Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Storm Phase: UNIT 4	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)
S12-4	Manhole	342456.579	396953.881	27.975	2.335	25.640	Circular	1.200
S04- 4	Manhole	342557.862	396943.134	27.886	2.185	25.701	Circular	1.200
S05- 4	Manhole	342558.182	396938.145	27.792	2.103	25.689	Circular	1.200
S07- 4	Manhole	342558.430	396934.267	27.633	2.289	25.344	Circular	1.200
S01- 4	Manhole	342551.540	397041.722	27.945	1.900	26.045	Circular	1.200
S02- 4	Manhole	342553.090	397017.578	27.946	1.960	25.986	Circular	1.200
S-19- 4	Manhole	342524.791	397015.773	26.950	0.600	26.350	Rectangular	
EX	Manhole	342558.874	396928.741	27.664	2.487	25.177	Circular	1.200
Full Retention oil Interceptor	Manhole	342548.012	396937.549	27.943	2.279	25.664	Circular	2.700
S14-4	Manhole	342447.900	397089.663	27.975	1.446	26.529	Circular	1.200
S03-4	Manhole	342555.275	396983.471	27.908	2.005	25.903	Circular	1.200
S13-4	Manhole	342452.029	397021.966	27.975	2.125	25.850	Circular	1.200
S15-4	Manhole	342480.485	397091.753	27.970	1.033	26.937	Circular	1.200
S16-4	Manhole	342487.893	396955.950	28.087	1.800	26.287	Circular	1.200

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Diameter (m)	Width (m)	Lock
S12-4			None
S04- 4			None
S05- 4			None
S07- 4			None
S01- 4			None
S02- 4			None
S-19- 4	0.600	0.600	None
EX			None
Full Retention oil Interceptor			None
S14-4			None
S03-4			None
S13-4			None
S15-4			None
S16-4			None

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

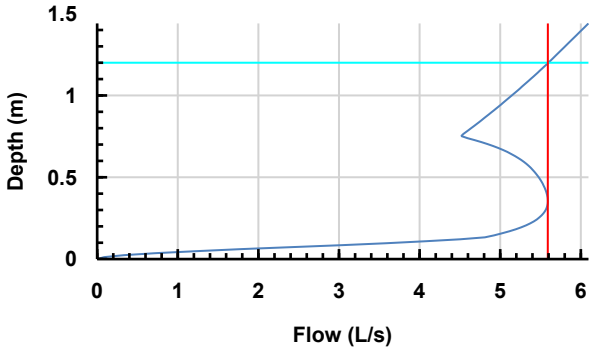
Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S12-4	Inlet (1)	Rear Footpath	(None)	No Restriction
	Inlet (2)	Sw-4.001-4	(None)	No Restriction
S04- 4	Inlet (2)	Car-Park Sw-1.003-4	(None)	No Restriction
S05- 4	Inlet	Sw-1.004- 4	(None)	No Restriction
	Inlet (1)	Access Road	(None)	No Restriction
S07- 4	Inlet (1)	Sw-1.007-4	(None)	No Restriction
S01- 4	Inlet	Loading Area 1	(None)	No Restriction
S02- 4	Inlet (1)	Sw-1.000- 4 Sw-5.000- 4	(None)	No Restriction
	Inlet (2)	Cycle Store	(None)	No Restriction
S-19- 4	Inlet (1)	Unit 4 Dock Levellers	(None)	No Restriction
EX	Inlet	Sw-1.008 - 4	(None)	No Restriction
Full Retention oil Interceptor	Inlet	Sw-1.005-4	(None)	No Restriction
S14-4	Inlet	Foot Path North	(None)	No Restriction
	Inlet (1)	Sw-4.003-4	(None)	No Restriction
S03-4	Inlet	Loading Area 2 Unit 4 Roof to S9	(None)	No Restriction
	Inlet (1)	Sw-1.002-4	(None)	No Restriction
S13-4	Inlet (2)	Sw-4,002-4	(None)	No Restriction
S15-4	Inlet	Unit 4 Roof S15	(None)	No Restriction
S16-4	Inlet (1)	Unit 4 Roof S16	(None)	No Restriction

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S12-4	Outlet	Sw-4.000-4	Free Discharge
S04- 4	Outlet	Sw-1.004- 4	Free Discharge
S05- 4	Outlet	Sw-1.005-4	Free Discharge
S07- 4	Outlet	Sw-1.008 - 4	Hydro-Brake®
	Invert Level (m)	25.344	
	Design Depth (m)	1.200	
	Design Flow (L/s)	5.6	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☑	
	Unit Reference	SHE-0108-5600-1200-5600	
S01- 4	Outlet	Sw-1.000- 4	Free Discharge
S02- 4	Outlet	Sw-1.002-4	Free Discharge
S-19- 4	Outlet	Sw-5.000- 4	Free Discharge
Full Retention oil Interceptor	Outlet	Sw-1.006-4	Free Discharge
S14-4	Outlet	Sw-4,002-4	Free Discharge
S03-4	Outlet	Sw-1.003-4	Free Discharge
S13-4	Outlet	Sw-4.001-4	Free Discharge
S15-4	Outlet	Sw-4.003-4	Free Discharge
S16-4	Outlet	Sw-5.000-4	Free Discharge



Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



Tank

Type : Tank

Dimensions

Exceedance Level (m)	27.850
Depth (m)	2.400
Base Level (m)	25.450
Freeboard (mm)	1
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	2039.889

Depth (m)	Area (m²)	Volume (m³)
0.000	1533.00	0.000
1.400	1533.00	2038.890

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Sw-1.006-4
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Sw-5.000-4
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (3)

Inlet Type	Point Inflow
Incoming Item(s)	Sw-4.000-4
Bypass Destination	(None)
Capacity Type	No Restriction

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Outlets

Outlet

Outgoing Connection	Sw-1.007-4
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	75.961

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Storm Phase: UNIT 4	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-1.006-4	10.066	Pipe	47.039		0.6	450	27.943	25.664
Sw-4.000-4	10.466	Pipe	55.083		0.6	375	27.975	25.640
Sw-1.004- 4	5.000	Pipe	416.634		0.6	450	27.886	25.701
Sw-1.005-4	10.187	Pipe	407.482		0.6	450	27.792	25.689
Sw-1.002-4	34.177	Pipe	411.767		0.6	450	27.946	25.986
Sw-1.000- 4	24.194	Pipe	410.069		0.6	450	27.945	26.045
Sw-1.007-4	20.810	Pipe	196.062		0.6	225	27.850	25.450
Sw-5.000- 4	28.356	Pipe	130.075		0.6	300	26.950	26.350
Sw-1.008 - 4	5.544	Pipe	33.224		0.6	225	27.633	25.344
Sw-1.003-4	40.420	Pipe	200.097		0.6	450	27.908	25.903
Sw-4,002-4	67.822	Pipe	100.000		0.6	375	27.975	26.529
Sw-4.001-4	68.238	Pipe	325.000		0.6	375	27.975	25.850
Sw-4.003-4	32.652	Pipe	79.945		0.6	375	27.970	26.937
Sw-5.000-4	6.600	Pipe	82.609		0.6	375	28.087	26.287

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Sw-1.006-4	27.850	25.450		All		(None)	(None)	0
Sw-4.000-4	27.850	25.450		All		(None)	(None)	0
Sw-1.004- 4	27.792	25.689		All		(None)	(None)	0
Sw-1.005-4	27.943	25.664		All		(None)	(None)	0
Sw-1.002-4	27.908	25.903		None		(None)	(None)	0
Sw-1.000- 4	27.946	25.986		All		(None)	(None)	0
Sw-1.007-4	27.633	25.344		All		(None)	(None)	0
Sw-5.000- 4	27.946	26.132		All		(None)	(None)	0
Sw-1.008 - 4	27.664	25.177		None	6.09	(None)	(None)	0
Sw-1.003-4	27.886	25.701		None		(None)	(None)	0
Sw-4,002-4	27.975	25.850		None		(None)	(None)	0
Sw-4.001-4	27.975	25.640		All		(None)	(None)	0
Sw-4.003-4	27.975	26.529		None		(None)	(None)	0
Sw-5.000-4	27.850	26.207		All		(None)	(None)	0

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Sw-1.006-4		0		
Sw-4.000-4		0		
Sw-1.004- 4		0		
Sw-1.005-4		0		
Sw-1.002-4		0		
Sw-1.000- 4		0		
Sw-1.007-4		0		
Sw-5.000- 4		0		
Sw-1.008 - 4		0		
Sw-1.003-4		0		
Sw-4,002-4		0		
Sw-4.001-4		0		
Sw-4.003-4		0		
Sw-5.000-4		0		

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Manhole Schedule Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S12-4	27.975 25.640	Diameter / Length: 1.200	{1} Sw-4.001-4	Pipe	25.640	Diam/Width:375	Manhole
E:342456.579 N:396953.881	2.335		{a} Sw-4.000-4	Pipe	25.640	Diam/Width:375	Not Applicable
S04- 4	27.886 25.701	Diameter / Length: 1.200	{1} Sw-1.003-4	Pipe	25.701	Diam/Width:450	Manhole
E:342557.862 N:396943.134	2.185		{a} Sw-1.004- 4	Pipe	25.701	Diam/Width:450	Not Applicable

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Manhole Schedule Storm Phase: UNIT 4	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
S05- 4	27.792 25.689	Diameter / Length: 1.200	{1} Sw-1.004- 4	Pipe	25.689	Diam/Width:450	Manhole
E:342558.182 N:396938.145	2.103		{a} Sw-1.005-4	Pipe	25.689	Diam/Width:450	Not Applicable
S07- 4	27.633 25.344	Diameter / Length: 1.200	{1} Sw-1.007-4	Pipe	25.344	Diam/Width:225	Manhole
E:342558.430 N:396934.267	2.289		{a} Sw-1.008 - 4	Pipe	25.344	Diam/Width:225	Not Applicable

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Manhole Schedule Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S01- 4	27.945 26.045	Diameter / Length: 1.200					Manhole
E:342551.540 N:397041.722	1.900		{a} Sw-1.000- 4	Pipe	26.045	Diam/Width:450	Not Applicable
S02- 4	27.946 25.986	Diameter / Length: 1.200	{1} Sw-1.000- 4 {2} Sw-5.000- 4	Pipe Pipe	25.986 26.132	Diam/Width:450 Diam/Width:300	Manhole
E:342553.090 N:397017.578	1.960		{a} Sw-1.002-4	Pipe	25.986	Diam/Width:450	Not Applicable

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Manhole Schedule Storm Phase: UNIT 4	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
S-19- 4	26.950 26.350	Diameter / Length: 0.600					Manhole
E:342524.791 N:397015.773	0.600	Width: 0.600	{a} Sw-5.000- 4	Pipe	26.350	Diam/Width:300	Not Applicable
EX	27.664 25.177	Diameter / Length: 1.200	{1} Sw-1.008 - 4	Pipe	25.177	Diam/Width:225	Manhole
E:342558.874 N:396928.741	2.487						Not Applicable

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Manhole Schedule Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
Full Retention oil Interceptor	27.943 25.664	Diameter / Length: 2.700	{1} Sw-1.005-4	Pipe	25.664	Diam/Width:450	Manhole
E:342548.012 N:396937.549	2.279		{a} Sw-1.006-4	Pipe	25.664	Diam/Width:450	Not Applicable
S14-4	27.975 26.529	Diameter / Length: 1.200	{1} Sw-4.003-4	Pipe	26.529	Diam/Width:375	Manhole
E:342447.900 N:397089.663	1.446		{a} Sw-4,002-4	Pipe	26.529	Diam/Width:375	Not Applicable

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Manhole Schedule Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S03-4	27.908 25.903	Diameter / Length: 1.200	{1} Sw-1.002-4	Pipe	25.903	Diam/Width:450	Manhole
E:342555.275 N:396983.471	2.005		{a} Sw-1.003-4	Pipe	25.903	Diam/Width:450	Not Applicable
S13-4	27.975 25.850	Diameter / Length: 1.200	{1} Sw-4,002-4	Pipe	25.850	Diam/Width:375	Manhole
E:342452.029 N:397021.966	2.125		{a} Sw-4.001-4	Pipe	25.850	Diam/Width:375	Not Applicable

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Manhole Schedule Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S15-4	27.970 26.937	Diameter / Length: 1.200					Manhole
E:342480.485 N:397091.753	1.033		{a} Sw-4.003-4	Pipe	26.937	Diam/Width:375	Not Applicable
S16-4	28.087 26.287	Diameter / Length: 1.200					Manhole
E:342487.893 N:396955.950	1.800		{a} Sw-5.000-4	Pipe	26.287	Diam/Width:375	Not Applicable

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflow Summary Storm Phase: UNIT 4	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	S05- 4		Time of Concentration	0.036	100	0	100	0.036
Car-Park	S04- 4		Time of Concentration	0.326	100	0	100	0.326
Cycle Store	S02- 4		Time of Concentration	0.044	100	0	100	0.044
Foot Path North	S14-4		Time of Concentration	0.012	100	0	100	0.012
Loading Area 1	S01- 4		Time of Concentration	0.242	100	0	100	0.242
Loading Area 2	S03-4		Time of Concentration	0.295	100	0	100	0.295
Rear Footpath	S12-4		Time of Concentration	0.032	100	0	100	0.032
Unit 4 Dock Levellers	S-19- 4		Time of Concentration	0.058	100	0	100	0.058
Unit 4 Roof S15	S15-4		Time of Concentration	0.235	100	0	100	0.235
Unit 4 Roof S16	S16-4		Time of Concentration	0.693	100	0	100	0.693
Unit 4 Roof to S9	S03-4		Time of Concentration	0.037	100	0	100	0.037
TOTAL		**0.0**		**2.009**				**2.009**

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Network Design Criteria Storm Phase: UNIT 4	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 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Network Design Criteria Storm Phase: UNIT 4	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 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Outfall Details Storm Phase: UNIT 4	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 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Title:	Company Address:		
Rainfall Analysis Criteria	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 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Rear Footpath: 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	6.2	2.682
FEH: 2 years: +0 %: 15 mins: Winter	0.03	5.8	2.685
FEH: 2 years: +0 %: 30 mins: Summer	0.03	4.0	3.444
FEH: 2 years: +0 %: 30 mins: Winter	0.03	3.7	3.438
FEH: 2 years: +0 %: 60 mins: Summer	0.03	3.4	4.272
FEH: 2 years: +0 %: 60 mins: Winter	0.03	2.8	4.272

FEH: 2 years: +0 %: 120 mins: Summer	0.03	2.6	5.514
FEH: 2 years: +0 %: 120 mins: Winter	0.03	1.9	5.514
FEH: 2 years: +0 %: 180 mins: Summer	0.03	2.1	6.336
FEH: 2 years: +0 %: 180 mins: Winter	0.03	1.5	6.336
FEH: 2 years: +0 %: 240 mins: Summer	0.03	1.8	6.954
FEH: 2 years: +0 %: 240 mins: Winter	0.03	1.2	6.936
FEH: 2 years: +0 %: 360 mins: Summer	0.03	1.4	7.908
FEH: 2 years: +0 %: 360 mins: Winter	0.03	0.9	7.878

FEH: 2 years: +0 %: 480 mins: Summer	0.03	1.2	8.622
FEH: 2 years: +0 %: 480 mins: Winter	0.03	0.8	8.622
FEH: 2 years: +0 %: 600 mins: Summer	0.03	1.0	9.222
FEH: 2 years: +0 %: 600 mins: Winter	0.03	0.6	9.240
FEH: 2 years: +0 %: 720 mins: Summer	0.03	0.9	9.768
FEH: 2 years: +0 %: 720 mins: Winter	0.03	0.6	9.750
FEH: 2 years: +0 %: 960 mins: Summer	0.03	0.7	10.608
FEH: 2 years: +0 %: 960 mins: Winter	0.03	0.5	10.602

FEH: 2 years: +0 %: 1440 mins: Summer	0.03	0.6	12.066
FEH: 2 years: +0 %: 1440 mins: Winter	0.03	0.3	11.970
FEH: 2 years: +0 %: 2160 mins: Summer	0.03	0.4	13.674
FEH: 2 years: +0 %: 2160 mins: Winter	0.03	0.3	13.788
FEH: 2 years: +0 %: 2880 mins: Summer	0.03	0.3	15.024
FEH: 2 years: +0 %: 2880 mins: Winter	0.03	0.2	15.036
FEH: 2 years: +0 %: 4320 mins: Summer	0.03	0.3	17.154
FEH: 2 years: +0 %: 4320 mins: Winter	0.03	0.2	17.160

FEH: 2 years: +0 %: 5760 mins: Summer	0.03	0.2	19.158
FEH: 2 years: +0 %: 5760 mins: Winter	0.03	0.1	19.008
FEH: 2 years: +0 %: 7200 mins: Summer	0.03	0.2	21.078
FEH: 2 years: +0 %: 7200 mins: Winter	0.03	0.1	20.808
FEH: 2 years: +0 %: 8640 mins: Summer	0.03	0.2	22.710
FEH: 2 years: +0 %: 8640 mins: Winter	0.03	0.1	22.704
FEH: 2 years: +0 %: 10080 mins: Summer	0.03	0.2	23.964
FEH: 2 years: +0 %: 10080 mins: Winter	0.03	0.1	24.660

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Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Loading Area 1: 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	0.24	47.2	20.490
FEH: 2 years: +0 %: 15 mins: Winter	0.24	44.3	20.487
FEH: 2 years: +0 %: 30 mins: Summer	0.24	30.3	26.268
FEH: 2 years: +0 %: 30 mins: Winter	0.24	28.5	26.274
FEH: 2 years: +0 %: 60 mins: Summer	0.24	26.1	32.598
FEH: 2 years: +0 %: 60 mins: Winter	0.24	21.0	32.586

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 2 years: +0 %: 120 mins: Summer	0.24	20.0	42.084
FEH: 2 years: +0 %: 120 mins: Winter	0.24	14.4	42.078
FEH: 2 years: +0 %: 180 mins: Summer	0.24	16.2	48.306
FEH: 2 years: +0 %: 180 mins: Winter	0.24	11.1	48.300
FEH: 2 years: +0 %: 240 mins: Summer	0.24	13.8	53.046
FEH: 2 years: +0 %: 240 mins: Winter	0.24	9.2	53.046
FEH: 2 years: +0 %: 360 mins: Summer	0.24	10.7	60.258
FEH: 2 years: +0 %: 360 mins: Winter	0.24	7.0	60.270

FEH: 2 years: +0 %: 480 mins: Summer	0.24	8.9	65.880
FEH: 2 years: +0 %: 480 mins: Winter	0.24	5.8	65.892
FEH: 2 years: +0 %: 600 mins: Summer	0.24	7.7	70.527
FEH: 2 years: +0 %: 600 mins: Winter	0.24	4.9	70.500
FEH: 2 years: +0 %: 720 mins: Summer	0.24	6.8	74.532
FEH: 2 years: +0 %: 720 mins: Winter	0.24	4.4	74.538
FEH: 2 years: +0 %: 960 mins: Summer	0.24	5.5	81.234
FEH: 2 years: +0 %: 960 mins: Winter	0.24	3.6	81.258

FEH: 2 years: +0 %: 1440 mins: Summer	0.24	4.2	91.890
FEH: 2 years: +0 %: 1440 mins: Winter	0.24	2.7	91.914
FEH: 2 years: +0 %: 2160 mins: Summer	0.24	3.2	104.232
FEH: 2 years: +0 %: 2160 mins: Winter	0.24	2.0	104.280
FEH: 2 years: +0 %: 2880 mins: Summer	0.24	2.6	114.162
FEH: 2 years: +0 %: 2880 mins: Winter	0.24	1.7	114.174
FEH: 2 years: +0 %: 4320 mins: Summer	0.24	2.0	131.214
FEH: 2 years: +0 %: 4320 mins: Winter	0.24	1.3	131.418

FEH: 2 years: +0 %: 5760 mins: Summer	0.24	1.7	146.322
FEH: 2 years: +0 %: 5760 mins: Winter	0.24	1.1	146.436
FEH: 2 years: +0 %: 7200 mins: Summer	0.24	1.4	160.080
FEH: 2 years: +0 %: 7200 mins: Winter	0.24	0.9	159.936
FEH: 2 years: +0 %: 8640 mins: Summer	0.24	1.3	172.758
FEH: 2 years: +0 %: 8640 mins: Winter	0.24	0.8	172.848
FEH: 2 years: +0 %: 10080 mins: Summer	0.24	1.2	186.012
FEH: 2 years: +0 %: 10080 mins: Winter	0.24	0.8	185.922

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FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 4 Dock Levellers: 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	0.06	11.3	4.899
FEH: 2 years: +0 %: 15 mins: Winter	0.06	10.6	4.902
FEH: 2 years: +0 %: 30 mins: Summer	0.06	7.3	6.282
FEH: 2 years: +0 %: 30 mins: Winter	0.06	6.8	6.288
FEH: 2 years: +0 %: 60 mins: Summer	0.06	6.2	7.800
FEH: 2 years: +0 %: 60 mins: Winter	0.06	5.0	7.800

FEH: 2 years: +0 %: 120 mins: Summer	0.06	4.8	10.062
FEH: 2 years: +0 %: 120 mins: Winter	0.06	3.4	10.068
FEH: 2 years: +0 %: 180 mins: Summer	0.06	3.9	11.556
FEH: 2 years: +0 %: 180 mins: Winter	0.06	2.7	11.544
FEH: 2 years: +0 %: 240 mins: Summer	0.06	3.3	12.690
FEH: 2 years: +0 %: 240 mins: Winter	0.06	2.2	12.678
FEH: 2 years: +0 %: 360 mins: Summer	0.06	2.6	14.424
FEH: 2 years: +0 %: 360 mins: Winter	0.06	1.7	14.442

FEH: 2 years: +0 %: 480 mins: Summer	0.06	2.1	15.768
FEH: 2 years: +0 %: 480 mins: Winter	0.06	1.4	15.750
FEH: 2 years: +0 %: 600 mins: Summer	0.06	1.8	16.854
FEH: 2 years: +0 %: 600 mins: Winter	0.06	1.2	16.890
FEH: 2 years: +0 %: 720 mins: Summer	0.06	1.6	17.814
FEH: 2 years: +0 %: 720 mins: Winter	0.06	1.0	17.820
FEH: 2 years: +0 %: 960 mins: Summer	0.06	1.3	19.410
FEH: 2 years: +0 %: 960 mins: Winter	0.06	0.9	19.428

FEH: 2 years: +0 %: 1440 mins: Summer	0.06	1.0	21.948
FEH: 2 years: +0 %: 1440 mins: Winter	0.06	0.6	21.918
FEH: 2 years: +0 %: 2160 mins: Summer	0.06	0.8	24.912
FEH: 2 years: +0 %: 2160 mins: Winter	0.06	0.5	24.984
FEH: 2 years: +0 %: 2880 mins: Summer	0.06	0.6	27.348
FEH: 2 years: +0 %: 2880 mins: Winter	0.06	0.4	27.294
FEH: 2 years: +0 %: 4320 mins: Summer	0.06	0.5	31.266
FEH: 2 years: +0 %: 4320 mins: Winter	0.06	0.3	31.356

FEH: 2 years: +0 %: 5760 mins: Summer	0.06	0.4	34.782
FEH: 2 years: +0 %: 5760 mins: Winter	0.06	0.3	35.040
FEH: 2 years: +0 %: 7200 mins: Summer	0.06	0.3	38.184
FEH: 2 years: +0 %: 7200 mins: Winter	0.06	0.2	38.190
FEH: 2 years: +0 %: 8640 mins: Summer	0.06	0.3	41.670
FEH: 2 years: +0 %: 8640 mins: Winter	0.06	0.2	42.060
FEH: 2 years: +0 %: 10080 mins: Summer	0.06	0.3	44.280
FEH: 2 years: +0 %: 10080 mins: Winter	0.06	0.2	44.028

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FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Loading Area 2: 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	0.30	57.6	24.990
FEH: 2 years: +0 %: 15 mins: Winter	0.30	54.0	24.993
FEH: 2 years: +0 %: 30 mins: Summer	0.30	37.0	32.046
FEH: 2 years: +0 %: 30 mins: Winter	0.30	34.7	32.052
FEH: 2 years: +0 %: 60 mins: Summer	0.30	31.8	39.762
FEH: 2 years: +0 %: 60 mins: Winter	0.30	25.6	39.768

FEH: 2 years: +0 %: 120 mins: Summer	0.30	24.4	51.330
FEH: 2 years: +0 %: 120 mins: Winter	0.30	17.5	51.348
FEH: 2 years: +0 %: 180 mins: Summer	0.30	19.7	58.926
FEH: 2 years: +0 %: 180 mins: Winter	0.30	13.6	58.920
FEH: 2 years: +0 %: 240 mins: Summer	0.30	16.8	64.728
FEH: 2 years: +0 %: 240 mins: Winter	0.30	11.3	64.716
FEH: 2 years: +0 %: 360 mins: Summer	0.30	13.0	73.512
FEH: 2 years: +0 %: 360 mins: Winter	0.30	8.6	73.542

FEH: 2 years: +0 %: 480 mins: Summer	0.30	10.9	80.346
FEH: 2 years: +0 %: 480 mins: Winter	0.30	7.1	80.352
FEH: 2 years: +0 %: 600 mins: Summer	0.30	9.4	86.046
FEH: 2 years: +0 %: 600 mins: Winter	0.30	6.0	86.022
FEH: 2 years: +0 %: 720 mins: Summer	0.30	8.3	90.936
FEH: 2 years: +0 %: 720 mins: Winter	0.30	5.3	90.960
FEH: 2 years: +0 %: 960 mins: Summer	0.30	6.8	99.132
FEH: 2 years: +0 %: 960 mins: Winter	0.30	4.3	99.144

FEH: 2 years: +0 %: 1440 mins: Summer	0.30	5.1	112.128
FEH: 2 years: +0 %: 1440 mins: Winter	0.30	3.3	112.212
FEH: 2 years: +0 %: 2160 mins: Summer	0.30	3.8	127.020
FEH: 2 years: +0 %: 2160 mins: Winter	0.30	2.5	127.206
FEH: 2 years: +0 %: 2880 mins: Summer	0.30	3.2	139.506
FEH: 2 years: +0 %: 2880 mins: Winter	0.30	2.0	139.446
FEH: 2 years: +0 %: 4320 mins: Summer	0.30	2.4	160.194
FEH: 2 years: +0 %: 4320 mins: Winter	0.30	1.6	160.248

FEH: 2 years: +0 %: 5760 mins: Summer	0.30	2.0	178.416
FEH: 2 years: +0 %: 5760 mins: Winter	0.30	1.3	178.392
FEH: 2 years: +0 %: 7200 mins: Summer	0.30	1.8	195.246
FEH: 2 years: +0 %: 7200 mins: Winter	0.30	1.1	194.988
FEH: 2 years: +0 %: 8640 mins: Summer	0.30	1.6	211.302
FEH: 2 years: +0 %: 8640 mins: Winter	0.30	1.0	210.612
FEH: 2 years: +0 %: 10080 mins: Summer	0.30	1.5	226.086
FEH: 2 years: +0 %: 10080 mins: Winter	0.30	0.9	226.686

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FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Cycle Store: 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	0.04	8.5	3.705
FEH: 2 years: +0 %: 15 mins: Winter	0.04	8.0	3.705
FEH: 2 years: +0 %: 30 mins: Summer	0.04	5.5	4.746
FEH: 2 years: +0 %: 30 mins: Winter	0.04	5.2	4.752
FEH: 2 years: +0 %: 60 mins: Summer	0.04	4.7	5.898
FEH: 2 years: +0 %: 60 mins: Winter	0.04	3.8	5.892

FEH: 2 years: +0 %: 120 mins: Summer	0.04	3.6	7.614
FEH: 2 years: +0 %: 120 mins: Winter	0.04	2.6	7.614
FEH: 2 years: +0 %: 180 mins: Summer	0.04	2.9	8.742
FEH: 2 years: +0 %: 180 mins: Winter	0.04	2.0	8.724
FEH: 2 years: +0 %: 240 mins: Summer	0.04	2.5	9.588
FEH: 2 years: +0 %: 240 mins: Winter	0.04	1.7	9.588
FEH: 2 years: +0 %: 360 mins: Summer	0.04	1.9	10.896
FEH: 2 years: +0 %: 360 mins: Winter	0.04	1.3	10.872

FEH: 2 years: +0 %: 480 mins: Summer	0.04	1.6	11.898
FEH: 2 years: +0 %: 480 mins: Winter	0.04	1.0	11.892
FEH: 2 years: +0 %: 600 mins: Summer	0.04	1.4	12.738
FEH: 2 years: +0 %: 600 mins: Winter	0.04	0.9	12.756
FEH: 2 years: +0 %: 720 mins: Summer	0.04	1.2	13.464
FEH: 2 years: +0 %: 720 mins: Winter	0.04	0.8	13.470
FEH: 2 years: +0 %: 960 mins: Summer	0.04	1.0	14.670
FEH: 2 years: +0 %: 960 mins: Winter	0.04	0.6	14.640

FEH: 2 years: +0 %: 1440 mins: Summer	0.04	0.8	16.620
FEH: 2 years: +0 %: 1440 mins: Winter	0.04	0.5	16.668
FEH: 2 years: +0 %: 2160 mins: Summer	0.04	0.6	18.822
FEH: 2 years: +0 %: 2160 mins: Winter	0.04	0.4	18.750
FEH: 2 years: +0 %: 2880 mins: Summer	0.04	0.5	20.640
FEH: 2 years: +0 %: 2880 mins: Winter	0.04	0.3	20.580
FEH: 2 years: +0 %: 4320 mins: Summer	0.04	0.4	23.604
FEH: 2 years: +0 %: 4320 mins: Winter	0.04	0.2	23.604

FEH: 2 years: +0 %: 5760 mins: Summer	0.04	0.3	26.478
FEH: 2 years: +0 %: 5760 mins: Winter	0.04	0.2	26.256
FEH: 2 years: +0 %: 7200 mins: Summer	0.04	0.3	28.698
FEH: 2 years: +0 %: 7200 mins: Winter	0.04	0.2	28.878
FEH: 2 years: +0 %: 8640 mins: Summer	0.04	0.2	31.224
FEH: 2 years: +0 %: 8640 mins: Winter	0.04	0.2	31.620
FEH: 2 years: +0 %: 10080 mins: Summer	0.04	0.2	33.510
FEH: 2 years: +0 %: 10080 mins: Winter	0.04	0.1	33.264

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Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: 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	0.33	63.6	27.636
FEH: 2 years: +0 %: 15 mins: Winter	0.33	59.7	27.633
FEH: 2 years: +0 %: 30 mins: Summer	0.33	40.9	35.436
FEH: 2 years: +0 %: 30 mins: Winter	0.33	38.4	35.436
FEH: 2 years: +0 %: 60 mins: Summer	0.33	35.2	43.962
FEH: 2 years: +0 %: 60 mins: Winter	0.33	28.3	43.962

FEH: 2 years: +0 %: 120 mins: Summer	0.33	26.9	56.760
FEH: 2 years: +0 %: 120 mins: Winter	0.33	19.4	56.766
FEH: 2 years: +0 %: 180 mins: Summer	0.33	21.8	65.142
FEH: 2 years: +0 %: 180 mins: Winter	0.33	15.0	65.154
FEH: 2 years: +0 %: 240 mins: Summer	0.33	18.5	71.556
FEH: 2 years: +0 %: 240 mins: Winter	0.33	12.5	71.562
FEH: 2 years: +0 %: 360 mins: Summer	0.33	14.4	81.282
FEH: 2 years: +0 %: 360 mins: Winter	0.33	9.5	81.288

FEH: 2 years: +0 %: 480 mins: Summer	0.33	12.1	88.860
FEH: 2 years: +0 %: 480 mins: Winter	0.33	7.8	88.860
FEH: 2 years: +0 %: 600 mins: Summer	0.33	10.4	95.130
FEH: 2 years: +0 %: 600 mins: Winter	0.33	6.7	95.124
FEH: 2 years: +0 %: 720 mins: Summer	0.33	9.1	100.542
FEH: 2 years: +0 %: 720 mins: Winter	0.33	5.9	100.530
FEH: 2 years: +0 %: 960 mins: Summer	0.33	7.5	109.590
FEH: 2 years: +0 %: 960 mins: Winter	0.33	4.8	109.632

FEH: 2 years: +0 %: 1440 mins: Summer	0.33	5.6	124.050
FEH: 2 years: +0 %: 1440 mins: Winter	0.33	3.6	123.990
FEH: 2 years: +0 %: 2160 mins: Summer	0.33	4.3	140.526
FEH: 2 years: +0 %: 2160 mins: Winter	0.33	2.7	140.520
FEH: 2 years: +0 %: 2880 mins: Summer	0.33	3.5	154.146
FEH: 2 years: +0 %: 2880 mins: Winter	0.33	2.3	154.254
FEH: 2 years: +0 %: 4320 mins: Summer	0.33	2.7	177.198
FEH: 2 years: +0 %: 4320 mins: Winter	0.33	1.7	177.024

FEH: 2 years: +0 %: 5760 mins: Summer	0.33	2.2	197.334
FEH: 2 years: +0 %: 5760 mins: Winter	0.33	1.4	197.064
FEH: 2 years: +0 %: 7200 mins: Summer	0.33	2.0	215.334
FEH: 2 years: +0 %: 7200 mins: Winter	0.33	1.3	215.820
FEH: 2 years: +0 %: 8640 mins: Summer	0.33	1.8	233.478
FEH: 2 years: +0 %: 8640 mins: Winter	0.33	1.1	233.304
FEH: 2 years: +0 %: 10080 mins: Summer	0.33	1.6	250.038
FEH: 2 years: +0 %: 10080 mins: Winter	0.33	1.0	249.936

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Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: 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	0.04	7.0	3.045
FEH: 2 years: +0 %: 15 mins: Winter	0.04	6.6	3.045
FEH: 2 years: +0 %: 30 mins: Summer	0.04	4.5	3.900
FEH: 2 years: +0 %: 30 mins: Winter	0.04	4.2	3.906
FEH: 2 years: +0 %: 60 mins: Summer	0.04	3.9	4.836
FEH: 2 years: +0 %: 60 mins: Winter	0.04	3.1	4.848

FEH: 2 years: +0 %: 120 mins: Summer	0.04	3.0	6.246
FEH: 2 years: +0 %: 120 mins: Winter	0.04	2.1	6.246
FEH: 2 years: +0 %: 180 mins: Summer	0.04	2.4	7.182
FEH: 2 years: +0 %: 180 mins: Winter	0.04	1.7	7.176
FEH: 2 years: +0 %: 240 mins: Summer	0.04	2.0	7.884
FEH: 2 years: +0 %: 240 mins: Winter	0.04	1.4	7.866
FEH: 2 years: +0 %: 360 mins: Summer	0.04	1.6	8.958
FEH: 2 years: +0 %: 360 mins: Winter	0.04	1.0	8.940

FEH: 2 years: +0 %: 480 mins: Summer	0.04	1.3	9.774
FEH: 2 years: +0 %: 480 mins: Winter	0.04	0.9	9.780
FEH: 2 years: +0 %: 600 mins: Summer	0.04	1.1	10.476
FEH: 2 years: +0 %: 600 mins: Winter	0.04	0.7	10.482
FEH: 2 years: +0 %: 720 mins: Summer	0.04	1.0	11.058
FEH: 2 years: +0 %: 720 mins: Winter	0.04	0.6	11.058
FEH: 2 years: +0 %: 960 mins: Summer	0.04	0.8	12.078
FEH: 2 years: +0 %: 960 mins: Winter	0.04	0.5	12.066

FEH: 2 years: +0 %: 1440 mins: Summer	0.04	0.6	13.626
FEH: 2 years: +0 %: 1440 mins: Winter	0.04	0.4	13.632
FEH: 2 years: +0 %: 2160 mins: Summer	0.04	0.5	15.456
FEH: 2 years: +0 %: 2160 mins: Winter	0.04	0.3	15.390
FEH: 2 years: +0 %: 2880 mins: Summer	0.04	0.4	16.962
FEH: 2 years: +0 %: 2880 mins: Winter	0.04	0.3	16.902
FEH: 2 years: +0 %: 4320 mins: Summer	0.04	0.3	19.548
FEH: 2 years: +0 %: 4320 mins: Winter	0.04	0.2	19.338

FEH: 2 years: +0 %: 5760 mins: Summer	0.04	0.3	21.750
FEH: 2 years: +0 %: 5760 mins: Winter	0.04	0.2	21.906
FEH: 2 years: +0 %: 7200 mins: Summer	0.04	0.2	23.754
FEH: 2 years: +0 %: 7200 mins: Winter	0.04	0.1	23.424
FEH: 2 years: +0 %: 8640 mins: Summer	0.04	0.2	25.920
FEH: 2 years: +0 %: 8640 mins: Winter	0.04	0.1	25.416
FEH: 2 years: +0 %: 10080 mins: Summer	0.04	0.2	28.056
FEH: 2 years: +0 %: 10080 mins: Winter	0.04	0.1	27.462

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Foot Path North: 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	2.4	1.047
FEH: 2 years: +0 %: 15 mins: Winter	0.01	2.3	1.044
FEH: 2 years: +0 %: 30 mins: Summer	0.01	1.6	1.344
FEH: 2 years: +0 %: 30 mins: Winter	0.01	1.4	1.344
FEH: 2 years: +0 %: 60 mins: Summer	0.01	1.3	1.668
FEH: 2 years: +0 %: 60 mins: Winter	0.01	1.1	1.656

FEH: 2 years: +0 %: 120 mins: Summer	0.01	1.0	2.142
FEH: 2 years: +0 %: 120 mins: Winter	0.01	0.7	2.136
FEH: 2 years: +0 %: 180 mins: Summer	0.01	0.8	2.466
FEH: 2 years: +0 %: 180 mins: Winter	0.01	0.6	2.454
FEH: 2 years: +0 %: 240 mins: Summer	0.01	0.7	2.706
FEH: 2 years: +0 %: 240 mins: Winter	0.01	0.5	2.724
FEH: 2 years: +0 %: 360 mins: Summer	0.01	0.5	3.060
FEH: 2 years: +0 %: 360 mins: Winter	0.01	0.4	3.054

FEH: 2 years: +0 %: 480 mins: Summer	0.01	0.5	3.366
FEH: 2 years: +0 %: 480 mins: Winter	0.01	0.3	3.348
FEH: 2 years: +0 %: 600 mins: Summer	0.01	0.4	3.588
FEH: 2 years: +0 %: 600 mins: Winter	0.01	0.3	3.570
FEH: 2 years: +0 %: 720 mins: Summer	0.01	0.3	3.780
FEH: 2 years: +0 %: 720 mins: Winter	0.01	0.2	3.804
FEH: 2 years: +0 %: 960 mins: Summer	0.01	0.3	4.164
FEH: 2 years: +0 %: 960 mins: Winter	0.01	0.2	4.122

FEH: 2 years: +0 %: 1440 mins: Summer	0.01	0.2	4.662
FEH: 2 years: +0 %: 1440 mins: Winter	0.01	0.1	4.650
FEH: 2 years: +0 %: 2160 mins: Summer	0.01	0.2	5.304
FEH: 2 years: +0 %: 2160 mins: Winter	0.01	0.1	5.334
FEH: 2 years: +0 %: 2880 mins: Summer	0.01	0.1	5.706
FEH: 2 years: +0 %: 2880 mins: Winter	0.01	0.1	5.880
FEH: 2 years: +0 %: 4320 mins: Summer	0.01	0.1	6.594
FEH: 2 years: +0 %: 4320 mins: Winter	0.01	0.1	6.576

FEH: 2 years: +0 %: 5760 mins: Summer	0.01	0.1	7.542
FEH: 2 years: +0 %: 5760 mins: Winter	0.01	0.0	7.398
FEH: 2 years: +0 %: 7200 mins: Summer	0.01	0.1	8.634
FEH: 2 years: +0 %: 7200 mins: Winter	0.01	0.0	8.460
FEH: 2 years: +0 %: 8640 mins: Summer	0.01	0.1	9.738
FEH: 2 years: +0 %: 8640 mins: Winter	0.01	0.0	9.222
FEH: 2 years: +0 %: 10080 mins: Summer	0.01	0.1	10.644
FEH: 2 years: +0 %: 10080 mins: Winter	0.01	0.0	10.038

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 4 Roof to S9: 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	0.04	7.2	3.117
FEH: 2 years: +0 %: 15 mins: Winter	0.04	6.7	3.117
FEH: 2 years: +0 %: 30 mins: Summer	0.04	4.6	3.996
FEH: 2 years: +0 %: 30 mins: Winter	0.04	4.3	3.996
FEH: 2 years: +0 %: 60 mins: Summer	0.04	4.0	4.962
FEH: 2 years: +0 %: 60 mins: Winter	0.04	3.2	4.962

FEH: 2 years: +0 %: 120 mins: Summer	0.04	3.0	6.396
FEH: 2 years: +0 %: 120 mins: Winter	0.04	2.2	6.402
FEH: 2 years: +0 %: 180 mins: Summer	0.04	2.5	7.344
FEH: 2 years: +0 %: 180 mins: Winter	0.04	1.7	7.350
FEH: 2 years: +0 %: 240 mins: Summer	0.04	2.1	8.070
FEH: 2 years: +0 %: 240 mins: Winter	0.04	1.4	8.076
FEH: 2 years: +0 %: 360 mins: Summer	0.04	1.6	9.168
FEH: 2 years: +0 %: 360 mins: Winter	0.04	1.1	9.162

FEH: 2 years: +0 %: 480 mins: Summer	0.04	1.4	10.026
FEH: 2 years: +0 %: 480 mins: Winter	0.04	0.9	10.032
FEH: 2 years: +0 %: 600 mins: Summer	0.04	1.2	10.716
FEH: 2 years: +0 %: 600 mins: Winter	0.04	0.8	10.710
FEH: 2 years: +0 %: 720 mins: Summer	0.04	1.0	11.340
FEH: 2 years: +0 %: 720 mins: Winter	0.04	0.7	11.346
FEH: 2 years: +0 %: 960 mins: Summer	0.04	0.8	12.384
FEH: 2 years: +0 %: 960 mins: Winter	0.04	0.5	12.366

FEH: 2 years: +0 %: 1440 mins: Summer	0.04	0.6	14.004
FEH: 2 years: +0 %: 1440 mins: Winter	0.04	0.4	13.938
FEH: 2 years: +0 %: 2160 mins: Summer	0.04	0.5	15.864
FEH: 2 years: +0 %: 2160 mins: Winter	0.04	0.3	15.804
FEH: 2 years: +0 %: 2880 mins: Summer	0.04	0.4	17.364
FEH: 2 years: +0 %: 2880 mins: Winter	0.04	0.3	17.322
FEH: 2 years: +0 %: 4320 mins: Summer	0.04	0.3	19.974
FEH: 2 years: +0 %: 4320 mins: Winter	0.04	0.2	19.704

FEH: 2 years: +0 %: 5760 mins: Summer	0.04	0.3	22.050
FEH: 2 years: +0 %: 5760 mins: Winter	0.04	0.2	22.278
FEH: 2 years: +0 %: 7200 mins: Summer	0.04	0.2	24.366
FEH: 2 years: +0 %: 7200 mins: Winter	0.04	0.1	24.546
FEH: 2 years: +0 %: 8640 mins: Summer	0.04	0.2	26.736
FEH: 2 years: +0 %: 8640 mins: Winter	0.04	0.1	26.220
FEH: 2 years: +0 %: 10080 mins: Summer	0.04	0.2	28.794
FEH: 2 years: +0 %: 10080 mins: Winter	0.04	0.1	28.062

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 4 Roof S16: 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	0.69	135.1	58.677
FEH: 2 years: +0 %: 15 mins: Winter	0.69	126.8	58.680
FEH: 2 years: +0 %: 30 mins: Summer	0.69	86.9	75.246
FEH: 2 years: +0 %: 30 mins: Winter	0.69	81.5	75.246
FEH: 2 years: +0 %: 60 mins: Summer	0.69	74.7	93.354
FEH: 2 years: +0 %: 60 mins: Winter	0.69	60.1	93.354

FEH: 2 years: +0 %: 120 mins: Summer	0.69	57.2	120.546
FEH: 2 years: +0 %: 120 mins: Winter	0.69	41.2	120.534
FEH: 2 years: +0 %: 180 mins: Summer	0.69	46.3	138.348
FEH: 2 years: +0 %: 180 mins: Winter	0.69	31.9	138.348
FEH: 2 years: +0 %: 240 mins: Summer	0.69	39.4	151.938
FEH: 2 years: +0 %: 240 mins: Winter	0.69	26.5	151.956
FEH: 2 years: +0 %: 360 mins: Summer	0.69	30.6	172.602
FEH: 2 years: +0 %: 360 mins: Winter	0.69	20.1	172.596

FEH: 2 years: +0 %: 480 mins: Summer	0.69	25.6	188.676
FEH: 2 years: +0 %: 480 mins: Winter	0.69	16.6	188.670
FEH: 2 years: +0 %: 600 mins: Summer	0.69	22.0	202.014
FEH: 2 years: +0 %: 600 mins: Winter	0.69	14.2	202.014
FEH: 2 years: +0 %: 720 mins: Summer	0.69	19.4	213.504
FEH: 2 years: +0 %: 720 mins: Winter	0.69	12.5	213.474
FEH: 2 years: +0 %: 960 mins: Summer	0.69	15.8	232.698
FEH: 2 years: +0 %: 960 mins: Winter	0.69	10.2	232.746

FEH: 2 years: +0 %: 1440 mins: Summer	0.69	11.9	263.352
FEH: 2 years: +0 %: 1440 mins: Winter	0.69	7.7	263.334
FEH: 2 years: +0 %: 2160 mins: Summer	0.69	9.0	298.476
FEH: 2 years: +0 %: 2160 mins: Winter	0.69	5.8	298.470
FEH: 2 years: +0 %: 2880 mins: Summer	0.69	7.4	327.348
FEH: 2 years: +0 %: 2880 mins: Winter	0.69	4.8	327.240
FEH: 2 years: +0 %: 4320 mins: Summer	0.69	5.7	376.356
FEH: 2 years: +0 %: 4320 mins: Winter	0.69	3.7	376.320

FEH: 2 years: +0 %: 5760 mins: Summer	0.69	4.8	418.674
FEH: 2 years: +0 %: 5760 mins: Winter	0.69	3.1	418.998
FEH: 2 years: +0 %: 7200 mins: Summer	0.69	4.2	458.112
FEH: 2 years: +0 %: 7200 mins: Winter	0.69	2.7	458.094
FEH: 2 years: +0 %: 8640 mins: Summer	0.69	3.8	495.678
FEH: 2 years: +0 %: 8640 mins: Winter	0.69	2.4	496.098
FEH: 2 years: +0 %: 10080 mins: Summer	0.69	3.5	531.960
FEH: 2 years: +0 %: 10080 mins: Winter	0.69	2.2	531.612

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Unit 4 Roof S15: 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	0.23	45.8	19.884
FEH: 2 years: +0 %: 15 mins: Winter	0.23	43.0	19.884
FEH: 2 years: +0 %: 30 mins: Summer	0.23	29.4	25.494
FEH: 2 years: +0 %: 30 mins: Winter	0.23	27.6	25.494
FEH: 2 years: +0 %: 60 mins: Summer	0.23	25.3	31.626
FEH: 2 years: +0 %: 60 mins: Winter	0.23	20.4	31.632

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 120 mins: Summer	0.23	19.4	40.836
FEH: 2 years: +0 %: 120 mins: Winter	0.23	13.9	40.848
FEH: 2 years: +0 %: 180 mins: Summer	0.23	15.7	46.881
FEH: 2 years: +0 %: 180 mins: Winter	0.23	10.8	46.866
FEH: 2 years: +0 %: 240 mins: Summer	0.23	13.3	51.486
FEH: 2 years: +0 %: 240 mins: Winter	0.23	9.0	51.486
FEH: 2 years: +0 %: 360 mins: Summer	0.23	10.4	58.494
FEH: 2 years: +0 %: 360 mins: Winter	0.23	6.8	58.494

FEH: 2 years: +0 %: 480 mins: Summer	0.23	8.7	63.942
FEH: 2 years: +0 %: 480 mins: Winter	0.23	5.6	63.936
FEH: 2 years: +0 %: 600 mins: Summer	0.23	7.4	68.466
FEH: 2 years: +0 %: 600 mins: Winter	0.23	4.8	68.454
FEH: 2 years: +0 %: 720 mins: Summer	0.23	6.6	72.342
FEH: 2 years: +0 %: 720 mins: Winter	0.23	4.2	72.348
FEH: 2 years: +0 %: 960 mins: Summer	0.23	5.4	78.894
FEH: 2 years: +0 %: 960 mins: Winter	0.23	3.5	78.870

FEH: 2 years: +0 %: 1440 mins: Summer	0.23	4.1	89.208
FEH: 2 years: +0 %: 1440 mins: Winter	0.23	2.6	89.196
FEH: 2 years: +0 %: 2160 mins: Summer	0.23	3.1	101.172
FEH: 2 years: +0 %: 2160 mins: Winter	0.23	2.0	101.148
FEH: 2 years: +0 %: 2880 mins: Summer	0.23	2.5	111.012
FEH: 2 years: +0 %: 2880 mins: Winter	0.23	1.6	110.970
FEH: 2 years: +0 %: 4320 mins: Summer	0.23	1.9	127.614
FEH: 2 years: +0 %: 4320 mins: Winter	0.23	1.2	127.476

FEH: 2 years: +0 %: 5760 mins: Summer	0.23	1.6	141.846
FEH: 2 years: +0 %: 5760 mins: Winter	0.23	1.0	141.708
FEH: 2 years: +0 %: 7200 mins: Summer	0.23	1.4	155.508
FEH: 2 years: +0 %: 7200 mins: Winter	0.23	0.9	155.256
FEH: 2 years: +0 %: 8640 mins: Summer	0.23	1.3	167.946
FEH: 2 years: +0 %: 8640 mins: Winter	0.23	0.8	167.544
FEH: 2 years: +0 %: 10080 mins: Summer	0.23	1.2	180.102
FEH: 2 years: +0 %: 10080 mins: Winter	0.23	0.8	179.748

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Rear Footpath: 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	12.3	5.364
FEH: 30 years: +0 %: 15 mins: Winter	0.03	11.6	5.364
FEH: 30 years: +0 %: 30 mins: Summer	0.03	8.1	6.996
FEH: 30 years: +0 %: 30 mins: Winter	0.03	7.6	6.996
FEH: 30 years: +0 %: 60 mins: Summer	0.03	7.0	8.754
FEH: 30 years: +0 %: 60 mins: Winter	0.03	5.6	8.760

FEH: 30 years: +0 %: 120 mins: Summer	0.03	4.9	10.278
FEH: 30 years: +0 %: 120 mins: Winter	0.03	3.5	10.284
FEH: 30 years: +0 %: 180 mins: Summer	0.03	3.8	11.310
FEH: 30 years: +0 %: 180 mins: Winter	0.03	2.6	11.322
FEH: 30 years: +0 %: 240 mins: Summer	0.03	3.1	12.108
FEH: 30 years: +0 %: 240 mins: Winter	0.03	2.1	12.102
FEH: 30 years: +0 %: 360 mins: Summer	0.03	2.4	13.332
FEH: 30 years: +0 %: 360 mins: Winter	0.03	1.6	13.326

FEH: 30 years: +0 %: 480 mins: Summer	0.03	1.9	14.280
FEH: 30 years: +0 %: 480 mins: Winter	0.03	1.3	14.268
FEH: 30 years: +0 %: 600 mins: Summer	0.03	1.6	15.072
FEH: 30 years: +0 %: 600 mins: Winter	0.03	1.1	15.096
FEH: 30 years: +0 %: 720 mins: Summer	0.03	1.4	15.792
FEH: 30 years: +0 %: 720 mins: Winter	0.03	0.9	15.756
FEH: 30 years: +0 %: 960 mins: Summer	0.03	1.1	16.944
FEH: 30 years: +0 %: 960 mins: Winter	0.03	0.7	16.950

FEH: 30 years: +0 %: 1440 mins: Summer	0.03	0.9	18.840
FEH: 30 years: +0 %: 1440 mins: Winter	0.03	0.6	18.852
FEH: 30 years: +0 %: 2160 mins: Summer	0.03	0.6	21.042
FEH: 30 years: +0 %: 2160 mins: Winter	0.03	0.4	20.946
FEH: 30 years: +0 %: 2880 mins: Summer	0.03	0.5	22.686
FEH: 30 years: +0 %: 2880 mins: Winter	0.03	0.3	22.848
FEH: 30 years: +0 %: 4320 mins: Summer	0.03	0.4	25.656
FEH: 30 years: +0 %: 4320 mins: Winter	0.03	0.3	25.560

FEH: 30 years: +0 %: 5760 mins: Summer	0.03	0.3	28.218
FEH: 30 years: +0 %: 5760 mins: Winter	0.03	0.2	28.410
FEH: 30 years: +0 %: 7200 mins: Summer	0.03	0.3	30.582
FEH: 30 years: +0 %: 7200 mins: Winter	0.03	0.2	30.342
FEH: 30 years: +0 %: 8640 mins: Summer	0.03	0.3	32.724
FEH: 30 years: +0 %: 8640 mins: Winter	0.03	0.2	32.868
FEH: 30 years: +0 %: 10080 mins: Summer	0.03	0.2	34.818
FEH: 30 years: +0 %: 10080 mins: Winter	0.03	0.2	35.082

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Loading Area 1: 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	0.24	94.3	40.950
FEH: 30 years: +0 %: 15 mins: Winter	0.24	88.5	40.950
FEH: 30 years: +0 %: 30 mins: Summer	0.24	61.7	53.428
FEH: 30 years: +0 %: 30 mins: Winter	0.24	57.9	53.435
FEH: 30 years: +0 %: 60 mins: Summer	0.24	53.5	66.876
FEH: 30 years: +0 %: 60 mins: Winter	0.24	43.0	66.870

FEH: 30 years: +0 %: 120 mins: Summer	0.24	37.3	78.522
FEH: 30 years: +0 %: 120 mins: Winter	0.24	26.8	78.534
FEH: 30 years: +0 %: 180 mins: Summer	0.24	28.9	86.352
FEH: 30 years: +0 %: 180 mins: Winter	0.24	19.9	86.364
FEH: 30 years: +0 %: 240 mins: Summer	0.24	23.9	92.430
FEH: 30 years: +0 %: 240 mins: Winter	0.24	16.1	92.430
FEH: 30 years: +0 %: 360 mins: Summer	0.24	18.0	101.730
FEH: 30 years: +0 %: 360 mins: Winter	0.24	11.9	101.706

FEH: 30 years: +0 %: 480 mins: Summer	0.24	14.8	109.008
FEH: 30 years: +0 %: 480 mins: Winter	0.24	9.6	108.990
FEH: 30 years: +0 %: 600 mins: Summer	0.24	12.5	115.116
FEH: 30 years: +0 %: 600 mins: Winter	0.24	8.1	115.116
FEH: 30 years: +0 %: 720 mins: Summer	0.24	10.9	120.444
FEH: 30 years: +0 %: 720 mins: Winter	0.24	7.1	120.420
FEH: 30 years: +0 %: 960 mins: Summer	0.24	8.8	129.444
FEH: 30 years: +0 %: 960 mins: Winter	0.24	5.7	129.450

FEH: 30 years: +0 %: 1440 mins: Summer	0.24	6.5	143.898
FEH: 30 years: +0 %: 1440 mins: Winter	0.24	4.2	143.790
FEH: 30 years: +0 %: 2160 mins: Summer	0.24	4.9	160.302
FEH: 30 years: +0 %: 2160 mins: Winter	0.24	3.1	160.326
FEH: 30 years: +0 %: 2880 mins: Summer	0.24	3.9	173.574
FEH: 30 years: +0 %: 2880 mins: Winter	0.24	2.5	173.748
FEH: 30 years: +0 %: 4320 mins: Summer	0.24	3.0	195.906
FEH: 30 years: +0 %: 4320 mins: Winter	0.24	1.9	196.254

FEH: 30 years: +0 %: 5760 mins: Summer	0.24	2.4	215.376
FEH: 30 years: +0 %: 5760 mins: Winter	0.24	1.6	215.136
FEH: 30 years: +0 %: 7200 mins: Summer	0.24	2.1	232.602
FEH: 30 years: +0 %: 7200 mins: Winter	0.24	1.4	232.746
FEH: 30 years: +0 %: 8640 mins: Summer	0.24	1.9	249.234
FEH: 30 years: +0 %: 8640 mins: Winter	0.24	1.2	249.144
FEH: 30 years: +0 %: 10080 mins: Summer	0.24	1.7	265.020
FEH: 30 years: +0 %: 10080 mins: Winter	0.24	1.1	265.374

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 4 Dock Levellers: 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	0.06	22.6	9.795
FEH: 30 years: +0 %: 15 mins: Winter	0.06	21.2	9.792
FEH: 30 years: +0 %: 30 mins: Summer	0.06	14.8	12.780
FEH: 30 years: +0 %: 30 mins: Winter	0.06	13.8	12.774
FEH: 30 years: +0 %: 60 mins: Summer	0.06	12.8	15.990
FEH: 30 years: +0 %: 60 mins: Winter	0.06	10.3	15.990

FEH: 30 years: +0 %: 120 mins: Summer	0.06	8.9	18.780
FEH: 30 years: +0 %: 120 mins: Winter	0.06	6.4	18.774
FEH: 30 years: +0 %: 180 mins: Summer	0.06	6.9	20.640
FEH: 30 years: +0 %: 180 mins: Winter	0.06	4.8	20.640
FEH: 30 years: +0 %: 240 mins: Summer	0.06	5.7	22.110
FEH: 30 years: +0 %: 240 mins: Winter	0.06	3.8	22.110
FEH: 30 years: +0 %: 360 mins: Summer	0.06	4.3	24.324
FEH: 30 years: +0 %: 360 mins: Winter	0.06	2.8	24.336

FEH: 30 years: +0 %: 480 mins: Summer	0.06	3.5	26.076
FEH: 30 years: +0 %: 480 mins: Winter	0.06	2.3	26.046
FEH: 30 years: +0 %: 600 mins: Summer	0.06	3.0	27.516
FEH: 30 years: +0 %: 600 mins: Winter	0.06	1.9	27.534
FEH: 30 years: +0 %: 720 mins: Summer	0.06	2.6	28.812
FEH: 30 years: +0 %: 720 mins: Winter	0.06	1.7	28.824
FEH: 30 years: +0 %: 960 mins: Summer	0.06	2.1	30.945
FEH: 30 years: +0 %: 960 mins: Winter	0.06	1.4	30.942

FEH: 30 years: +0 %: 1440 mins: Summer	0.06	1.6	34.422
FEH: 30 years: +0 %: 1440 mins: Winter	0.06	1.0	34.398
FEH: 30 years: +0 %: 2160 mins: Summer	0.06	1.2	38.304
FEH: 30 years: +0 %: 2160 mins: Winter	0.06	0.8	38.352
FEH: 30 years: +0 %: 2880 mins: Summer	0.06	0.9	41.580
FEH: 30 years: +0 %: 2880 mins: Winter	0.06	0.6	41.718
FEH: 30 years: +0 %: 4320 mins: Summer	0.06	0.7	46.872
FEH: 30 years: +0 %: 4320 mins: Winter	0.06	0.5	46.932

FEH: 30 years: +0 %: 5760 mins: Summer	0.06	0.6	51.600
FEH: 30 years: +0 %: 5760 mins: Winter	0.06	0.4	51.576
FEH: 30 years: +0 %: 7200 mins: Summer	0.06	0.5	55.722
FEH: 30 years: +0 %: 7200 mins: Winter	0.06	0.3	55.806
FEH: 30 years: +0 %: 8640 mins: Summer	0.06	0.4	59.520
FEH: 30 years: +0 %: 8640 mins: Winter	0.06	0.3	59.502
FEH: 30 years: +0 %: 10080 mins: Summer	0.06	0.4	63.624
FEH: 30 years: +0 %: 10080 mins: Winter	0.06	0.3	64.086

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Loading Area 2: 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	0.30	115.0	49.962
FEH: 30 years: +0 %: 15 mins: Winter	0.30	108.0	49.956
FEH: 30 years: +0 %: 30 mins: Summer	0.30	75.3	65.188
FEH: 30 years: +0 %: 30 mins: Winter	0.30	70.6	65.189
FEH: 30 years: +0 %: 60 mins: Summer	0.30	65.3	81.588
FEH: 30 years: +0 %: 60 mins: Winter	0.30	52.5	81.588

FEH: 30 years: +0 %: 120 mins: Summer	0.30	45.5	95.796
FEH: 30 years: +0 %: 120 mins: Winter	0.30	32.7	95.796
FEH: 30 years: +0 %: 180 mins: Summer	0.30	35.3	105.366
FEH: 30 years: +0 %: 180 mins: Winter	0.30	24.3	105.360
FEH: 30 years: +0 %: 240 mins: Summer	0.30	29.2	112.764
FEH: 30 years: +0 %: 240 mins: Winter	0.30	19.6	112.758
FEH: 30 years: +0 %: 360 mins: Summer	0.30	22.0	124.080
FEH: 30 years: +0 %: 360 mins: Winter	0.30	14.5	124.092

FEH: 30 years: +0 %: 480 mins: Summer	0.30	18.0	132.972
FEH: 30 years: +0 %: 480 mins: Winter	0.30	11.7	132.984
FEH: 30 years: +0 %: 600 mins: Summer	0.30	15.3	140.436
FEH: 30 years: +0 %: 600 mins: Winter	0.30	9.9	140.448
FEH: 30 years: +0 %: 720 mins: Summer	0.30	13.3	146.916
FEH: 30 years: +0 %: 720 mins: Winter	0.30	8.6	146.904
FEH: 30 years: +0 %: 960 mins: Summer	0.30	10.8	157.896
FEH: 30 years: +0 %: 960 mins: Winter	0.30	6.9	157.938

FEH: 30 years: +0 %: 1440 mins: Summer	0.30	8.0	175.446
FEH: 30 years: +0 %: 1440 mins: Winter	0.30	5.1	175.464
FEH: 30 years: +0 %: 2160 mins: Summer	0.30	5.9	195.606
FEH: 30 years: +0 %: 2160 mins: Winter	0.30	3.8	195.582
FEH: 30 years: +0 %: 2880 mins: Summer	0.30	4.8	211.992
FEH: 30 years: +0 %: 2880 mins: Winter	0.30	3.1	212.022
FEH: 30 years: +0 %: 4320 mins: Summer	0.30	3.6	239.028
FEH: 30 years: +0 %: 4320 mins: Winter	0.30	2.3	238.986

FEH: 30 years: +0 %: 5760 mins: Summer	0.30	3.0	262.458
FEH: 30 years: +0 %: 5760 mins: Winter	0.30	1.9	262.602
FEH: 30 years: +0 %: 7200 mins: Summer	0.30	2.6	283.896
FEH: 30 years: +0 %: 7200 mins: Winter	0.30	1.7	283.584
FEH: 30 years: +0 %: 8640 mins: Summer	0.30	2.3	304.056
FEH: 30 years: +0 %: 8640 mins: Winter	0.30	1.5	303.672
FEH: 30 years: +0 %: 10080 mins: Summer	0.30	2.1	323.430
FEH: 30 years: +0 %: 10080 mins: Winter	0.30	1.4	323.340

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Cycle Store: 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	0.04	17.0	7.401
FEH: 30 years: +0 %: 15 mins: Winter	0.04	16.0	7.404
FEH: 30 years: +0 %: 30 mins: Summer	0.04	11.1	9.660
FEH: 30 years: +0 %: 30 mins: Winter	0.04	10.5	9.660
FEH: 30 years: +0 %: 60 mins: Summer	0.04	9.7	12.090
FEH: 30 years: +0 %: 60 mins: Winter	0.04	7.8	12.096

FEH: 30 years: +0 %: 120 mins: Summer	0.04	6.7	14.190
FEH: 30 years: +0 %: 120 mins: Winter	0.04	4.9	14.202
FEH: 30 years: +0 %: 180 mins: Summer	0.04	5.2	15.600
FEH: 30 years: +0 %: 180 mins: Winter	0.04	3.6	15.630
FEH: 30 years: +0 %: 240 mins: Summer	0.04	4.3	16.722
FEH: 30 years: +0 %: 240 mins: Winter	0.04	2.9	16.716
FEH: 30 years: +0 %: 360 mins: Summer	0.04	3.3	18.390
FEH: 30 years: +0 %: 360 mins: Winter	0.04	2.2	18.402

FEH: 30 years: +0 %: 480 mins: Summer	0.04	2.7	19.686
FEH: 30 years: +0 %: 480 mins: Winter	0.04	1.7	19.716
FEH: 30 years: +0 %: 600 mins: Summer	0.04	2.3	20.814
FEH: 30 years: +0 %: 600 mins: Winter	0.04	1.5	20.808
FEH: 30 years: +0 %: 720 mins: Summer	0.04	2.0	21.768
FEH: 30 years: +0 %: 720 mins: Winter	0.04	1.3	21.750
FEH: 30 years: +0 %: 960 mins: Summer	0.04	1.6	23.406
FEH: 30 years: +0 %: 960 mins: Winter	0.04	1.0	23.394

FEH: 30 years: +0 %: 1440 mins: Summer	0.04	1.2	25.998
FEH: 30 years: +0 %: 1440 mins: Winter	0.04	0.8	25.998
FEH: 30 years: +0 %: 2160 mins: Summer	0.04	0.9	29.004
FEH: 30 years: +0 %: 2160 mins: Winter	0.04	0.6	29.034
FEH: 30 years: +0 %: 2880 mins: Summer	0.04	0.7	31.416
FEH: 30 years: +0 %: 2880 mins: Winter	0.04	0.5	31.404
FEH: 30 years: +0 %: 4320 mins: Summer	0.04	0.5	35.514
FEH: 30 years: +0 %: 4320 mins: Winter	0.04	0.3	35.412

FEH: 30 years: +0 %: 5760 mins: Summer	0.04	0.4	38.916
FEH: 30 years: +0 %: 5760 mins: Winter	0.04	0.3	38.856
FEH: 30 years: +0 %: 7200 mins: Summer	0.04	0.4	42.078
FEH: 30 years: +0 %: 7200 mins: Winter	0.04	0.3	41.742
FEH: 30 years: +0 %: 8640 mins: Summer	0.04	0.3	45.096
FEH: 30 years: +0 %: 8640 mins: Winter	0.04	0.2	45.102
FEH: 30 years: +0 %: 10080 mins: Summer	0.04	0.3	48.150
FEH: 30 years: +0 %: 10080 mins: Winter	0.04	0.2	48.384

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: 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	0.33	127.2	55.236
FEH: 30 years: +0 %: 15 mins: Winter	0.33	119.4	55.236
FEH: 30 years: +0 %: 30 mins: Summer	0.33	83.2	72.075
FEH: 30 years: +0 %: 30 mins: Winter	0.33	78.1	72.077
FEH: 30 years: +0 %: 60 mins: Summer	0.33	72.2	90.210
FEH: 30 years: +0 %: 60 mins: Winter	0.33	58.0	90.204

FEH: 30 years: +0 %: 120 mins: Summer	0.33	50.3	105.930
FEH: 30 years: +0 %: 120 mins: Winter	0.33	36.2	105.924
FEH: 30 years: +0 %: 180 mins: Summer	0.33	39.0	116.496
FEH: 30 years: +0 %: 180 mins: Winter	0.33	26.9	116.484
FEH: 30 years: +0 %: 240 mins: Summer	0.33	32.3	124.692
FEH: 30 years: +0 %: 240 mins: Winter	0.33	21.7	124.668
FEH: 30 years: +0 %: 360 mins: Summer	0.33	24.3	137.196
FEH: 30 years: +0 %: 360 mins: Winter	0.33	16.0	137.202

FEH: 30 years: +0 %: 480 mins: Summer	0.33	19.9	147.030
FEH: 30 years: +0 %: 480 mins: Winter	0.33	12.9	147.030
FEH: 30 years: +0 %: 600 mins: Summer	0.33	16.9	155.268
FEH: 30 years: +0 %: 600 mins: Winter	0.33	10.9	155.256
FEH: 30 years: +0 %: 720 mins: Summer	0.33	14.7	162.444
FEH: 30 years: +0 %: 720 mins: Winter	0.33	9.5	162.444
FEH: 30 years: +0 %: 960 mins: Summer	0.33	11.9	174.588
FEH: 30 years: +0 %: 960 mins: Winter	0.33	7.7	174.594

FEH: 30 years: +0 %: 1440 mins: Summer	0.33	8.8	194.028
FEH: 30 years: +0 %: 1440 mins: Winter	0.33	5.7	194.037
FEH: 30 years: +0 %: 2160 mins: Summer	0.33	6.5	216.216
FEH: 30 years: +0 %: 2160 mins: Winter	0.33	4.2	216.210
FEH: 30 years: +0 %: 2880 mins: Summer	0.33	5.3	234.384
FEH: 30 years: +0 %: 2880 mins: Winter	0.33	3.4	234.270
FEH: 30 years: +0 %: 4320 mins: Summer	0.33	4.0	264.618
FEH: 30 years: +0 %: 4320 mins: Winter	0.33	2.6	264.378

FEH: 30 years: +0 %: 5760 mins: Summer	0.33	3.3	290.166
FEH: 30 years: +0 %: 5760 mins: Winter	0.33	2.1	290.022
FEH: 30 years: +0 %: 7200 mins: Summer	0.33	2.9	313.794
FEH: 30 years: +0 %: 7200 mins: Winter	0.33	1.8	313.374
FEH: 30 years: +0 %: 8640 mins: Summer	0.33	2.5	336.222
FEH: 30 years: +0 %: 8640 mins: Winter	0.33	1.6	336.216
FEH: 30 years: +0 %: 10080 mins: Summer	0.33	2.3	357.678
FEH: 30 years: +0 %: 10080 mins: Winter	0.33	1.5	357.102

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: 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	0.04	14.0	6.084
FEH: 30 years: +0 %: 15 mins: Winter	0.04	13.1	6.084
FEH: 30 years: +0 %: 30 mins: Summer	0.04	9.2	7.932
FEH: 30 years: +0 %: 30 mins: Winter	0.04	8.6	7.938
FEH: 30 years: +0 %: 60 mins: Summer	0.04	8.0	9.936
FEH: 30 years: +0 %: 60 mins: Winter	0.04	6.4	9.930

FEH: 30 years: +0 %: 120 mins: Summer	0.04	5.5	11.670
FEH: 30 years: +0 %: 120 mins: Winter	0.04	4.0	11.652
FEH: 30 years: +0 %: 180 mins: Summer	0.04	4.3	12.834
FEH: 30 years: +0 %: 180 mins: Winter	0.04	3.0	12.840
FEH: 30 years: +0 %: 240 mins: Summer	0.04	3.6	13.728
FEH: 30 years: +0 %: 240 mins: Winter	0.04	2.4	13.722
FEH: 30 years: +0 %: 360 mins: Summer	0.04	2.7	15.120
FEH: 30 years: +0 %: 360 mins: Winter	0.04	1.8	15.102

FEH: 30 years: +0 %: 480 mins: Summer	0.04	2.2	16.188
FEH: 30 years: +0 %: 480 mins: Winter	0.04	1.4	16.194
FEH: 30 years: +0 %: 600 mins: Summer	0.04	1.9	17.100
FEH: 30 years: +0 %: 600 mins: Winter	0.04	1.2	17.070
FEH: 30 years: +0 %: 720 mins: Summer	0.04	1.6	17.868
FEH: 30 years: +0 %: 720 mins: Winter	0.04	1.0	17.862
FEH: 30 years: +0 %: 960 mins: Summer	0.04	1.3	19.200
FEH: 30 years: +0 %: 960 mins: Winter	0.04	0.8	19.230

FEH: 30 years: +0 %: 1440 mins: Summer	0.04	1.0	21.348
FEH: 30 years: +0 %: 1440 mins: Winter	0.04	0.6	21.396
FEH: 30 years: +0 %: 2160 mins: Summer	0.04	0.7	23.808
FEH: 30 years: +0 %: 2160 mins: Winter	0.04	0.5	23.808
FEH: 30 years: +0 %: 2880 mins: Summer	0.04	0.6	25.836
FEH: 30 years: +0 %: 2880 mins: Winter	0.04	0.4	25.884
FEH: 30 years: +0 %: 4320 mins: Summer	0.04	0.4	29.142
FEH: 30 years: +0 %: 4320 mins: Winter	0.04	0.3	29.040

FEH: 30 years: +0 %: 5760 mins: Summer	0.04	0.4	31.800
FEH: 30 years: +0 %: 5760 mins: Winter	0.04	0.2	31.914
FEH: 30 years: +0 %: 7200 mins: Summer	0.04	0.3	34.728
FEH: 30 years: +0 %: 7200 mins: Winter	0.04	0.2	35.058
FEH: 30 years: +0 %: 8640 mins: Summer	0.04	0.3	36.924
FEH: 30 years: +0 %: 8640 mins: Winter	0.04	0.2	36.714
FEH: 30 years: +0 %: 10080 mins: Summer	0.04	0.3	39.090
FEH: 30 years: +0 %: 10080 mins: Winter	0.04	0.2	39.438

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Foot Path North: 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	4.8	2.088
FEH: 30 years: +0 %: 15 mins: Winter	0.01	4.5	2.091
FEH: 30 years: +0 %: 30 mins: Summer	0.01	3.2	2.730
FEH: 30 years: +0 %: 30 mins: Winter	0.01	3.0	2.724
FEH: 30 years: +0 %: 60 mins: Summer	0.01	2.7	3.414
FEH: 30 years: +0 %: 60 mins: Winter	0.01	2.2	3.414

FEH: 30 years: +0 %: 120 mins: Summer	0.01	1.9	4.008
FEH: 30 years: +0 %: 120 mins: Winter	0.01	1.4	4.014
FEH: 30 years: +0 %: 180 mins: Summer	0.01	1.5	4.416
FEH: 30 years: +0 %: 180 mins: Winter	0.01	1.0	4.392
FEH: 30 years: +0 %: 240 mins: Summer	0.01	1.2	4.716
FEH: 30 years: +0 %: 240 mins: Winter	0.01	0.8	4.716
FEH: 30 years: +0 %: 360 mins: Summer	0.01	0.9	5.202
FEH: 30 years: +0 %: 360 mins: Winter	0.01	0.6	5.178

FEH: 30 years: +0 %: 480 mins: Summer	0.01	0.8	5.544
FEH: 30 years: +0 %: 480 mins: Winter	0.01	0.5	5.586
FEH: 30 years: +0 %: 600 mins: Summer	0.01	0.6	5.874
FEH: 30 years: +0 %: 600 mins: Winter	0.01	0.4	5.880
FEH: 30 years: +0 %: 720 mins: Summer	0.01	0.6	6.144
FEH: 30 years: +0 %: 720 mins: Winter	0.01	0.4	6.132
FEH: 30 years: +0 %: 960 mins: Summer	0.01	0.4	6.588
FEH: 30 years: +0 %: 960 mins: Winter	0.01	0.3	6.600

FEH: 30 years: +0 %: 1440 mins: Summer	0.01	0.3	7.308
FEH: 30 years: +0 %: 1440 mins: Winter	0.01	0.2	7.368
FEH: 30 years: +0 %: 2160 mins: Summer	0.01	0.3	8.178
FEH: 30 years: +0 %: 2160 mins: Winter	0.01	0.2	8.244
FEH: 30 years: +0 %: 2880 mins: Summer	0.01	0.2	8.940
FEH: 30 years: +0 %: 2880 mins: Winter	0.01	0.1	8.862
FEH: 30 years: +0 %: 4320 mins: Summer	0.01	0.2	9.990
FEH: 30 years: +0 %: 4320 mins: Winter	0.01	0.1	10.164

FEH: 30 years: +0 %: 5760 mins: Summer	0.01	0.1	10.716
FEH: 30 years: +0 %: 5760 mins: Winter	0.01	0.1	10.710
FEH: 30 years: +0 %: 7200 mins: Summer	0.01	0.1	11.754
FEH: 30 years: +0 %: 7200 mins: Winter	0.01	0.1	11.658
FEH: 30 years: +0 %: 8640 mins: Summer	0.01	0.1	12.744
FEH: 30 years: +0 %: 8640 mins: Winter	0.01	0.1	12.546
FEH: 30 years: +0 %: 10080 mins: Summer	0.01	0.1	13.788
FEH: 30 years: +0 %: 10080 mins: Winter	0.01	0.1	13.434

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 4 Roof to S9: 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	0.04	14.3	6.228
FEH: 30 years: +0 %: 15 mins: Winter	0.04	13.5	6.228
FEH: 30 years: +0 %: 30 mins: Summer	0.04	9.4	8.124
FEH: 30 years: +0 %: 30 mins: Winter	0.04	8.8	8.130
FEH: 30 years: +0 %: 60 mins: Summer	0.04	8.1	10.170
FEH: 30 years: +0 %: 60 mins: Winter	0.04	6.6	10.170

FEH: 30 years: +0 %: 120 mins: Summer	0.04	5.7	11.940
FEH: 30 years: +0 %: 120 mins: Winter	0.04	4.1	11.952
FEH: 30 years: +0 %: 180 mins: Summer	0.04	4.4	13.152
FEH: 30 years: +0 %: 180 mins: Winter	0.04	3.0	13.140
FEH: 30 years: +0 %: 240 mins: Summer	0.04	3.6	14.058
FEH: 30 years: +0 %: 240 mins: Winter	0.04	2.5	14.040
FEH: 30 years: +0 %: 360 mins: Summer	0.04	2.7	15.486
FEH: 30 years: +0 %: 360 mins: Winter	0.04	1.8	15.456

FEH: 30 years: +0 %: 480 mins: Summer	0.04	2.3	16.578
FEH: 30 years: +0 %: 480 mins: Winter	0.04	1.5	16.602
FEH: 30 years: +0 %: 600 mins: Summer	0.04	1.9	17.502
FEH: 30 years: +0 %: 600 mins: Winter	0.04	1.2	17.538
FEH: 30 years: +0 %: 720 mins: Summer	0.04	1.7	18.330
FEH: 30 years: +0 %: 720 mins: Winter	0.04	1.1	18.354
FEH: 30 years: +0 %: 960 mins: Summer	0.04	1.3	19.686
FEH: 30 years: +0 %: 960 mins: Winter	0.04	0.9	19.662

FEH: 30 years: +0 %: 1440 mins: Summer	0.04	1.0	21.840
FEH: 30 years: +0 %: 1440 mins: Winter	0.04	0.6	21.834
FEH: 30 years: +0 %: 2160 mins: Summer	0.04	0.7	24.408
FEH: 30 years: +0 %: 2160 mins: Winter	0.04	0.5	24.336
FEH: 30 years: +0 %: 2880 mins: Summer	0.04	0.6	26.472
FEH: 30 years: +0 %: 2880 mins: Winter	0.04	0.4	26.514
FEH: 30 years: +0 %: 4320 mins: Summer	0.04	0.4	29.844
FEH: 30 years: +0 %: 4320 mins: Winter	0.04	0.3	29.748

FEH: 30 years: +0 %: 5760 mins: Summer	0.04	0.4	32.694
FEH: 30 years: +0 %: 5760 mins: Winter	0.04	0.2	32.634
FEH: 30 years: +0 %: 7200 mins: Summer	0.04	0.3	35.346
FEH: 30 years: +0 %: 7200 mins: Winter	0.04	0.2	35.688
FEH: 30 years: +0 %: 8640 mins: Summer	0.04	0.3	37.950
FEH: 30 years: +0 %: 8640 mins: Winter	0.04	0.2	37.542
FEH: 30 years: +0 %: 10080 mins: Summer	0.04	0.3	40.152
FEH: 30 years: +0 %: 10080 mins: Winter	0.04	0.2	40.278

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 4 Roof S16: 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	0.69	270.1	117.291
FEH: 30 years: +0 %: 15 mins: Winter	0.69	253.5	117.293
FEH: 30 years: +0 %: 30 mins: Summer	0.69	176.7	153.055
FEH: 30 years: +0 %: 30 mins: Winter	0.69	165.8	153.046
FEH: 30 years: +0 %: 60 mins: Summer	0.69	153.3	191.556
FEH: 30 years: +0 %: 60 mins: Winter	0.69	123.3	191.562

FEH: 30 years: +0 %: 120 mins: Summer	0.69	106.7	224.922
FEH: 30 years: +0 %: 120 mins: Winter	0.69	76.8	224.922
FEH: 30 years: +0 %: 180 mins: Summer	0.69	82.9	247.386
FEH: 30 years: +0 %: 180 mins: Winter	0.69	57.1	247.383
FEH: 30 years: +0 %: 240 mins: Summer	0.69	68.6	264.738
FEH: 30 years: +0 %: 240 mins: Winter	0.69	46.1	264.750
FEH: 30 years: +0 %: 360 mins: Summer	0.69	51.6	291.330
FEH: 30 years: +0 %: 360 mins: Winter	0.69	34.0	291.330

FEH: 30 years: +0 %: 480 mins: Summer	0.69	42.4	312.204
FEH: 30 years: +0 %: 480 mins: Winter	0.69	27.4	312.189
FEH: 30 years: +0 %: 600 mins: Summer	0.69	35.9	329.688
FEH: 30 years: +0 %: 600 mins: Winter	0.69	23.2	329.676
FEH: 30 years: +0 %: 720 mins: Summer	0.69	31.3	344.880
FEH: 30 years: +0 %: 720 mins: Winter	0.69	20.2	344.910
FEH: 30 years: +0 %: 960 mins: Summer	0.69	25.2	370.791
FEH: 30 years: +0 %: 960 mins: Winter	0.69	16.3	370.782

FEH: 30 years: +0 %: 1440 mins: Summer	0.69	18.7	412.038
FEH: 30 years: +0 %: 1440 mins: Winter	0.69	12.1	412.038
FEH: 30 years: +0 %: 2160 mins: Summer	0.69	13.9	459.222
FEH: 30 years: +0 %: 2160 mins: Winter	0.69	9.0	459.264
FEH: 30 years: +0 %: 2880 mins: Summer	0.69	11.3	497.796
FEH: 30 years: +0 %: 2880 mins: Winter	0.69	7.3	497.760
FEH: 30 years: +0 %: 4320 mins: Summer	0.69	8.5	561.444
FEH: 30 years: +0 %: 4320 mins: Winter	0.69	5.5	561.480

FEH: 30 years: +0 %: 5760 mins: Summer	0.69	7.0	616.158
FEH: 30 years: +0 %: 5760 mins: Winter	0.69	4.5	616.134
FEH: 30 years: +0 %: 7200 mins: Summer	0.69	6.1	666.474
FEH: 30 years: +0 %: 7200 mins: Winter	0.69	3.9	666.744
FEH: 30 years: +0 %: 8640 mins: Summer	0.69	5.4	713.421
FEH: 30 years: +0 %: 8640 mins: Winter	0.69	3.5	713.418
FEH: 30 years: +0 %: 10080 mins: Summer	0.69	4.9	758.778
FEH: 30 years: +0 %: 10080 mins: Winter	0.69	3.2	759.252

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Unit 4 Roof S15: 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	0.23	91.5	39.744
FEH: 30 years: +0 %: 15 mins: Winter	0.23	85.9	39.741
FEH: 30 years: +0 %: 30 mins: Summer	0.23	59.9	51.862
FEH: 30 years: +0 %: 30 mins: Winter	0.23	56.2	51.863
FEH: 30 years: +0 %: 60 mins: Summer	0.23	51.9	64.902
FEH: 30 years: +0 %: 60 mins: Winter	0.23	41.8	64.908

FEH: 30 years: +0 %: 120 mins: Summer	0.23	36.2	76.218
FEH: 30 years: +0 %: 120 mins: Winter	0.23	26.0	76.224
FEH: 30 years: +0 %: 180 mins: Summer	0.23	28.1	83.820
FEH: 30 years: +0 %: 180 mins: Winter	0.23	19.4	83.820
FEH: 30 years: +0 %: 240 mins: Summer	0.23	23.2	89.718
FEH: 30 years: +0 %: 240 mins: Winter	0.23	15.6	89.694
FEH: 30 years: +0 %: 360 mins: Summer	0.23	17.5	98.706
FEH: 30 years: +0 %: 360 mins: Winter	0.23	11.5	98.718

FEH: 30 years: +0 %: 480 mins: Summer	0.23	14.3	105.810
FEH: 30 years: +0 %: 480 mins: Winter	0.23	9.3	105.780
FEH: 30 years: +0 %: 600 mins: Summer	0.23	12.2	111.747
FEH: 30 years: +0 %: 600 mins: Winter	0.23	7.8	111.696
FEH: 30 years: +0 %: 720 mins: Summer	0.23	10.6	116.904
FEH: 30 years: +0 %: 720 mins: Winter	0.23	6.8	116.868
FEH: 30 years: +0 %: 960 mins: Summer	0.23	8.6	125.634
FEH: 30 years: +0 %: 960 mins: Winter	0.23	5.5	125.628

FEH: 30 years: +0 %: 1440 mins: Summer	0.23	6.3	139.608
FEH: 30 years: +0 %: 1440 mins: Winter	0.23	4.1	139.638
FEH: 30 years: +0 %: 2160 mins: Summer	0.23	4.7	155.640
FEH: 30 years: +0 %: 2160 mins: Winter	0.23	3.0	155.694
FEH: 30 years: +0 %: 2880 mins: Summer	0.23	3.8	168.624
FEH: 30 years: +0 %: 2880 mins: Winter	0.23	2.5	168.600
FEH: 30 years: +0 %: 4320 mins: Summer	0.23	2.9	190.344
FEH: 30 years: +0 %: 4320 mins: Winter	0.23	1.9	190.464

FEH: 30 years: +0 %: 5760 mins: Summer	0.23	2.4	208.938
FEH: 30 years: +0 %: 5760 mins: Winter	0.23	1.5	208.674
FEH: 30 years: +0 %: 7200 mins: Summer	0.23	2.0	225.678
FEH: 30 years: +0 %: 7200 mins: Winter	0.23	1.3	225.834
FEH: 30 years: +0 %: 8640 mins: Summer	0.23	1.8	241.590
FEH: 30 years: +0 %: 8640 mins: Winter	0.23	1.2	241.800
FEH: 30 years: +0 %: 10080 mins: Summer	0.23	1.7	257.274
FEH: 30 years: +0 %: 10080 mins: Winter	0.23	1.1	257.622

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Rear Footpath: 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	17.3	7.512
FEH: 30 years: +40 %: 15 mins: Winter	0.03	16.2	7.509
FEH: 30 years: +40 %: 30 mins: Summer	0.03	11.3	9.798
FEH: 30 years: +40 %: 30 mins: Winter	0.03	10.6	9.804
FEH: 30 years: +40 %: 60 mins: Summer	0.03	9.8	12.258
FEH: 30 years: +40 %: 60 mins: Winter	0.03	7.9	12.258

FEH: 30 years: +40 %: 120 mins: Summer	0.03	6.8	14.394
FEH: 30 years: +40 %: 120 mins: Winter	0.03	4.9	14.394
FEH: 30 years: +40 %: 180 mins: Summer	0.03	5.3	15.846
FEH: 30 years: +40 %: 180 mins: Winter	0.03	3.7	15.834
FEH: 30 years: +40 %: 240 mins: Summer	0.03	4.4	16.956
FEH: 30 years: +40 %: 240 mins: Winter	0.03	3.0	16.932
FEH: 30 years: +40 %: 360 mins: Summer	0.03	3.3	18.642
FEH: 30 years: +40 %: 360 mins: Winter	0.03	2.2	18.648

FEH: 30 years: +40 %: 480 mins: Summer	0.03	2.7	19.986
FEH: 30 years: +40 %: 480 mins: Winter	0.03	1.8	19.992
FEH: 30 years: +40 %: 600 mins: Summer	0.03	2.3	21.120
FEH: 30 years: +40 %: 600 mins: Winter	0.03	1.5	21.114
FEH: 30 years: +40 %: 720 mins: Summer	0.03	2.0	22.086
FEH: 30 years: +40 %: 720 mins: Winter	0.03	1.3	22.092
FEH: 30 years: +40 %: 960 mins: Summer	0.03	1.6	23.742
FEH: 30 years: +40 %: 960 mins: Winter	0.03	1.0	23.706

FEH: 30 years: +40 %: 1440 mins: Summer	0.03	1.2	26.430
FEH: 30 years: +40 %: 1440 mins: Winter	0.03	0.8	26.382
FEH: 30 years: +40 %: 2160 mins: Summer	0.03	0.9	29.394
FEH: 30 years: +40 %: 2160 mins: Winter	0.03	0.6	29.388
FEH: 30 years: +40 %: 2880 mins: Summer	0.03	0.7	31.770
FEH: 30 years: +40 %: 2880 mins: Winter	0.03	0.5	31.842
FEH: 30 years: +40 %: 4320 mins: Summer	0.03	0.5	36.024

FEH: 30 years: +40 %: 4320 mins: Winter	0.03	0.3	35.796
FEH: 30 years: +40 %: 5760 mins: Summer	0.03	0.4	39.414
FEH: 30 years: +40 %: 5760 mins: Winter	0.03	0.3	39.348
FEH: 30 years: +40 %: 7200 mins: Summer	0.03	0.4	42.756
FEH: 30 years: +40 %: 7200 mins: Winter	0.03	0.3	42.588
FEH: 30 years: +40 %: 8640 mins: Summer	0.03	0.3	45.612
FEH: 30 years: +40 %: 8640 mins: Winter	0.03	0.2	45.624

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 30 years: +40 %: 10080 mins: Summer	0.03	0.3	48.864
FEH: 30 years: +40 %: 10080 mins: Winter	0.03	0.2	49.206

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Loading Area 1: 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	0.24	132.0	57.328
FEH: 30 years: +40 %: 15 mins: Winter	0.24	123.9	57.328
FEH: 30 years: +40 %: 30 mins: Summer	0.24	86.3	74.808
FEH: 30 years: +40 %: 30 mins: Winter	0.24	81.0	74.808
FEH: 30 years: +40 %: 60 mins: Summer	0.24	74.9	93.618
FEH: 30 years: +40 %: 60 mins: Winter	0.24	60.3	93.617

FEH: 30 years: +40 %: 120 mins: Summer	0.24	52.2	109.926
FEH: 30 years: +40 %: 120 mins: Winter	0.24	37.5	109.938
FEH: 30 years: +40 %: 180 mins: Summer	0.24	40.5	120.912
FEH: 30 years: +40 %: 180 mins: Winter	0.24	27.9	120.906
FEH: 30 years: +40 %: 240 mins: Summer	0.24	33.5	129.402
FEH: 30 years: +40 %: 240 mins: Winter	0.24	22.5	129.384
FEH: 30 years: +40 %: 360 mins: Summer	0.24	25.2	142.398
FEH: 30 years: +40 %: 360 mins: Winter	0.24	16.6	142.392

FEH: 30 years: +40 %: 480 mins: Summer	0.24	20.7	152.592
FEH: 30 years: +40 %: 480 mins: Winter	0.24	13.4	152.586
FEH: 30 years: +40 %: 600 mins: Summer	0.24	17.6	161.142
FEH: 30 years: +40 %: 600 mins: Winter	0.24	11.3	161.148
FEH: 30 years: +40 %: 720 mins: Summer	0.24	15.3	168.576
FEH: 30 years: +40 %: 720 mins: Winter	0.24	9.9	168.576
FEH: 30 years: +40 %: 960 mins: Summer	0.24	12.3	181.194
FEH: 30 years: +40 %: 960 mins: Winter	0.24	8.0	181.212

FEH: 30 years: +40 %: 1440 mins: Summer	0.24	9.1	201.426
FEH: 30 years: +40 %: 1440 mins: Winter	0.24	5.9	201.426
FEH: 30 years: +40 %: 2160 mins: Summer	0.24	6.8	224.520
FEH: 30 years: +40 %: 2160 mins: Winter	0.24	4.4	224.490
FEH: 30 years: +40 %: 2880 mins: Summer	0.24	5.5	243.222
FEH: 30 years: +40 %: 2880 mins: Winter	0.24	3.6	243.312
FEH: 30 years: +40 %: 4320 mins: Summer	0.24	4.2	274.362

FEH: 30 years: +40 %: 4320 mins: Winter	0.24	2.7	274.446
FEH: 30 years: +40 %: 5760 mins: Summer	0.24	3.4	301.080
FEH: 30 years: +40 %: 5760 mins: Winter	0.24	2.2	301.158
FEH: 30 years: +40 %: 7200 mins: Summer	0.24	3.0	325.812
FEH: 30 years: +40 %: 7200 mins: Winter	0.24	1.9	325.884
FEH: 30 years: +40 %: 8640 mins: Summer	0.24	2.6	348.798
FEH: 30 years: +40 %: 8640 mins: Winter	0.24	1.7	348.876

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 30 years: +40 %: 10080 mins: Summer	0.24	2.4	370.620
FEH: 30 years: +40 %: 10080 mins: Winter	0.24	1.6	370.626

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 4 Dock Levellers: 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	0.06	31.6	13.707
FEH: 30 years: +40 %: 15 mins: Winter	0.06	29.6	13.713
FEH: 30 years: +40 %: 30 mins: Summer	0.06	20.6	17.886
FEH: 30 years: +40 %: 30 mins: Winter	0.06	19.4	17.892
FEH: 30 years: +40 %: 60 mins: Summer	0.06	17.9	22.392
FEH: 30 years: +40 %: 60 mins: Winter	0.06	14.4	22.392

FEH: 30 years: +40 %: 120 mins: Summer	0.06	12.5	26.292
FEH: 30 years: +40 %: 120 mins: Winter	0.06	9.0	26.292
FEH: 30 years: +40 %: 180 mins: Summer	0.06	9.7	28.920
FEH: 30 years: +40 %: 180 mins: Winter	0.06	6.7	28.902
FEH: 30 years: +40 %: 240 mins: Summer	0.06	8.0	30.942
FEH: 30 years: +40 %: 240 mins: Winter	0.06	5.4	30.948
FEH: 30 years: +40 %: 360 mins: Summer	0.06	6.0	34.062
FEH: 30 years: +40 %: 360 mins: Winter	0.06	4.0	34.044

FEH: 30 years: +40 %: 480 mins: Summer	0.06	4.9	36.480
FEH: 30 years: +40 %: 480 mins: Winter	0.06	3.2	36.480
FEH: 30 years: +40 %: 600 mins: Summer	0.06	4.2	38.532
FEH: 30 years: +40 %: 600 mins: Winter	0.06	2.7	38.550
FEH: 30 years: +40 %: 720 mins: Summer	0.06	3.7	40.326
FEH: 30 years: +40 %: 720 mins: Winter	0.06	2.4	40.314
FEH: 30 years: +40 %: 960 mins: Summer	0.06	3.0	43.362
FEH: 30 years: +40 %: 960 mins: Winter	0.06	1.9	43.350

FEH: 30 years: +40 %: 1440 mins: Summer	0.06	2.2	48.192
FEH: 30 years: +40 %: 1440 mins: Winter	0.06	1.4	48.156
FEH: 30 years: +40 %: 2160 mins: Summer	0.06	1.6	53.646
FEH: 30 years: +40 %: 2160 mins: Winter	0.06	1.0	53.658
FEH: 30 years: +40 %: 2880 mins: Summer	0.06	1.3	58.098
FEH: 30 years: +40 %: 2880 mins: Winter	0.06	0.9	58.098
FEH: 30 years: +40 %: 4320 mins: Summer	0.06	1.0	65.538

FEH: 30 years: +40 %: 4320 mins: Winter	0.06	0.6	65.466
FEH: 30 years: +40 %: 5760 mins: Summer	0.06	0.8	72.210
FEH: 30 years: +40 %: 5760 mins: Winter	0.06	0.5	72.072
FEH: 30 years: +40 %: 7200 mins: Summer	0.06	0.7	77.850
FEH: 30 years: +40 %: 7200 mins: Winter	0.06	0.5	78.090
FEH: 30 years: +40 %: 8640 mins: Summer	0.06	0.6	83.358
FEH: 30 years: +40 %: 8640 mins: Winter	0.06	0.4	83.082

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.06	0.6	88.788
FEH: 30 years: +40 %: 10080 mins: Winter	0.06	0.4	89.154

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Loading Area 2: 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	0.30	161.1	69.940
FEH: 30 years: +40 %: 15 mins: Winter	0.30	151.2	69.943
FEH: 30 years: +40 %: 30 mins: Summer	0.30	105.4	91.266
FEH: 30 years: +40 %: 30 mins: Winter	0.30	98.9	91.260
FEH: 30 years: +40 %: 60 mins: Summer	0.30	91.4	114.222
FEH: 30 years: +40 %: 60 mins: Winter	0.30	73.5	114.215

FEH: 30 years: +40 %: 120 mins: Summer	0.30	63.6	134.118
FEH: 30 years: +40 %: 120 mins: Winter	0.30	45.8	134.112
FEH: 30 years: +40 %: 180 mins: Summer	0.30	49.4	147.522
FEH: 30 years: +40 %: 180 mins: Winter	0.30	34.1	147.516
FEH: 30 years: +40 %: 240 mins: Summer	0.30	40.9	157.866
FEH: 30 years: +40 %: 240 mins: Winter	0.30	27.5	157.860
FEH: 30 years: +40 %: 360 mins: Summer	0.30	30.8	173.718
FEH: 30 years: +40 %: 360 mins: Winter	0.30	20.3	173.730

FEH: 30 years: +40 %: 480 mins: Summer	0.30	25.3	186.162
FEH: 30 years: +40 %: 480 mins: Winter	0.30	16.3	186.162
FEH: 30 years: +40 %: 600 mins: Summer	0.30	21.4	196.590
FEH: 30 years: +40 %: 600 mins: Winter	0.30	13.8	196.602
FEH: 30 years: +40 %: 720 mins: Summer	0.30	18.7	205.674
FEH: 30 years: +40 %: 720 mins: Winter	0.30	12.0	205.662
FEH: 30 years: +40 %: 960 mins: Summer	0.30	15.0	221.094
FEH: 30 years: +40 %: 960 mins: Winter	0.30	9.7	221.118

FEH: 30 years: +40 %: 1440 mins: Summer	0.30	11.1	245.724
FEH: 30 years: +40 %: 1440 mins: Winter	0.30	7.2	245.670
FEH: 30 years: +40 %: 2160 mins: Summer	0.30	8.3	273.822
FEH: 30 years: +40 %: 2160 mins: Winter	0.30	5.3	273.840
FEH: 30 years: +40 %: 2880 mins: Summer	0.30	6.7	296.808
FEH: 30 years: +40 %: 2880 mins: Winter	0.30	4.3	296.748
FEH: 30 years: +40 %: 4320 mins: Summer	0.30	5.1	335.040

FEH: 30 years: +40 %: 4320 mins: Winter	0.30	3.3	334.806
FEH: 30 years: +40 %: 5760 mins: Summer	0.30	4.2	367.452
FEH: 30 years: +40 %: 5760 mins: Winter	0.30	2.7	367.362
FEH: 30 years: +40 %: 7200 mins: Summer	0.30	3.6	397.272
FEH: 30 years: +40 %: 7200 mins: Winter	0.30	2.3	397.200
FEH: 30 years: +40 %: 8640 mins: Summer	0.30	3.2	425.598
FEH: 30 years: +40 %: 8640 mins: Winter	0.30	2.1	425.814

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.30	2.9	452.514
FEH: 30 years: +40 %: 10080 mins: Winter	0.30	1.9	452.406

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Cycle Store: 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	0.04	23.9	10.365
FEH: 30 years: +40 %: 15 mins: Winter	0.04	22.4	10.368
FEH: 30 years: +40 %: 30 mins: Summer	0.04	15.6	13.524
FEH: 30 years: +40 %: 30 mins: Winter	0.04	14.7	13.524
FEH: 30 years: +40 %: 60 mins: Summer	0.04	13.6	16.926
FEH: 30 years: +40 %: 60 mins: Winter	0.04	10.9	16.926

FEH: 30 years: +40 %: 120 mins: Summer	0.04	9.4	19.878
FEH: 30 years: +40 %: 120 mins: Winter	0.04	6.8	19.878
FEH: 30 years: +40 %: 180 mins: Summer	0.04	7.3	21.864
FEH: 30 years: +40 %: 180 mins: Winter	0.04	5.0	21.858
FEH: 30 years: +40 %: 240 mins: Summer	0.04	6.1	23.400
FEH: 30 years: +40 %: 240 mins: Winter	0.04	4.1	23.388
FEH: 30 years: +40 %: 360 mins: Summer	0.04	4.6	25.734
FEH: 30 years: +40 %: 360 mins: Winter	0.04	3.0	25.758

FEH: 30 years: +40 %: 480 mins: Summer	0.04	3.7	27.606
FEH: 30 years: +40 %: 480 mins: Winter	0.04	2.4	27.594
FEH: 30 years: +40 %: 600 mins: Summer	0.04	3.2	29.136
FEH: 30 years: +40 %: 600 mins: Winter	0.04	2.0	29.118
FEH: 30 years: +40 %: 720 mins: Summer	0.04	2.8	30.480
FEH: 30 years: +40 %: 720 mins: Winter	0.04	1.8	30.480
FEH: 30 years: +40 %: 960 mins: Summer	0.04	2.2	32.772
FEH: 30 years: +40 %: 960 mins: Winter	0.04	1.4	32.730

FEH: 30 years: +40 %: 1440 mins: Summer	0.04	1.6	36.396
FEH: 30 years: +40 %: 1440 mins: Winter	0.04	1.1	36.396
FEH: 30 years: +40 %: 2160 mins: Summer	0.04	1.2	40.584
FEH: 30 years: +40 %: 2160 mins: Winter	0.04	0.8	40.596
FEH: 30 years: +40 %: 2880 mins: Summer	0.04	1.0	43.896
FEH: 30 years: +40 %: 2880 mins: Winter	0.04	0.6	43.854
FEH: 30 years: +40 %: 4320 mins: Summer	0.04	0.8	49.638

FEH: 30 years: +40 %: 4320 mins: Winter	0.04	0.5	49.722
FEH: 30 years: +40 %: 5760 mins: Summer	0.04	0.6	54.468
FEH: 30 years: +40 %: 5760 mins: Winter	0.04	0.4	54.528
FEH: 30 years: +40 %: 7200 mins: Summer	0.04	0.5	58.830
FEH: 30 years: +40 %: 7200 mins: Winter	0.04	0.3	58.830
FEH: 30 years: +40 %: 8640 mins: Summer	0.04	0.5	62.940
FEH: 30 years: +40 %: 8640 mins: Winter	0.04	0.3	62.826

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.04	0.4	67.134
FEH: 30 years: +40 %: 10080 mins: Winter	0.04	0.3	67.026

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: 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	0.33	178.1	77.332
FEH: 30 years: +40 %: 15 mins: Winter	0.33	167.1	77.332
FEH: 30 years: +40 %: 30 mins: Summer	0.33	116.5	100.902
FEH: 30 years: +40 %: 30 mins: Winter	0.33	109.3	100.908
FEH: 30 years: +40 %: 60 mins: Summer	0.33	101.1	126.294
FEH: 30 years: +40 %: 60 mins: Winter	0.33	81.3	126.293

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 120 mins: Summer	0.33	70.4	148.284
FEH: 30 years: +40 %: 120 mins: Winter	0.33	50.6	148.290
FEH: 30 years: +40 %: 180 mins: Summer	0.33	54.6	163.092
FEH: 30 years: +40 %: 180 mins: Winter	0.33	37.7	163.092
FEH: 30 years: +40 %: 240 mins: Summer	0.33	45.2	174.552
FEH: 30 years: +40 %: 240 mins: Winter	0.33	30.4	174.546
FEH: 30 years: +40 %: 360 mins: Summer	0.33	34.0	192.078
FEH: 30 years: +40 %: 360 mins: Winter	0.33	22.4	192.084

FEH: 30 years: +40 %: 480 mins: Summer	0.33	27.9	205.824
FEH: 30 years: +40 %: 480 mins: Winter	0.33	18.1	205.866
FEH: 30 years: +40 %: 600 mins: Summer	0.33	23.7	217.338
FEH: 30 years: +40 %: 600 mins: Winter	0.33	15.3	217.374
FEH: 30 years: +40 %: 720 mins: Summer	0.33	20.6	227.403
FEH: 30 years: +40 %: 720 mins: Winter	0.33	13.3	227.394
FEH: 30 years: +40 %: 960 mins: Summer	0.33	16.6	244.458
FEH: 30 years: +40 %: 960 mins: Winter	0.33	10.7	244.458

FEH: 30 years: +40 %: 1440 mins: Summer	0.33	12.3	271.620
FEH: 30 years: +40 %: 1440 mins: Winter	0.33	8.0	271.602
FEH: 30 years: +40 %: 2160 mins: Summer	0.33	9.2	302.724
FEH: 30 years: +40 %: 2160 mins: Winter	0.33	5.9	302.772
FEH: 30 years: +40 %: 2880 mins: Summer	0.33	7.4	328.194
FEH: 30 years: +40 %: 2880 mins: Winter	0.33	4.8	328.212
FEH: 30 years: +40 %: 4320 mins: Summer	0.33	5.6	370.134

FEH: 30 years: +40 %: 4320 mins: Winter	0.33	3.6	370.188
FEH: 30 years: +40 %: 5760 mins: Summer	0.33	4.6	406.356
FEH: 30 years: +40 %: 5760 mins: Winter	0.33	3.0	406.230
FEH: 30 years: +40 %: 7200 mins: Summer	0.33	4.0	440.076
FEH: 30 years: +40 %: 7200 mins: Winter	0.33	2.6	439.428
FEH: 30 years: +40 %: 8640 mins: Summer	0.33	3.6	470.700
FEH: 30 years: +40 %: 8640 mins: Winter	0.33	2.3	470.394

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.33	3.2	500.514
FEH: 30 years: +40 %: 10080 mins: Winter	0.33	2.1	500.292

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: 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	0.04	19.6	8.514
FEH: 30 years: +40 %: 15 mins: Winter	0.04	18.4	8.517
FEH: 30 years: +40 %: 30 mins: Summer	0.04	12.8	11.112
FEH: 30 years: +40 %: 30 mins: Winter	0.04	12.0	11.112
FEH: 30 years: +40 %: 60 mins: Summer	0.04	11.1	13.908
FEH: 30 years: +40 %: 60 mins: Winter	0.04	8.9	13.902

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 120 mins: Summer	0.04	7.8	16.326
FEH: 30 years: +40 %: 120 mins: Winter	0.04	5.6	16.332
FEH: 30 years: +40 %: 180 mins: Summer	0.04	6.0	17.964
FEH: 30 years: +40 %: 180 mins: Winter	0.04	4.2	17.964
FEH: 30 years: +40 %: 240 mins: Summer	0.04	5.0	19.224
FEH: 30 years: +40 %: 240 mins: Winter	0.04	3.3	19.212
FEH: 30 years: +40 %: 360 mins: Summer	0.04	3.8	21.156
FEH: 30 years: +40 %: 360 mins: Winter	0.04	2.5	21.168

FEH: 30 years: +40 %: 480 mins: Summer	0.04	3.1	22.662
FEH: 30 years: +40 %: 480 mins: Winter	0.04	2.0	22.662
FEH: 30 years: +40 %: 600 mins: Summer	0.04	2.6	23.958
FEH: 30 years: +40 %: 600 mins: Winter	0.04	1.7	23.940
FEH: 30 years: +40 %: 720 mins: Summer	0.04	2.3	25.050
FEH: 30 years: +40 %: 720 mins: Winter	0.04	1.5	25.044
FEH: 30 years: +40 %: 960 mins: Summer	0.04	1.8	26.904
FEH: 30 years: +40 %: 960 mins: Winter	0.04	1.2	26.940

FEH: 30 years: +40 %: 1440 mins: Summer	0.04	1.4	29.946
FEH: 30 years: +40 %: 1440 mins: Winter	0.04	0.9	29.904
FEH: 30 years: +40 %: 2160 mins: Summer	0.04	1.0	33.336
FEH: 30 years: +40 %: 2160 mins: Winter	0.04	0.6	33.348
FEH: 30 years: +40 %: 2880 mins: Summer	0.04	0.8	36.180
FEH: 30 years: +40 %: 2880 mins: Winter	0.04	0.5	36.090
FEH: 30 years: +40 %: 4320 mins: Summer	0.04	0.6	40.794

FEH: 30 years: +40 %: 4320 mins: Winter	0.04	0.4	40.806
FEH: 30 years: +40 %: 5760 mins: Summer	0.04	0.5	44.796
FEH: 30 years: +40 %: 5760 mins: Winter	0.04	0.3	44.934
FEH: 30 years: +40 %: 7200 mins: Summer	0.04	0.4	48.384
FEH: 30 years: +40 %: 7200 mins: Winter	0.04	0.3	48.222
FEH: 30 years: +40 %: 8640 mins: Summer	0.04	0.4	51.648
FEH: 30 years: +40 %: 8640 mins: Winter	0.04	0.3	51.624

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.04	0.4	54.930
FEH: 30 years: +40 %: 10080 mins: Winter	0.04	0.2	54.930

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Foot Path North: 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	6.7	2.925
FEH: 30 years: +40 %: 15 mins: Winter	0.01	6.3	2.928
FEH: 30 years: +40 %: 30 mins: Summer	0.01	4.4	3.810
FEH: 30 years: +40 %: 30 mins: Winter	0.01	4.1	3.816
FEH: 30 years: +40 %: 60 mins: Summer	0.01	3.8	4.770
FEH: 30 years: +40 %: 60 mins: Winter	0.01	3.1	4.770

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 120 mins: Summer	0.01	2.7	5.610
FEH: 30 years: +40 %: 120 mins: Winter	0.01	1.9	5.598
FEH: 30 years: +40 %: 180 mins: Summer	0.01	2.1	6.168
FEH: 30 years: +40 %: 180 mins: Winter	0.01	1.4	6.162
FEH: 30 years: +40 %: 240 mins: Summer	0.01	1.7	6.594
FEH: 30 years: +40 %: 240 mins: Winter	0.01	1.1	6.600
FEH: 30 years: +40 %: 360 mins: Summer	0.01	1.3	7.254
FEH: 30 years: +40 %: 360 mins: Winter	0.01	0.9	7.260

FEH: 30 years: +40 %: 480 mins: Summer	0.01	1.1	7.788
FEH: 30 years: +40 %: 480 mins: Winter	0.01	0.7	7.782
FEH: 30 years: +40 %: 600 mins: Summer	0.01	0.9	8.232
FEH: 30 years: +40 %: 600 mins: Winter	0.01	0.6	8.214
FEH: 30 years: +40 %: 720 mins: Summer	0.01	0.8	8.592
FEH: 30 years: +40 %: 720 mins: Winter	0.01	0.5	8.616
FEH: 30 years: +40 %: 960 mins: Summer	0.01	0.6	9.234
FEH: 30 years: +40 %: 960 mins: Winter	0.01	0.4	9.222

FEH: 30 years: +40 %: 1440 mins: Summer	0.01	0.5	10.278
FEH: 30 years: +40 %: 1440 mins: Winter	0.01	0.3	10.224
FEH: 30 years: +40 %: 2160 mins: Summer	0.01	0.3	11.460
FEH: 30 years: +40 %: 2160 mins: Winter	0.01	0.2	11.412
FEH: 30 years: +40 %: 2880 mins: Summer	0.01	0.3	12.528
FEH: 30 years: +40 %: 2880 mins: Winter	0.01	0.2	12.300
FEH: 30 years: +40 %: 4320 mins: Summer	0.01	0.2	13.950

FEH: 30 years: +40 %: 4320 mins: Winter	0.01	0.1	13.848
FEH: 30 years: +40 %: 5760 mins: Summer	0.01	0.2	15.426
FEH: 30 years: +40 %: 5760 mins: Winter	0.01	0.1	15.408
FEH: 30 years: +40 %: 7200 mins: Summer	0.01	0.2	16.494
FEH: 30 years: +40 %: 7200 mins: Winter	0.01	0.1	16.854
FEH: 30 years: +40 %: 8640 mins: Summer	0.01	0.1	17.328
FEH: 30 years: +40 %: 8640 mins: Winter	0.01	0.1	18.144

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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	18.630
FEH: 30 years: +40 %: 10080 mins: Winter	0.01	0.1	18.390

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 4 Roof to S9: 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	0.04	20.1	8.721
FEH: 30 years: +40 %: 15 mins: Winter	0.04	18.9	8.724
FEH: 30 years: +40 %: 30 mins: Summer	0.04	13.1	11.382
FEH: 30 years: +40 %: 30 mins: Winter	0.04	12.3	11.376
FEH: 30 years: +40 %: 60 mins: Summer	0.04	11.4	14.244
FEH: 30 years: +40 %: 60 mins: Winter	0.04	9.2	14.238

FEH: 30 years: +40 %: 120 mins: Summer	0.04	7.9	16.734
FEH: 30 years: +40 %: 120 mins: Winter	0.04	5.7	16.722
FEH: 30 years: +40 %: 180 mins: Summer	0.04	6.2	18.396
FEH: 30 years: +40 %: 180 mins: Winter	0.04	4.3	18.396
FEH: 30 years: +40 %: 240 mins: Summer	0.04	5.1	19.674
FEH: 30 years: +40 %: 240 mins: Winter	0.04	3.4	19.680
FEH: 30 years: +40 %: 360 mins: Summer	0.04	3.8	21.666
FEH: 30 years: +40 %: 360 mins: Winter	0.04	2.5	21.660

FEH: 30 years: +40 %: 480 mins: Summer	0.04	3.2	23.214
FEH: 30 years: +40 %: 480 mins: Winter	0.04	2.0	23.232
FEH: 30 years: +40 %: 600 mins: Summer	0.04	2.7	24.510
FEH: 30 years: +40 %: 600 mins: Winter	0.04	1.7	24.486
FEH: 30 years: +40 %: 720 mins: Summer	0.04	2.3	25.656
FEH: 30 years: +40 %: 720 mins: Winter	0.04	1.5	25.620
FEH: 30 years: +40 %: 960 mins: Summer	0.04	1.9	27.582
FEH: 30 years: +40 %: 960 mins: Winter	0.04	1.2	27.522

FEH: 30 years: +40 %: 1440 mins: Summer	0.04	1.4	30.624
FEH: 30 years: +40 %: 1440 mins: Winter	0.04	0.9	30.672
FEH: 30 years: +40 %: 2160 mins: Summer	0.04	1.0	34.128
FEH: 30 years: +40 %: 2160 mins: Winter	0.04	0.7	34.170
FEH: 30 years: +40 %: 2880 mins: Summer	0.04	0.8	36.990
FEH: 30 years: +40 %: 2880 mins: Winter	0.04	0.5	37.044
FEH: 30 years: +40 %: 4320 mins: Summer	0.04	0.6	41.724

FEH: 30 years: +40 %: 4320 mins: Winter	0.04	0.4	41.556
FEH: 30 years: +40 %: 5760 mins: Summer	0.04	0.5	45.786
FEH: 30 years: +40 %: 5760 mins: Winter	0.04	0.3	46.014
FEH: 30 years: +40 %: 7200 mins: Summer	0.04	0.4	49.494
FEH: 30 years: +40 %: 7200 mins: Winter	0.04	0.3	49.590
FEH: 30 years: +40 %: 8640 mins: Summer	0.04	0.4	53.172
FEH: 30 years: +40 %: 8640 mins: Winter	0.04	0.3	53.094

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.04	0.4	56.136
FEH: 30 years: +40 %: 10080 mins: Winter	0.04	0.2	56.472

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 4 Roof S16: 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	0.69	378.1	164.213
FEH: 30 years: +40 %: 15 mins: Winter	0.69	354.9	164.216
FEH: 30 years: +40 %: 30 mins: Summer	0.69	247.4	214.278
FEH: 30 years: +40 %: 30 mins: Winter	0.69	232.1	214.272
FEH: 30 years: +40 %: 60 mins: Summer	0.69	214.6	268.177
FEH: 30 years: +40 %: 60 mins: Winter	0.69	172.6	268.173

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 120 mins: Summer	0.69	149.4	314.903
FEH: 30 years: +40 %: 120 mins: Winter	0.69	107.5	314.892
FEH: 30 years: +40 %: 180 mins: Summer	0.69	116.0	346.326
FEH: 30 years: +40 %: 180 mins: Winter	0.69	80.0	346.332
FEH: 30 years: +40 %: 240 mins: Summer	0.69	96.0	370.644
FEH: 30 years: +40 %: 240 mins: Winter	0.69	64.6	370.650
FEH: 30 years: +40 %: 360 mins: Summer	0.69	72.2	407.898
FEH: 30 years: +40 %: 360 mins: Winter	0.69	47.6	407.874

FEH: 30 years: +40 %: 480 mins: Summer	0.69	59.3	437.106
FEH: 30 years: +40 %: 480 mins: Winter	0.69	38.4	437.082
FEH: 30 years: +40 %: 600 mins: Summer	0.69	50.3	461.568
FEH: 30 years: +40 %: 600 mins: Winter	0.69	32.4	461.592
FEH: 30 years: +40 %: 720 mins: Summer	0.69	43.8	482.892
FEH: 30 years: +40 %: 720 mins: Winter	0.69	28.3	482.880
FEH: 30 years: +40 %: 960 mins: Summer	0.69	35.3	519.081
FEH: 30 years: +40 %: 960 mins: Winter	0.69	22.8	519.108

FEH: 30 years: +40 %: 1440 mins: Summer	0.69	26.2	576.816
FEH: 30 years: +40 %: 1440 mins: Winter	0.69	16.9	576.882
FEH: 30 years: +40 %: 2160 mins: Summer	0.69	19.4	642.996
FEH: 30 years: +40 %: 2160 mins: Winter	0.69	12.6	643.068
FEH: 30 years: +40 %: 2880 mins: Summer	0.69	15.8	696.846
FEH: 30 years: +40 %: 2880 mins: Winter	0.69	10.2	696.744
FEH: 30 years: +40 %: 4320 mins: Summer	0.69	11.9	786.018

FEH: 30 years: +40 %: 4320 mins: Winter	0.69	7.7	786.102
FEH: 30 years: +40 %: 5760 mins: Summer	0.69	9.8	862.542
FEH: 30 years: +40 %: 5760 mins: Winter	0.69	6.3	862.662
FEH: 30 years: +40 %: 7200 mins: Summer	0.69	8.5	932.760
FEH: 30 years: +40 %: 7200 mins: Winter	0.69	5.5	933.084
FEH: 30 years: +40 %: 8640 mins: Summer	0.69	7.6	998.964
FEH: 30 years: +40 %: 8640 mins: Winter	0.69	4.9	999.366

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.69	6.9	1062.594
FEH: 30 years: +40 %: 10080 mins: Winter	0.69	4.4	1062.750

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Unit 4 Roof S15: 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	0.23	128.1	55.645
FEH: 30 years: +40 %: 15 mins: Winter	0.23	120.3	55.645
FEH: 30 years: +40 %: 30 mins: Summer	0.23	83.8	72.606
FEH: 30 years: +40 %: 30 mins: Winter	0.23	78.7	72.606
FEH: 30 years: +40 %: 60 mins: Summer	0.23	72.7	90.870
FEH: 30 years: +40 %: 60 mins: Winter	0.23	58.5	90.875

FEH: 30 years: +40 %: 120 mins: Summer	0.23	50.6	106.704
FEH: 30 years: +40 %: 120 mins: Winter	0.23	36.4	106.698
FEH: 30 years: +40 %: 180 mins: Summer	0.23	39.3	117.354
FEH: 30 years: +40 %: 180 mins: Winter	0.23	27.1	117.354
FEH: 30 years: +40 %: 240 mins: Summer	0.23	32.5	125.604
FEH: 30 years: +40 %: 240 mins: Winter	0.23	21.9	125.604
FEH: 30 years: +40 %: 360 mins: Summer	0.23	24.5	138.210
FEH: 30 years: +40 %: 360 mins: Winter	0.23	16.1	138.198

FEH: 30 years: +40 %: 480 mins: Summer	0.23	20.1	148.080
FEH: 30 years: +40 %: 480 mins: Winter	0.23	13.0	148.104
FEH: 30 years: +40 %: 600 mins: Summer	0.23	17.0	156.402
FEH: 30 years: +40 %: 600 mins: Winter	0.23	11.0	156.408
FEH: 30 years: +40 %: 720 mins: Summer	0.23	14.9	163.650
FEH: 30 years: +40 %: 720 mins: Winter	0.23	9.6	163.620
FEH: 30 years: +40 %: 960 mins: Summer	0.23	12.0	175.896
FEH: 30 years: +40 %: 960 mins: Winter	0.23	7.7	175.878

FEH: 30 years: +40 %: 1440 mins: Summer	0.23	8.9	195.480
FEH: 30 years: +40 %: 1440 mins: Winter	0.23	5.7	195.438
FEH: 30 years: +40 %: 2160 mins: Summer	0.23	6.6	217.914
FEH: 30 years: +40 %: 2160 mins: Winter	0.23	4.3	217.884
FEH: 30 years: +40 %: 2880 mins: Summer	0.23	5.4	236.124
FEH: 30 years: +40 %: 2880 mins: Winter	0.23	3.5	236.208
FEH: 30 years: +40 %: 4320 mins: Summer	0.23	4.0	266.316

FEH: 30 years: +40 %: 4320 mins: Winter	0.23	2.6	266.238
FEH: 30 years: +40 %: 5760 mins: Summer	0.23	3.3	292.434
FEH: 30 years: +40 %: 5760 mins: Winter	0.23	2.1	292.572
FEH: 30 years: +40 %: 7200 mins: Summer	0.23	2.9	316.140
FEH: 30 years: +40 %: 7200 mins: Winter	0.23	1.9	316.344
FEH: 30 years: +40 %: 8640 mins: Summer	0.23	2.6	338.622
FEH: 30 years: +40 %: 8640 mins: Winter	0.23	1.6	338.526

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Summer	0.23	2.3	359.862
FEH: 30 years: +40 %: 10080 mins: Winter	0.23	1.5	360.165

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Rear Footpath: 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	22.3	9.702
FEH: 100 years: +45 %: 15 mins: Winter	0.03	21.0	9.702
FEH: 100 years: +45 %: 30 mins: Summer	0.03	14.8	12.780
FEH: 100 years: +45 %: 30 mins: Winter	0.03	13.8	12.780
FEH: 100 years: +45 %: 60 mins: Summer	0.03	12.8	16.044
FEH: 100 years: +45 %: 60 mins: Winter	0.03	10.3	16.044

FEH: 100 years: +45 %: 120 mins: Summer	0.03	8.8	18.576
FEH: 100 years: +45 %: 120 mins: Winter	0.03	6.3	18.576
FEH: 100 years: +45 %: 180 mins: Summer	0.03	6.8	20.304
FEH: 100 years: +45 %: 180 mins: Winter	0.03	4.7	20.304
FEH: 100 years: +45 %: 240 mins: Summer	0.03	5.6	21.654
FEH: 100 years: +45 %: 240 mins: Winter	0.03	3.8	21.648
FEH: 100 years: +45 %: 360 mins: Summer	0.03	4.2	23.796
FEH: 100 years: +45 %: 360 mins: Winter	0.03	2.8	23.772

FEH: 100 years: +45 %: 480 mins: Summer	0.03	3.5	25.488
FEH: 100 years: +45 %: 480 mins: Winter	0.03	2.2	25.458
FEH: 100 years: +45 %: 600 mins: Summer	0.03	2.9	26.922
FEH: 100 years: +45 %: 600 mins: Winter	0.03	1.9	26.874
FEH: 100 years: +45 %: 720 mins: Summer	0.03	2.6	28.188
FEH: 100 years: +45 %: 720 mins: Winter	0.03	1.6	28.170
FEH: 100 years: +45 %: 960 mins: Summer	0.03	2.1	30.312
FEH: 100 years: +45 %: 960 mins: Winter	0.03	1.3	30.306

FEH: 100 years: +45 %: 1440 mins: Summer	0.03	1.5	33.708
FEH: 100 years: +45 %: 1440 mins: Winter	0.03	1.0	33.648
FEH: 100 years: +45 %: 2160 mins: Summer	0.03	1.1	37.530
FEH: 100 years: +45 %: 2160 mins: Winter	0.03	0.7	37.560
FEH: 100 years: +45 %: 2880 mins: Summer	0.03	0.9	40.524
FEH: 100 years: +45 %: 2880 mins: Winter	0.03	0.6	40.440
FEH: 100 years: +45 %: 4320 mins: Summer	0.03	0.7	45.456

FEH: 100 years: +45 %: 4320 mins: Winter	0.03	0.4	45.498
FEH: 100 years: +45 %: 5760 mins: Summer	0.03	0.6	49.410
FEH: 100 years: +45 %: 5760 mins: Winter	0.03	0.4	49.344
FEH: 100 years: +45 %: 7200 mins: Summer	0.03	0.5	52.944
FEH: 100 years: +45 %: 7200 mins: Winter	0.03	0.3	52.686
FEH: 100 years: +45 %: 8640 mins: Summer	0.03	0.4	56.394
FEH: 100 years: +45 %: 8640 mins: Winter	0.03	0.3	55.998

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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	59.154
FEH: 100 years: +45 %: 10080 mins: Winter	0.03	0.3	58.920

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Loading Area 1: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 100 years: +45 %: 15 mins: Summer	0.24	170.6	74.071
FEH: 100 years: +45 %: 15 mins: Winter	0.24	160.1	74.073
FEH: 100 years: +45 %: 30 mins: Summer	0.24	112.6	97.573
FEH: 100 years: +45 %: 30 mins: Winter	0.24	105.7	97.573
FEH: 100 years: +45 %: 60 mins: Summer	0.24	98.0	122.466
FEH: 100 years: +45 %: 60 mins: Winter	0.24	78.8	122.472

FEH: 100 years: +45 %: 120 mins: Summer	0.24	67.3	141.839
FEH: 100 years: +45 %: 120 mins: Winter	0.24	48.4	141.833
FEH: 100 years: +45 %: 180 mins: Summer	0.24	51.9	154.964
FEH: 100 years: +45 %: 180 mins: Winter	0.24	35.8	154.962
FEH: 100 years: +45 %: 240 mins: Summer	0.24	42.8	165.276
FEH: 100 years: +45 %: 240 mins: Winter	0.24	28.8	165.264
FEH: 100 years: +45 %: 360 mins: Summer	0.24	32.1	181.524
FEH: 100 years: +45 %: 360 mins: Winter	0.24	21.2	181.536

FEH: 100 years: +45 %: 480 mins: Summer	0.24	26.4	194.478
FEH: 100 years: +45 %: 480 mins: Winter	0.24	17.1	194.490
FEH: 100 years: +45 %: 600 mins: Summer	0.24	22.4	205.434
FEH: 100 years: +45 %: 600 mins: Winter	0.24	14.4	205.464
FEH: 100 years: +45 %: 720 mins: Summer	0.24	19.5	215.028
FEH: 100 years: +45 %: 720 mins: Winter	0.24	12.6	215.037
FEH: 100 years: +45 %: 960 mins: Summer	0.24	15.8	231.480
FEH: 100 years: +45 %: 960 mins: Winter	0.24	10.2	231.432

FEH: 100 years: +45 %: 1440 mins: Summer	0.24	11.7	257.256
FEH: 100 years: +45 %: 1440 mins: Winter	0.24	7.5	257.298
FEH: 100 years: +45 %: 2160 mins: Summer	0.24	8.7	286.386
FEH: 100 years: +45 %: 2160 mins: Winter	0.24	5.6	286.344
FEH: 100 years: +45 %: 2880 mins: Summer	0.24	7.0	309.390
FEH: 100 years: +45 %: 2880 mins: Winter	0.24	4.5	309.435
FEH: 100 years: +45 %: 4320 mins: Summer	0.24	5.2	345.816

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 4320 mins: Winter	0.24	3.4	345.984
FEH: 100 years: +45 %: 5760 mins: Summer	0.24	4.3	376.302
FEH: 100 years: +45 %: 5760 mins: Winter	0.24	2.8	376.428
FEH: 100 years: +45 %: 7200 mins: Summer	0.24	3.7	403.572
FEH: 100 years: +45 %: 7200 mins: Winter	0.24	2.4	403.656
FEH: 100 years: +45 %: 8640 mins: Summer	0.24	3.2	428.916
FEH: 100 years: +45 %: 8640 mins: Winter	0.24	2.1	428.754

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.24	2.9	452.778
FEH: 100 years: +45 %: 10080 mins: Winter	0.24	1.9	452.430

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Dock Levellers: 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	0.06	40.8	17.718
FEH: 100 years: +45 %: 15 mins: Winter	0.06	38.3	17.712
FEH: 100 years: +45 %: 30 mins: Summer	0.06	26.9	23.334
FEH: 100 years: +45 %: 30 mins: Winter	0.06	25.3	23.334
FEH: 100 years: +45 %: 60 mins: Summer	0.06	23.4	29.286
FEH: 100 years: +45 %: 60 mins: Winter	0.06	18.9	29.286

FEH: 100 years: +45 %: 120 mins: Summer	0.06	16.1	33.918
FEH: 100 years: +45 %: 120 mins: Winter	0.06	11.6	33.918
FEH: 100 years: +45 %: 180 mins: Summer	0.06	12.4	37.049
FEH: 100 years: +45 %: 180 mins: Winter	0.06	8.6	37.074
FEH: 100 years: +45 %: 240 mins: Summer	0.06	10.2	39.534
FEH: 100 years: +45 %: 240 mins: Winter	0.06	6.9	39.528
FEH: 100 years: +45 %: 360 mins: Summer	0.06	7.7	43.410
FEH: 100 years: +45 %: 360 mins: Winter	0.06	5.1	43.404

FEH: 100 years: +45 %: 480 mins: Summer	0.06	6.3	46.512
FEH: 100 years: +45 %: 480 mins: Winter	0.06	4.1	46.512
FEH: 100 years: +45 %: 600 mins: Summer	0.06	5.4	49.131
FEH: 100 years: +45 %: 600 mins: Winter	0.06	3.5	49.134
FEH: 100 years: +45 %: 720 mins: Summer	0.06	4.7	51.408
FEH: 100 years: +45 %: 720 mins: Winter	0.06	3.0	51.444
FEH: 100 years: +45 %: 960 mins: Summer	0.06	3.8	55.392
FEH: 100 years: +45 %: 960 mins: Winter	0.06	2.4	55.356

FEH: 100 years: +45 %: 1440 mins: Summer	0.06	2.8	61.542
FEH: 100 years: +45 %: 1440 mins: Winter	0.06	1.8	61.590
FEH: 100 years: +45 %: 2160 mins: Summer	0.06	2.1	68.430
FEH: 100 years: +45 %: 2160 mins: Winter	0.06	1.3	68.508
FEH: 100 years: +45 %: 2880 mins: Summer	0.06	1.7	73.950
FEH: 100 years: +45 %: 2880 mins: Winter	0.06	1.1	73.950
FEH: 100 years: +45 %: 4320 mins: Summer	0.06	1.3	82.674

FEH: 100 years: +45 %: 4320 mins: Winter	0.06	0.8	82.674
FEH: 100 years: +45 %: 5760 mins: Summer	0.06	1.0	90.054
FEH: 100 years: +45 %: 5760 mins: Winter	0.06	0.7	90.102
FEH: 100 years: +45 %: 7200 mins: Summer	0.06	0.9	96.330
FEH: 100 years: +45 %: 7200 mins: Winter	0.06	0.6	96.768
FEH: 100 years: +45 %: 8640 mins: Summer	0.06	0.8	102.636
FEH: 100 years: +45 %: 8640 mins: Winter	0.06	0.5	102.444

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 100 years: +45 %: 10080 mins: Summer	0.06	0.7	108.270
FEH: 100 years: +45 %: 10080 mins: Winter	0.06	0.4	108.588

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Loading Area 2: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 100 years: +45 %: 15 mins: Summer	0.30	208.1	90.370
FEH: 100 years: +45 %: 15 mins: Winter	0.30	195.3	90.367
FEH: 100 years: +45 %: 30 mins: Summer	0.30	137.4	119.041
FEH: 100 years: +45 %: 30 mins: Winter	0.30	129.0	119.041
FEH: 100 years: +45 %: 60 mins: Summer	0.30	119.6	149.413
FEH: 100 years: +45 %: 60 mins: Winter	0.30	96.2	149.418

FEH: 100 years: +45 %: 120 mins: Summer	0.30	82.1	173.021
FEH: 100 years: +45 %: 120 mins: Winter	0.30	59.1	173.033
FEH: 100 years: +45 %: 180 mins: Summer	0.30	63.3	189.038
FEH: 100 years: +45 %: 180 mins: Winter	0.30	43.7	189.030
FEH: 100 years: +45 %: 240 mins: Summer	0.30	52.3	201.630
FEH: 100 years: +45 %: 240 mins: Winter	0.30	35.1	201.639
FEH: 100 years: +45 %: 360 mins: Summer	0.30	39.2	221.466
FEH: 100 years: +45 %: 360 mins: Winter	0.30	25.8	221.454

FEH: 100 years: +45 %: 480 mins: Summer	0.30	32.2	237.288
FEH: 100 years: +45 %: 480 mins: Winter	0.30	20.8	237.264
FEH: 100 years: +45 %: 600 mins: Summer	0.30	27.3	250.656
FEH: 100 years: +45 %: 600 mins: Winter	0.30	17.6	250.644
FEH: 100 years: +45 %: 720 mins: Summer	0.30	23.8	262.362
FEH: 100 years: +45 %: 720 mins: Winter	0.30	15.4	262.326
FEH: 100 years: +45 %: 960 mins: Summer	0.30	19.2	282.330
FEH: 100 years: +45 %: 960 mins: Winter	0.30	12.4	282.324

FEH: 100 years: +45 %: 1440 mins: Summer	0.30	14.2	313.908
FEH: 100 years: +45 %: 1440 mins: Winter	0.30	9.2	313.962
FEH: 100 years: +45 %: 2160 mins: Summer	0.30	10.6	349.374
FEH: 100 years: +45 %: 2160 mins: Winter	0.30	6.8	349.416
FEH: 100 years: +45 %: 2880 mins: Summer	0.30	8.6	377.424
FEH: 100 years: +45 %: 2880 mins: Winter	0.30	5.5	377.484
FEH: 100 years: +45 %: 4320 mins: Summer	0.30	6.4	422.106

FEH: 100 years: +45 %: 4320 mins: Winter	0.30	4.1	422.178
FEH: 100 years: +45 %: 5760 mins: Summer	0.30	5.2	459.294
FEH: 100 years: +45 %: 5760 mins: Winter	0.30	3.4	459.036
FEH: 100 years: +45 %: 7200 mins: Summer	0.30	4.5	492.468
FEH: 100 years: +45 %: 7200 mins: Winter	0.30	2.9	492.630
FEH: 100 years: +45 %: 8640 mins: Summer	0.30	4.0	522.666
FEH: 100 years: +45 %: 8640 mins: Winter	0.30	2.6	523.170

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.30	3.6	552.426
FEH: 100 years: +45 %: 10080 mins: Winter	0.30	2.3	553.014

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Cycle Store: 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	0.04	30.8	13.392
FEH: 100 years: +45 %: 15 mins: Winter	0.04	28.9	13.392
FEH: 100 years: +45 %: 30 mins: Summer	0.04	20.4	17.634
FEH: 100 years: +45 %: 30 mins: Winter	0.04	19.1	17.640
FEH: 100 years: +45 %: 60 mins: Summer	0.04	17.7	22.146
FEH: 100 years: +45 %: 60 mins: Winter	0.04	14.3	22.146

FEH: 100 years: +45 %: 120 mins: Summer	0.04	12.2	25.650
FEH: 100 years: +45 %: 120 mins: Winter	0.04	8.8	25.644
FEH: 100 years: +45 %: 180 mins: Summer	0.04	9.4	28.013
FEH: 100 years: +45 %: 180 mins: Winter	0.04	6.5	28.020
FEH: 100 years: +45 %: 240 mins: Summer	0.04	7.7	29.874
FEH: 100 years: +45 %: 240 mins: Winter	0.04	5.2	29.886
FEH: 100 years: +45 %: 360 mins: Summer	0.04	5.8	32.808
FEH: 100 years: +45 %: 360 mins: Winter	0.04	3.8	32.826

FEH: 100 years: +45 %: 480 mins: Summer	0.04	4.8	35.166
FEH: 100 years: +45 %: 480 mins: Winter	0.04	3.1	35.142
FEH: 100 years: +45 %: 600 mins: Summer	0.04	4.0	37.122
FEH: 100 years: +45 %: 600 mins: Winter	0.04	2.6	37.122
FEH: 100 years: +45 %: 720 mins: Summer	0.04	3.5	38.868
FEH: 100 years: +45 %: 720 mins: Winter	0.04	2.3	38.880
FEH: 100 years: +45 %: 960 mins: Summer	0.04	2.9	41.850
FEH: 100 years: +45 %: 960 mins: Winter	0.04	1.8	41.802

FEH: 100 years: +45 %: 1440 mins: Summer	0.04	2.1	46.512
FEH: 100 years: +45 %: 1440 mins: Winter	0.04	1.4	46.536
FEH: 100 years: +45 %: 2160 mins: Summer	0.04	1.6	51.804
FEH: 100 years: +45 %: 2160 mins: Winter	0.04	1.0	51.792
FEH: 100 years: +45 %: 2880 mins: Summer	0.04	1.3	55.974
FEH: 100 years: +45 %: 2880 mins: Winter	0.04	0.8	55.848
FEH: 100 years: +45 %: 4320 mins: Summer	0.04	0.9	62.526

FEH: 100 years: +45 %: 4320 mins: Winter	0.04	0.6	62.724
FEH: 100 years: +45 %: 5760 mins: Summer	0.04	0.8	67.890
FEH: 100 years: +45 %: 5760 mins: Winter	0.04	0.5	68.220
FEH: 100 years: +45 %: 7200 mins: Summer	0.04	0.7	72.936
FEH: 100 years: +45 %: 7200 mins: Winter	0.04	0.4	73.182
FEH: 100 years: +45 %: 8640 mins: Summer	0.04	0.6	77.658
FEH: 100 years: +45 %: 8640 mins: Winter	0.04	0.4	77.766

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.04	0.5	81.882
FEH: 100 years: +45 %: 10080 mins: Winter	0.04	0.3	81.534

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: 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	0.33	230.1	99.916
FEH: 100 years: +45 %: 15 mins: Winter	0.33	216.0	99.913
FEH: 100 years: +45 %: 30 mins: Summer	0.33	151.9	131.611
FEH: 100 years: +45 %: 30 mins: Winter	0.33	142.6	131.611
FEH: 100 years: +45 %: 60 mins: Summer	0.33	132.2	165.205
FEH: 100 years: +45 %: 60 mins: Winter	0.33	106.3	165.204

FEH: 100 years: +45 %: 120 mins: Summer	0.33	90.8	191.303
FEH: 100 years: +45 %: 120 mins: Winter	0.33	65.3	191.315
FEH: 100 years: +45 %: 180 mins: Summer	0.33	70.0	209.029
FEH: 100 years: +45 %: 180 mins: Winter	0.33	48.3	209.010
FEH: 100 years: +45 %: 240 mins: Summer	0.33	57.8	222.941
FEH: 100 years: +45 %: 240 mins: Winter	0.33	38.8	222.930
FEH: 100 years: +45 %: 360 mins: Summer	0.33	43.4	244.866
FEH: 100 years: +45 %: 360 mins: Winter	0.33	28.6	244.866

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 480 mins: Summer	0.33	35.6	262.338
FEH: 100 years: +45 %: 480 mins: Winter	0.33	23.0	262.359
FEH: 100 years: +45 %: 600 mins: Summer	0.33	30.2	277.122
FEH: 100 years: +45 %: 600 mins: Winter	0.33	19.5	277.116
FEH: 100 years: +45 %: 720 mins: Summer	0.33	26.3	290.028
FEH: 100 years: +45 %: 720 mins: Winter	0.33	17.0	290.070
FEH: 100 years: +45 %: 960 mins: Summer	0.33	21.2	312.180
FEH: 100 years: +45 %: 960 mins: Winter	0.33	13.7	312.168

FEH: 100 years: +45 %: 1440 mins: Summer	0.33	15.8	347.172
FEH: 100 years: +45 %: 1440 mins: Winter	0.33	10.2	347.088
FEH: 100 years: +45 %: 2160 mins: Summer	0.33	11.7	386.184
FEH: 100 years: +45 %: 2160 mins: Winter	0.33	7.5	386.256
FEH: 100 years: +45 %: 2880 mins: Summer	0.33	9.5	417.390
FEH: 100 years: +45 %: 2880 mins: Winter	0.33	6.1	417.486
FEH: 100 years: +45 %: 4320 mins: Summer	0.33	7.1	466.686

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 4320 mins: Winter	0.33	4.6	466.956
FEH: 100 years: +45 %: 5760 mins: Summer	0.33	5.8	507.756
FEH: 100 years: +45 %: 5760 mins: Winter	0.33	3.7	507.828
FEH: 100 years: +45 %: 7200 mins: Summer	0.33	4.9	544.482
FEH: 100 years: +45 %: 7200 mins: Winter	0.33	3.2	544.236
FEH: 100 years: +45 %: 8640 mins: Summer	0.33	4.4	578.532
FEH: 100 years: +45 %: 8640 mins: Winter	0.33	2.8	578.322

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.33	4.0	610.620
FEH: 100 years: +45 %: 10080 mins: Winter	0.33	2.6	611.214

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: 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	0.04	25.3	11.004
FEH: 100 years: +45 %: 15 mins: Winter	0.04	23.8	11.004
FEH: 100 years: +45 %: 30 mins: Summer	0.04	16.7	14.496
FEH: 100 years: +45 %: 30 mins: Winter	0.04	15.7	14.490
FEH: 100 years: +45 %: 60 mins: Summer	0.04	14.6	18.192
FEH: 100 years: +45 %: 60 mins: Winter	0.04	11.7	18.192

FEH: 100 years: +45 %: 120 mins: Summer	0.04	10.0	21.066
FEH: 100 years: +45 %: 120 mins: Winter	0.04	7.2	21.060
FEH: 100 years: +45 %: 180 mins: Summer	0.04	7.7	23.027
FEH: 100 years: +45 %: 180 mins: Winter	0.04	5.3	23.010
FEH: 100 years: +45 %: 240 mins: Summer	0.04	6.4	24.546
FEH: 100 years: +45 %: 240 mins: Winter	0.04	4.3	24.546
FEH: 100 years: +45 %: 360 mins: Summer	0.04	4.8	26.952
FEH: 100 years: +45 %: 360 mins: Winter	0.04	3.2	26.970

FEH: 100 years: +45 %: 480 mins: Summer	0.04	3.9	28.884
FEH: 100 years: +45 %: 480 mins: Winter	0.04	2.5	28.914
FEH: 100 years: +45 %: 600 mins: Summer	0.04	3.3	30.498
FEH: 100 years: +45 %: 600 mins: Winter	0.04	2.1	30.516
FEH: 100 years: +45 %: 720 mins: Summer	0.04	2.9	31.932
FEH: 100 years: +45 %: 720 mins: Winter	0.04	1.9	31.944
FEH: 100 years: +45 %: 960 mins: Summer	0.04	2.3	34.362
FEH: 100 years: +45 %: 960 mins: Winter	0.04	1.5	34.398

FEH: 100 years: +45 %: 1440 mins: Summer	0.04	1.7	38.226
FEH: 100 years: +45 %: 1440 mins: Winter	0.04	1.1	38.238
FEH: 100 years: +45 %: 2160 mins: Summer	0.04	1.3	42.504
FEH: 100 years: +45 %: 2160 mins: Winter	0.04	0.8	42.630
FEH: 100 years: +45 %: 2880 mins: Summer	0.04	1.0	45.894
FEH: 100 years: +45 %: 2880 mins: Winter	0.04	0.7	45.996
FEH: 100 years: +45 %: 4320 mins: Summer	0.04	0.8	51.480

FEH: 100 years: +45 %: 4320 mins: Winter	0.04	0.5	51.336
FEH: 100 years: +45 %: 5760 mins: Summer	0.04	0.6	55.986
FEH: 100 years: +45 %: 5760 mins: Winter	0.04	0.4	55.632
FEH: 100 years: +45 %: 7200 mins: Summer	0.04	0.5	60.138
FEH: 100 years: +45 %: 7200 mins: Winter	0.04	0.3	59.622
FEH: 100 years: +45 %: 8640 mins: Summer	0.04	0.5	63.756
FEH: 100 years: +45 %: 8640 mins: Winter	0.04	0.3	63.450

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.04	0.4	67.266
FEH: 100 years: +45 %: 10080 mins: Winter	0.04	0.3	67.146

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Foot Path North: 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	8.7	3.780
FEH: 100 years: +45 %: 15 mins: Winter	0.01	8.2	3.777
FEH: 100 years: +45 %: 30 mins: Summer	0.01	5.7	4.974
FEH: 100 years: +45 %: 30 mins: Winter	0.01	5.4	4.974
FEH: 100 years: +45 %: 60 mins: Summer	0.01	5.0	6.246
FEH: 100 years: +45 %: 60 mins: Winter	0.01	4.0	6.246

FEH: 100 years: +45 %: 120 mins: Summer	0.01	3.4	7.224
FEH: 100 years: +45 %: 120 mins: Winter	0.01	2.5	7.236
FEH: 100 years: +45 %: 180 mins: Summer	0.01	2.6	7.908
FEH: 100 years: +45 %: 180 mins: Winter	0.01	1.8	7.896
FEH: 100 years: +45 %: 240 mins: Summer	0.01	2.2	8.418
FEH: 100 years: +45 %: 240 mins: Winter	0.01	1.5	8.436
FEH: 100 years: +45 %: 360 mins: Summer	0.01	1.6	9.252
FEH: 100 years: +45 %: 360 mins: Winter	0.01	1.1	9.264

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 480 mins: Summer	0.01	1.4	9.924
FEH: 100 years: +45 %: 480 mins: Winter	0.01	0.9	9.888
FEH: 100 years: +45 %: 600 mins: Summer	0.01	1.1	10.476
FEH: 100 years: +45 %: 600 mins: Winter	0.01	0.7	10.488
FEH: 100 years: +45 %: 720 mins: Summer	0.01	1.0	10.962
FEH: 100 years: +45 %: 720 mins: Winter	0.01	0.6	10.932
FEH: 100 years: +45 %: 960 mins: Summer	0.01	0.8	11.802
FEH: 100 years: +45 %: 960 mins: Winter	0.01	0.5	11.772

FEH: 100 years: +45 %: 1440 mins: Summer	0.01	0.6	13.164
FEH: 100 years: +45 %: 1440 mins: Winter	0.01	0.4	13.170
FEH: 100 years: +45 %: 2160 mins: Summer	0.01	0.4	14.616
FEH: 100 years: +45 %: 2160 mins: Winter	0.01	0.3	14.622
FEH: 100 years: +45 %: 2880 mins: Summer	0.01	0.4	15.726
FEH: 100 years: +45 %: 2880 mins: Winter	0.01	0.2	15.702
FEH: 100 years: +45 %: 4320 mins: Summer	0.01	0.3	17.592

FEH: 100 years: +45 %: 4320 mins: Winter	0.01	0.2	17.526
FEH: 100 years: +45 %: 5760 mins: Summer	0.01	0.2	19.290
FEH: 100 years: +45 %: 5760 mins: Winter	0.01	0.1	19.008
FEH: 100 years: +45 %: 7200 mins: Summer	0.01	0.2	20.832
FEH: 100 years: +45 %: 7200 mins: Winter	0.01	0.1	20.556
FEH: 100 years: +45 %: 8640 mins: Summer	0.01	0.2	22.182
FEH: 100 years: +45 %: 8640 mins: Winter	0.01	0.1	22.080

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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	22.746
FEH: 100 years: +45 %: 10080 mins: Winter	0.01	0.1	23.460

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof to S9: 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	0.04	25.9	11.265
FEH: 100 years: +45 %: 15 mins: Winter	0.04	24.4	11.265
FEH: 100 years: +45 %: 30 mins: Summer	0.04	17.1	14.844
FEH: 100 years: +45 %: 30 mins: Winter	0.04	16.1	14.844
FEH: 100 years: +45 %: 60 mins: Summer	0.04	14.9	18.630
FEH: 100 years: +45 %: 60 mins: Winter	0.04	12.0	18.624

FEH: 100 years: +45 %: 120 mins: Summer	0.04	10.2	21.570
FEH: 100 years: +45 %: 120 mins: Winter	0.04	7.4	21.570
FEH: 100 years: +45 %: 180 mins: Summer	0.04	7.9	23.561
FEH: 100 years: +45 %: 180 mins: Winter	0.04	5.4	23.562
FEH: 100 years: +45 %: 240 mins: Summer	0.04	6.5	25.146
FEH: 100 years: +45 %: 240 mins: Winter	0.04	4.4	25.134
FEH: 100 years: +45 %: 360 mins: Summer	0.04	4.9	27.606
FEH: 100 years: +45 %: 360 mins: Winter	0.04	3.2	27.618

FEH: 100 years: +45 %: 480 mins: Summer	0.04	4.0	29.586
FEH: 100 years: +45 %: 480 mins: Winter	0.04	2.6	29.598
FEH: 100 years: +45 %: 600 mins: Summer	0.04	3.4	31.254
FEH: 100 years: +45 %: 600 mins: Winter	0.04	2.2	31.272
FEH: 100 years: +45 %: 720 mins: Summer	0.04	3.0	32.724
FEH: 100 years: +45 %: 720 mins: Winter	0.04	1.9	32.712
FEH: 100 years: +45 %: 960 mins: Summer	0.04	2.4	35.196
FEH: 100 years: +45 %: 960 mins: Winter	0.04	1.6	35.220

FEH: 100 years: +45 %: 1440 mins: Summer	0.04	1.8	39.138
FEH: 100 years: +45 %: 1440 mins: Winter	0.04	1.1	39.108
FEH: 100 years: +45 %: 2160 mins: Summer	0.04	1.3	43.512
FEH: 100 years: +45 %: 2160 mins: Winter	0.04	0.9	43.470
FEH: 100 years: +45 %: 2880 mins: Summer	0.04	1.1	47.130
FEH: 100 years: +45 %: 2880 mins: Winter	0.04	0.7	47.034
FEH: 100 years: +45 %: 4320 mins: Summer	0.04	0.8	52.758

FEH: 100 years: +45 %: 4320 mins: Winter	0.04	0.5	52.620
FEH: 100 years: +45 %: 5760 mins: Summer	0.04	0.6	57.054
FEH: 100 years: +45 %: 5760 mins: Winter	0.04	0.4	56.976
FEH: 100 years: +45 %: 7200 mins: Summer	0.04	0.6	61.596
FEH: 100 years: +45 %: 7200 mins: Winter	0.04	0.4	61.416
FEH: 100 years: +45 %: 8640 mins: Summer	0.04	0.5	65.124
FEH: 100 years: +45 %: 8640 mins: Winter	0.04	0.3	65.418

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.04	0.4	68.724
FEH: 100 years: +45 %: 10080 mins: Winter	0.04	0.3	68.832

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof S16: 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	0.69	488.6	212.167
FEH: 100 years: +45 %: 15 mins: Winter	0.69	458.6	212.167
FEH: 100 years: +45 %: 30 mins: Summer	0.69	322.6	279.477
FEH: 100 years: +45 %: 30 mins: Winter	0.69	302.8	279.476
FEH: 100 years: +45 %: 60 mins: Summer	0.69	280.7	350.803
FEH: 100 years: +45 %: 60 mins: Winter	0.69	225.7	350.802

FEH: 100 years: +45 %: 120 mins: Summer	0.69	192.8	406.240
FEH: 100 years: +45 %: 120 mins: Winter	0.69	138.7	406.251
FEH: 100 years: +45 %: 180 mins: Summer	0.69	148.7	443.846
FEH: 100 years: +45 %: 180 mins: Winter	0.69	102.5	443.849
FEH: 100 years: +45 %: 240 mins: Summer	0.69	122.7	473.411
FEH: 100 years: +45 %: 240 mins: Winter	0.69	82.5	473.393
FEH: 100 years: +45 %: 360 mins: Summer	0.69	92.1	519.983
FEH: 100 years: +45 %: 360 mins: Winter	0.69	60.6	519.954

FEH: 100 years: +45 %: 480 mins: Summer	0.69	75.6	557.088
FEH: 100 years: +45 %: 480 mins: Winter	0.69	48.9	557.112
FEH: 100 years: +45 %: 600 mins: Summer	0.69	64.1	588.486
FEH: 100 years: +45 %: 600 mins: Winter	0.69	41.3	588.474
FEH: 100 years: +45 %: 720 mins: Summer	0.69	55.9	615.960
FEH: 100 years: +45 %: 720 mins: Winter	0.69	36.1	615.948
FEH: 100 years: +45 %: 960 mins: Summer	0.69	45.1	662.880
FEH: 100 years: +45 %: 960 mins: Winter	0.69	29.1	662.901

FEH: 100 years: +45 %: 1440 mins: Summer	0.69	33.4	737.004
FEH: 100 years: +45 %: 1440 mins: Winter	0.69	21.6	736.971
FEH: 100 years: +45 %: 2160 mins: Summer	0.69	24.8	820.266
FEH: 100 years: +45 %: 2160 mins: Winter	0.69	16.0	820.230
FEH: 100 years: +45 %: 2880 mins: Summer	0.69	20.1	886.338
FEH: 100 years: +45 %: 2880 mins: Winter	0.69	13.0	886.332
FEH: 100 years: +45 %: 4320 mins: Summer	0.69	15.0	991.014

FEH: 100 years: +45 %: 4320 mins: Winter	0.69	9.7	991.074
FEH: 100 years: +45 %: 5760 mins: Summer	0.69	12.2	1078.116
FEH: 100 years: +45 %: 5760 mins: Winter	0.69	7.9	1078.152
FEH: 100 years: +45 %: 7200 mins: Summer	0.69	10.5	1156.032
FEH: 100 years: +45 %: 7200 mins: Winter	0.69	6.8	1156.188
FEH: 100 years: +45 %: 8640 mins: Summer	0.69	9.3	1228.578
FEH: 100 years: +45 %: 8640 mins: Winter	0.69	6.0	1228.212

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.69	8.4	1297.434
FEH: 100 years: +45 %: 10080 mins: Winter	0.69	5.4	1297.644

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof S15: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 100 years: +45 %: 15 mins: Summer	0.23	165.5	71.890
FEH: 100 years: +45 %: 15 mins: Winter	0.23	155.4	71.895
FEH: 100 years: +45 %: 30 mins: Summer	0.23	109.3	94.699
FEH: 100 years: +45 %: 30 mins: Winter	0.23	102.6	94.699
FEH: 100 years: +45 %: 60 mins: Summer	0.23	95.1	118.866
FEH: 100 years: +45 %: 60 mins: Winter	0.23	76.5	118.866

FEH: 100 years: +45 %: 120 mins: Summer	0.23	65.3	137.651
FEH: 100 years: +45 %: 120 mins: Winter	0.23	47.0	137.657
FEH: 100 years: +45 %: 180 mins: Summer	0.23	50.4	150.398
FEH: 100 years: +45 %: 180 mins: Winter	0.23	34.7	150.399
FEH: 100 years: +45 %: 240 mins: Summer	0.23	41.6	160.410
FEH: 100 years: +45 %: 240 mins: Winter	0.23	28.0	160.404
FEH: 100 years: +45 %: 360 mins: Summer	0.23	31.2	176.184
FEH: 100 years: +45 %: 360 mins: Winter	0.23	20.5	176.190

FEH: 100 years: +45 %: 480 mins: Summer	0.23	25.6	188.760
FEH: 100 years: +45 %: 480 mins: Winter	0.23	16.6	188.742
FEH: 100 years: +45 %: 600 mins: Summer	0.23	21.7	199.398
FEH: 100 years: +45 %: 600 mins: Winter	0.23	14.0	199.404
FEH: 100 years: +45 %: 720 mins: Summer	0.23	18.9	208.728
FEH: 100 years: +45 %: 720 mins: Winter	0.23	12.2	208.710
FEH: 100 years: +45 %: 960 mins: Summer	0.23	15.3	224.628
FEH: 100 years: +45 %: 960 mins: Winter	0.23	9.9	224.616

FEH: 100 years: +45 %: 1440 mins: Summer	0.23	11.3	249.708
FEH: 100 years: +45 %: 1440 mins: Winter	0.23	7.3	249.750
FEH: 100 years: +45 %: 2160 mins: Summer	0.23	8.4	277.926
FEH: 100 years: +45 %: 2160 mins: Winter	0.23	5.4	277.968
FEH: 100 years: +45 %: 2880 mins: Summer	0.23	6.8	300.204
FEH: 100 years: +45 %: 2880 mins: Winter	0.23	4.4	300.348
FEH: 100 years: +45 %: 4320 mins: Summer	0.23	5.1	335.814

FEH: 100 years: +45 %: 4320 mins: Winter	0.23	3.3	336.066
FEH: 100 years: +45 %: 5760 mins: Summer	0.23	4.1	365.271
FEH: 100 years: +45 %: 5760 mins: Winter	0.23	2.7	365.562
FEH: 100 years: +45 %: 7200 mins: Summer	0.23	3.5	391.920
FEH: 100 years: +45 %: 7200 mins: Winter	0.23	2.3	391.638
FEH: 100 years: +45 %: 8640 mins: Summer	0.23	3.2	416.274
FEH: 100 years: +45 %: 8640 mins: Winter	0.23	2.0	416.376

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Summer	0.23	2.9	439.674
FEH: 100 years: +45 %: 10080 mins: Winter	0.23	1.8	439.338

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 200 years: +45 %: 15 mins: Summer	0.03	25.0	10.875
FEH: 200 years: +45 %: 15 mins: Winter	0.03	23.5	10.881
FEH: 200 years: +45 %: 30 mins: Summer	0.03	16.6	14.412
FEH: 200 years: +45 %: 30 mins: Winter	0.03	15.6	14.418
FEH: 200 years: +45 %: 60 mins: Summer	0.03	14.5	18.162
FEH: 200 years: +45 %: 60 mins: Winter	0.03	11.7	18.174

FEH: 200 years: +45 %: 120 mins: Summer	0.03	10.0	20.976
FEH: 200 years: +45 %: 120 mins: Winter	0.03	7.2	20.994
FEH: 200 years: +45 %: 180 mins: Summer	0.03	7.7	22.932
FEH: 200 years: +45 %: 180 mins: Winter	0.03	5.3	22.950
FEH: 200 years: +45 %: 240 mins: Summer	0.03	6.3	24.504
FEH: 200 years: +45 %: 240 mins: Winter	0.03	4.3	24.516
FEH: 200 years: +45 %: 360 mins: Summer	0.03	4.8	27.000
FEH: 200 years: +45 %: 360 mins: Winter	0.03	3.2	27.018

FEH: 200 years: +45 %: 480 mins: Summer	0.03	3.9	29.016
FEH: 200 years: +45 %: 480 mins: Winter	0.03	2.6	29.034
FEH: 200 years: +45 %: 600 mins: Summer	0.03	3.3	30.738
FEH: 200 years: +45 %: 600 mins: Winter	0.03	2.2	30.726
FEH: 200 years: +45 %: 720 mins: Summer	0.03	2.9	32.214
FEH: 200 years: +45 %: 720 mins: Winter	0.03	1.9	32.202
FEH: 200 years: +45 %: 960 mins: Summer	0.03	2.4	34.758
FEH: 200 years: +45 %: 960 mins: Winter	0.03	1.5	34.722

FEH: 200 years: +45 %: 1440 mins: Summer	0.03	1.8	38.652
FEH: 200 years: +45 %: 1440 mins: Winter	0.03	1.1	38.682
FEH: 200 years: +45 %: 2160 mins: Summer	0.03	1.3	42.990
FEH: 200 years: +45 %: 2160 mins: Winter	0.03	0.8	43.008
FEH: 200 years: +45 %: 2880 mins: Summer	0.03	1.0	46.254
FEH: 200 years: +45 %: 2880 mins: Winter	0.03	0.7	46.368
FEH: 200 years: +45 %: 4320 mins: Summer	0.03	0.8	51.528

FEH: 200 years: +45 %: 4320 mins: Winter	0.03	0.5	51.336
FEH: 200 years: +45 %: 5760 mins: Summer	0.03	0.6	55.572
FEH: 200 years: +45 %: 5760 mins: Winter	0.03	0.4	55.362
FEH: 200 years: +45 %: 7200 mins: Summer	0.03	0.5	59.430
FEH: 200 years: +45 %: 7200 mins: Winter	0.03	0.3	59.100
FEH: 200 years: +45 %: 8640 mins: Summer	0.03	0.5	62.400
FEH: 200 years: +45 %: 8640 mins: Winter	0.03	0.3	62.502

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 200 years: +45 %: 10080 mins: Summer	0.03	0.4	66.156
FEH: 200 years: +45 %: 10080 mins: Winter	0.03	0.3	65.922

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Loading Area 1: 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	0.24	191.2	83.037
FEH: 200 years: +45 %: 15 mins: Winter	0.24	179.5	83.040
FEH: 200 years: +45 %: 30 mins: Summer	0.24	127.0	110.053
FEH: 200 years: +45 %: 30 mins: Winter	0.24	119.2	110.059
FEH: 200 years: +45 %: 60 mins: Summer	0.24	111.0	138.703
FEH: 200 years: +45 %: 60 mins: Winter	0.24	89.3	138.709

FEH: 200 years: +45 %: 120 mins: Summer	0.24	76.0	160.176
FEH: 200 years: +45 %: 120 mins: Winter	0.24	54.7	160.176
FEH: 200 years: +45 %: 180 mins: Summer	0.24	58.7	175.122
FEH: 200 years: +45 %: 180 mins: Winter	0.24	40.4	175.134
FEH: 200 years: +45 %: 240 mins: Summer	0.24	48.5	187.086
FEH: 200 years: +45 %: 240 mins: Winter	0.24	32.6	187.086
FEH: 200 years: +45 %: 360 mins: Summer	0.24	36.5	206.238
FEH: 200 years: +45 %: 360 mins: Winter	0.24	24.1	206.256

FEH: 200 years: +45 %: 480 mins: Summer	0.24	30.1	221.580
FEH: 200 years: +45 %: 480 mins: Winter	0.24	19.4	221.598
FEH: 200 years: +45 %: 600 mins: Summer	0.24	25.5	234.576
FEH: 200 years: +45 %: 600 mins: Winter	0.24	16.5	234.564
FEH: 200 years: +45 %: 720 mins: Summer	0.24	22.3	245.898
FEH: 200 years: +45 %: 720 mins: Winter	0.24	14.4	245.934
FEH: 200 years: +45 %: 960 mins: Summer	0.24	18.0	265.176
FEH: 200 years: +45 %: 960 mins: Winter	0.24	11.6	265.170

FEH: 200 years: +45 %: 1440 mins: Summer	0.24	13.4	295.182
FEH: 200 years: +45 %: 1440 mins: Winter	0.24	8.6	295.176
FEH: 200 years: +45 %: 2160 mins: Summer	0.24	9.9	327.924
FEH: 200 years: +45 %: 2160 mins: Winter	0.24	6.4	327.936
FEH: 200 years: +45 %: 2880 mins: Summer	0.24	8.0	353.310
FEH: 200 years: +45 %: 2880 mins: Winter	0.24	5.2	353.220
FEH: 200 years: +45 %: 4320 mins: Summer	0.24	5.9	392.604

FEH: 200 years: +45 %: 4320 mins: Winter	0.24	3.8	392.352
FEH: 200 years: +45 %: 5760 mins: Summer	0.24	4.8	424.464
FEH: 200 years: +45 %: 5760 mins: Winter	0.24	3.1	424.542
FEH: 200 years: +45 %: 7200 mins: Summer	0.24	4.1	452.646
FEH: 200 years: +45 %: 7200 mins: Winter	0.24	2.6	452.334
FEH: 200 years: +45 %: 8640 mins: Summer	0.24	3.6	477.876
FEH: 200 years: +45 %: 8640 mins: Winter	0.24	2.3	477.966

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 200 years: +45 %: 10080 mins: Summer	0.24	3.3	502.692
FEH: 200 years: +45 %: 10080 mins: Winter	0.24	2.1	502.578

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Dock Levellers: 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	0.06	45.7	19.863
FEH: 200 years: +45 %: 15 mins: Winter	0.06	42.9	19.857
FEH: 200 years: +45 %: 30 mins: Summer	0.06	30.4	26.322
FEH: 200 years: +45 %: 30 mins: Winter	0.06	28.5	26.322
FEH: 200 years: +45 %: 60 mins: Summer	0.06	26.6	33.174
FEH: 200 years: +45 %: 60 mins: Winter	0.06	21.4	33.180

FEH: 200 years: +45 %: 120 mins: Summer	0.06	18.2	38.304
FEH: 200 years: +45 %: 120 mins: Winter	0.06	13.1	38.316
FEH: 200 years: +45 %: 180 mins: Summer	0.06	14.0	41.892
FEH: 200 years: +45 %: 180 mins: Winter	0.06	9.7	41.892
FEH: 200 years: +45 %: 240 mins: Summer	0.06	11.6	44.748
FEH: 200 years: +45 %: 240 mins: Winter	0.06	7.8	44.724
FEH: 200 years: +45 %: 360 mins: Summer	0.06	8.7	49.326
FEH: 200 years: +45 %: 360 mins: Winter	0.06	5.8	49.338

FEH: 200 years: +45 %: 480 mins: Summer	0.06	7.2	52.998
FEH: 200 years: +45 %: 480 mins: Winter	0.06	4.7	52.992
FEH: 200 years: +45 %: 600 mins: Summer	0.06	6.1	56.118
FEH: 200 years: +45 %: 600 mins: Winter	0.06	3.9	56.070
FEH: 200 years: +45 %: 720 mins: Summer	0.06	5.3	58.830
FEH: 200 years: +45 %: 720 mins: Winter	0.06	3.4	58.836
FEH: 200 years: +45 %: 960 mins: Summer	0.06	4.3	63.420
FEH: 200 years: +45 %: 960 mins: Winter	0.06	2.8	63.426

FEH: 200 years: +45 %: 1440 mins: Summer	0.06	3.2	70.584
FEH: 200 years: +45 %: 1440 mins: Winter	0.06	2.1	70.584
FEH: 200 years: +45 %: 2160 mins: Summer	0.06	2.4	78.450
FEH: 200 years: +45 %: 2160 mins: Winter	0.06	1.5	78.510
FEH: 200 years: +45 %: 2880 mins: Summer	0.06	1.9	84.444
FEH: 200 years: +45 %: 2880 mins: Winter	0.06	1.2	84.570
FEH: 200 years: +45 %: 4320 mins: Summer	0.06	1.4	93.942

FEH: 200 years: +45 %: 4320 mins: Winter	0.06	0.9	93.780
FEH: 200 years: +45 %: 5760 mins: Summer	0.06	1.1	101.406
FEH: 200 years: +45 %: 5760 mins: Winter	0.06	0.7	101.460
FEH: 200 years: +45 %: 7200 mins: Summer	0.06	1.0	108.588
FEH: 200 years: +45 %: 7200 mins: Winter	0.06	0.6	107.934
FEH: 200 years: +45 %: 8640 mins: Summer	0.06	0.9	114.156
FEH: 200 years: +45 %: 8640 mins: Winter	0.06	0.6	114.582

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 200 years: +45 %: 10080 mins: Summer	0.06	0.8	120.450
FEH: 200 years: +45 %: 10080 mins: Winter	0.06	0.5	120.366

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Loading Area 2: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 200 years: +45 %: 15 mins: Summer	0.30	233.3	101.307
FEH: 200 years: +45 %: 15 mins: Winter	0.30	219.0	101.313
FEH: 200 years: +45 %: 30 mins: Summer	0.30	155.0	134.269
FEH: 200 years: +45 %: 30 mins: Winter	0.30	145.5	134.269
FEH: 200 years: +45 %: 60 mins: Summer	0.30	135.4	169.213
FEH: 200 years: +45 %: 60 mins: Winter	0.30	108.9	169.219

FEH: 200 years: +45 %: 120 mins: Summer	0.30	92.7	195.427
FEH: 200 years: +45 %: 120 mins: Winter	0.30	66.7	195.411
FEH: 200 years: +45 %: 180 mins: Summer	0.30	71.6	213.654
FEH: 200 years: +45 %: 180 mins: Winter	0.30	49.3	213.660
FEH: 200 years: +45 %: 240 mins: Summer	0.30	59.1	228.240
FEH: 200 years: +45 %: 240 mins: Winter	0.30	39.8	228.252
FEH: 200 years: +45 %: 360 mins: Summer	0.30	44.6	251.628
FEH: 200 years: +45 %: 360 mins: Winter	0.30	29.4	251.616

FEH: 200 years: +45 %: 480 mins: Summer	0.30	36.7	270.354
FEH: 200 years: +45 %: 480 mins: Winter	0.30	23.7	270.342
FEH: 200 years: +45 %: 600 mins: Summer	0.30	31.2	286.164
FEH: 200 years: +45 %: 600 mins: Winter	0.30	20.1	286.182
FEH: 200 years: +45 %: 720 mins: Summer	0.30	27.2	300.018
FEH: 200 years: +45 %: 720 mins: Winter	0.30	17.6	300.000
FEH: 200 years: +45 %: 960 mins: Summer	0.30	22.0	323.520
FEH: 200 years: +45 %: 960 mins: Winter	0.30	14.2	323.484

FEH: 200 years: +45 %: 1440 mins: Summer	0.30	16.3	360.138
FEH: 200 years: +45 %: 1440 mins: Winter	0.30	10.5	360.120
FEH: 200 years: +45 %: 2160 mins: Summer	0.30	12.1	400.086
FEH: 200 years: +45 %: 2160 mins: Winter	0.30	7.8	400.050
FEH: 200 years: +45 %: 2880 mins: Summer	0.30	9.8	431.046
FEH: 200 years: +45 %: 2880 mins: Winter	0.30	6.3	431.028
FEH: 200 years: +45 %: 4320 mins: Summer	0.30	7.2	478.794

FEH: 200 years: +45 %: 4320 mins: Winter	0.30	4.7	478.854
FEH: 200 years: +45 %: 5760 mins: Summer	0.30	5.9	517.512
FEH: 200 years: +45 %: 5760 mins: Winter	0.30	3.8	518.028
FEH: 200 years: +45 %: 7200 mins: Summer	0.30	5.0	551.772
FEH: 200 years: +45 %: 7200 mins: Winter	0.30	3.2	551.670
FEH: 200 years: +45 %: 8640 mins: Summer	0.30	4.4	583.506
FEH: 200 years: +45 %: 8640 mins: Winter	0.30	2.9	583.200

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 200 years: +45 %: 10080 mins: Summer	0.30	4.0	613.470
FEH: 200 years: +45 %: 10080 mins: Winter	0.30	2.6	613.038

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Cycle Store: 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	0.04	34.6	15.012
FEH: 200 years: +45 %: 15 mins: Winter	0.04	32.5	15.015
FEH: 200 years: +45 %: 30 mins: Summer	0.04	23.0	19.902
FEH: 200 years: +45 %: 30 mins: Winter	0.04	21.6	19.902
FEH: 200 years: +45 %: 60 mins: Summer	0.04	20.1	25.080
FEH: 200 years: +45 %: 60 mins: Winter	0.04	16.1	25.080

FEH: 200 years: +45 %: 120 mins: Summer	0.04	13.7	28.950
FEH: 200 years: +45 %: 120 mins: Winter	0.04	9.9	28.962
FEH: 200 years: +45 %: 180 mins: Summer	0.04	10.6	31.674
FEH: 200 years: +45 %: 180 mins: Winter	0.04	7.3	31.674
FEH: 200 years: +45 %: 240 mins: Summer	0.04	8.8	33.816
FEH: 200 years: +45 %: 240 mins: Winter	0.04	5.9	33.834
FEH: 200 years: +45 %: 360 mins: Summer	0.04	6.6	37.284
FEH: 200 years: +45 %: 360 mins: Winter	0.04	4.3	37.272

FEH: 200 years: +45 %: 480 mins: Summer	0.04	5.4	40.068
FEH: 200 years: +45 %: 480 mins: Winter	0.04	3.5	40.080
FEH: 200 years: +45 %: 600 mins: Summer	0.04	4.6	42.420
FEH: 200 years: +45 %: 600 mins: Winter	0.04	3.0	42.420
FEH: 200 years: +45 %: 720 mins: Summer	0.04	4.0	44.478
FEH: 200 years: +45 %: 720 mins: Winter	0.04	2.6	44.454
FEH: 200 years: +45 %: 960 mins: Summer	0.04	3.3	47.940
FEH: 200 years: +45 %: 960 mins: Winter	0.04	2.1	47.934

FEH: 200 years: +45 %: 1440 mins: Summer	0.04	2.4	53.352
FEH: 200 years: +45 %: 1440 mins: Winter	0.04	1.6	53.370
FEH: 200 years: +45 %: 2160 mins: Summer	0.04	1.8	59.268
FEH: 200 years: +45 %: 2160 mins: Winter	0.04	1.2	59.244
FEH: 200 years: +45 %: 2880 mins: Summer	0.04	1.4	63.894
FEH: 200 years: +45 %: 2880 mins: Winter	0.04	0.9	63.726
FEH: 200 years: +45 %: 4320 mins: Summer	0.04	1.1	70.926

FEH: 200 years: +45 %: 4320 mins: Winter	0.04	0.7	70.854
FEH: 200 years: +45 %: 5760 mins: Summer	0.04	0.9	76.770
FEH: 200 years: +45 %: 5760 mins: Winter	0.04	0.6	76.854
FEH: 200 years: +45 %: 7200 mins: Summer	0.04	0.7	81.876
FEH: 200 years: +45 %: 7200 mins: Winter	0.04	0.5	81.396
FEH: 200 years: +45 %: 8640 mins: Summer	0.04	0.6	86.766
FEH: 200 years: +45 %: 8640 mins: Winter	0.04	0.4	86.370

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 200 years: +45 %: 10080 mins: Summer	0.04	0.6	90.942
FEH: 200 years: +45 %: 10080 mins: Winter	0.04	0.4	90.864

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: 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	0.33	257.9	112.014
FEH: 200 years: +45 %: 15 mins: Winter	0.33	242.1	112.014
FEH: 200 years: +45 %: 30 mins: Summer	0.33	171.4	148.453
FEH: 200 years: +45 %: 30 mins: Winter	0.33	160.8	148.453
FEH: 200 years: +45 %: 60 mins: Summer	0.33	149.7	187.093
FEH: 200 years: +45 %: 60 mins: Winter	0.33	120.4	187.099

FEH: 200 years: +45 %: 120 mins: Summer	0.33	102.5	216.061
FEH: 200 years: +45 %: 120 mins: Winter	0.33	73.8	216.060
FEH: 200 years: +45 %: 180 mins: Summer	0.33	79.2	236.221
FEH: 200 years: +45 %: 180 mins: Winter	0.33	54.5	236.220
FEH: 200 years: +45 %: 240 mins: Summer	0.33	65.4	252.360
FEH: 200 years: +45 %: 240 mins: Winter	0.33	44.0	252.378
FEH: 200 years: +45 %: 360 mins: Summer	0.33	49.3	278.214
FEH: 200 years: +45 %: 360 mins: Winter	0.33	32.5	278.202

FEH: 200 years: +45 %: 480 mins: Summer	0.33	40.5	298.944
FEH: 200 years: +45 %: 480 mins: Winter	0.33	26.2	298.914
FEH: 200 years: +45 %: 600 mins: Summer	0.33	34.4	316.404
FEH: 200 years: +45 %: 600 mins: Winter	0.33	22.2	316.428
FEH: 200 years: +45 %: 720 mins: Summer	0.33	30.1	331.692
FEH: 200 years: +45 %: 720 mins: Winter	0.33	19.4	331.698
FEH: 200 years: +45 %: 960 mins: Summer	0.33	24.3	357.672
FEH: 200 years: +45 %: 960 mins: Winter	0.33	15.7	357.660

FEH: 200 years: +45 %: 1440 mins: Summer	0.33	18.1	398.190
FEH: 200 years: +45 %: 1440 mins: Winter	0.33	11.7	398.166
FEH: 200 years: +45 %: 2160 mins: Summer	0.33	13.4	442.308
FEH: 200 years: +45 %: 2160 mins: Winter	0.33	8.6	442.338
FEH: 200 years: +45 %: 2880 mins: Summer	0.33	10.8	476.496
FEH: 200 years: +45 %: 2880 mins: Winter	0.33	7.0	476.466
FEH: 200 years: +45 %: 4320 mins: Summer	0.33	8.0	529.464

FEH: 200 years: +45 %: 4320 mins: Winter	0.33	5.2	529.584
FEH: 200 years: +45 %: 5760 mins: Summer	0.33	6.5	572.520
FEH: 200 years: +45 %: 5760 mins: Winter	0.33	4.2	572.526
FEH: 200 years: +45 %: 7200 mins: Summer	0.33	5.5	610.236
FEH: 200 years: +45 %: 7200 mins: Winter	0.33	3.6	610.242
FEH: 200 years: +45 %: 8640 mins: Summer	0.33	4.9	645.210
FEH: 200 years: +45 %: 8640 mins: Winter	0.33	3.2	644.982

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.33	4.4	677.622
FEH: 200 years: +45 %: 10080 mins: Winter	0.33	2.8	678.090

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 200 years: +45 %: 15 mins: Summer	0.04	28.4	12.336
FEH: 200 years: +45 %: 15 mins: Winter	0.04	26.7	12.333
FEH: 200 years: +45 %: 30 mins: Summer	0.04	18.9	16.344
FEH: 200 years: +45 %: 30 mins: Winter	0.04	17.7	16.344
FEH: 200 years: +45 %: 60 mins: Summer	0.04	16.5	20.604
FEH: 200 years: +45 %: 60 mins: Winter	0.04	13.3	20.604

FEH: 200 years: +45 %: 120 mins: Summer	0.04	11.3	23.784
FEH: 200 years: +45 %: 120 mins: Winter	0.04	8.1	23.796
FEH: 200 years: +45 %: 180 mins: Summer	0.04	8.7	26.010
FEH: 200 years: +45 %: 180 mins: Winter	0.04	6.0	26.022
FEH: 200 years: +45 %: 240 mins: Summer	0.04	7.2	27.780
FEH: 200 years: +45 %: 240 mins: Winter	0.04	4.8	27.804
FEH: 200 years: +45 %: 360 mins: Summer	0.04	5.4	30.630
FEH: 200 years: +45 %: 360 mins: Winter	0.04	3.6	30.618

FEH: 200 years: +45 %: 480 mins: Summer	0.04	4.5	32.904
FEH: 200 years: +45 %: 480 mins: Winter	0.04	2.9	32.922
FEH: 200 years: +45 %: 600 mins: Summer	0.04	3.8	34.854
FEH: 200 years: +45 %: 600 mins: Winter	0.04	2.5	34.860
FEH: 200 years: +45 %: 720 mins: Summer	0.04	3.3	36.510
FEH: 200 years: +45 %: 720 mins: Winter	0.04	2.1	36.552
FEH: 200 years: +45 %: 960 mins: Summer	0.04	2.7	39.390
FEH: 200 years: +45 %: 960 mins: Winter	0.04	1.7	39.354

FEH: 200 years: +45 %: 1440 mins: Summer	0.04	2.0	43.836
FEH: 200 years: +45 %: 1440 mins: Winter	0.04	1.3	43.884
FEH: 200 years: +45 %: 2160 mins: Summer	0.04	1.5	48.696
FEH: 200 years: +45 %: 2160 mins: Winter	0.04	0.9	48.768
FEH: 200 years: +45 %: 2880 mins: Summer	0.04	1.2	52.530
FEH: 200 years: +45 %: 2880 mins: Winter	0.04	0.8	52.518
FEH: 200 years: +45 %: 4320 mins: Summer	0.04	0.9	58.272

FEH: 200 years: +45 %: 4320 mins: Winter	0.04	0.6	58.332
FEH: 200 years: +45 %: 5760 mins: Summer	0.04	0.7	63.042
FEH: 200 years: +45 %: 5760 mins: Winter	0.04	0.5	63.102
FEH: 200 years: +45 %: 7200 mins: Summer	0.04	0.6	67.062
FEH: 200 years: +45 %: 7200 mins: Winter	0.04	0.4	67.374
FEH: 200 years: +45 %: 8640 mins: Summer	0.04	0.5	71.214
FEH: 200 years: +45 %: 8640 mins: Winter	0.04	0.3	70.890

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.04	0.5	74.526
FEH: 200 years: +45 %: 10080 mins: Winter	0.04	0.3	74.748

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Foot Path North: 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	9.8	4.236
FEH: 200 years: +45 %: 15 mins: Winter	0.01	9.2	4.236
FEH: 200 years: +45 %: 30 mins: Summer	0.01	6.5	5.610
FEH: 200 years: +45 %: 30 mins: Winter	0.01	6.1	5.616
FEH: 200 years: +45 %: 60 mins: Summer	0.01	5.7	7.074
FEH: 200 years: +45 %: 60 mins: Winter	0.01	4.6	7.074

FEH: 200 years: +45 %: 120 mins: Summer	0.01	3.9	8.172
FEH: 200 years: +45 %: 120 mins: Winter	0.01	2.8	8.178
FEH: 200 years: +45 %: 180 mins: Summer	0.01	3.0	8.934
FEH: 200 years: +45 %: 180 mins: Winter	0.01	2.1	8.928
FEH: 200 years: +45 %: 240 mins: Summer	0.01	2.5	9.546
FEH: 200 years: +45 %: 240 mins: Winter	0.01	1.7	9.546
FEH: 200 years: +45 %: 360 mins: Summer	0.01	1.9	10.530
FEH: 200 years: +45 %: 360 mins: Winter	0.01	1.2	10.518

FEH: 200 years: +45 %: 480 mins: Summer	0.01	1.5	11.304
FEH: 200 years: +45 %: 480 mins: Winter	0.01	1.0	11.280
FEH: 200 years: +45 %: 600 mins: Summer	0.01	1.3	11.964
FEH: 200 years: +45 %: 600 mins: Winter	0.01	0.8	11.988
FEH: 200 years: +45 %: 720 mins: Summer	0.01	1.1	12.534
FEH: 200 years: +45 %: 720 mins: Winter	0.01	0.7	12.558
FEH: 200 years: +45 %: 960 mins: Summer	0.01	0.9	13.524
FEH: 200 years: +45 %: 960 mins: Winter	0.01	0.6	13.488

FEH: 200 years: +45 %: 1440 mins: Summer	0.01	0.7	15.072
FEH: 200 years: +45 %: 1440 mins: Winter	0.01	0.4	15.096
FEH: 200 years: +45 %: 2160 mins: Summer	0.01	0.5	16.734
FEH: 200 years: +45 %: 2160 mins: Winter	0.01	0.3	16.782
FEH: 200 years: +45 %: 2880 mins: Summer	0.01	0.4	18.042
FEH: 200 years: +45 %: 2880 mins: Winter	0.01	0.3	18.102
FEH: 200 years: +45 %: 4320 mins: Summer	0.01	0.3	20.106

FEH: 200 years: +45 %: 4320 mins: Winter	0.01	0.2	19.800
FEH: 200 years: +45 %: 5760 mins: Summer	0.01	0.3	21.750
FEH: 200 years: +45 %: 5760 mins: Winter	0.01	0.2	21.894
FEH: 200 years: +45 %: 7200 mins: Summer	0.01	0.2	23.082
FEH: 200 years: +45 %: 7200 mins: Winter	0.01	0.1	22.800
FEH: 200 years: +45 %: 8640 mins: Summer	0.01	0.2	24.768
FEH: 200 years: +45 %: 8640 mins: Winter	0.01	0.1	24.450

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	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	25.872
FEH: 200 years: +45 %: 10080 mins: Winter	0.01	0.1	25.872

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof to S9: 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	0.04	29.1	12.630
FEH: 200 years: +45 %: 15 mins: Winter	0.04	27.3	12.633
FEH: 200 years: +45 %: 30 mins: Summer	0.04	19.3	16.746
FEH: 200 years: +45 %: 30 mins: Winter	0.04	18.1	16.746
FEH: 200 years: +45 %: 60 mins: Summer	0.04	16.9	21.096
FEH: 200 years: +45 %: 60 mins: Winter	0.04	13.6	21.102

FEH: 200 years: +45 %: 120 mins: Summer	0.04	11.6	24.378
FEH: 200 years: +45 %: 120 mins: Winter	0.04	8.3	24.372
FEH: 200 years: +45 %: 180 mins: Summer	0.04	8.9	26.652
FEH: 200 years: +45 %: 180 mins: Winter	0.04	6.1	26.640
FEH: 200 years: +45 %: 240 mins: Summer	0.04	7.4	28.434
FEH: 200 years: +45 %: 240 mins: Winter	0.04	5.0	28.458
FEH: 200 years: +45 %: 360 mins: Summer	0.04	5.6	31.362
FEH: 200 years: +45 %: 360 mins: Winter	0.04	3.7	31.374

FEH: 200 years: +45 %: 480 mins: Summer	0.04	4.6	33.714
FEH: 200 years: +45 %: 480 mins: Winter	0.04	3.0	33.726
FEH: 200 years: +45 %: 600 mins: Summer	0.04	3.9	35.724
FEH: 200 years: +45 %: 600 mins: Winter	0.04	2.5	35.670
FEH: 200 years: +45 %: 720 mins: Summer	0.04	3.4	37.392
FEH: 200 years: +45 %: 720 mins: Winter	0.04	2.2	37.404
FEH: 200 years: +45 %: 960 mins: Summer	0.04	2.8	40.350
FEH: 200 years: +45 %: 960 mins: Winter	0.04	1.8	40.326

FEH: 200 years: +45 %: 1440 mins: Summer	0.04	2.0	44.886
FEH: 200 years: +45 %: 1440 mins: Winter	0.04	1.3	44.874
FEH: 200 years: +45 %: 2160 mins: Summer	0.04	1.5	49.830
FEH: 200 years: +45 %: 2160 mins: Winter	0.04	1.0	49.842
FEH: 200 years: +45 %: 2880 mins: Summer	0.04	1.2	53.706
FEH: 200 years: +45 %: 2880 mins: Winter	0.04	0.8	53.712
FEH: 200 years: +45 %: 4320 mins: Summer	0.04	0.9	59.700

FEH: 200 years: +45 %: 4320 mins: Winter	0.04	0.6	59.568
FEH: 200 years: +45 %: 5760 mins: Summer	0.04	0.7	64.566
FEH: 200 years: +45 %: 5760 mins: Winter	0.04	0.5	64.428
FEH: 200 years: +45 %: 7200 mins: Summer	0.04	0.6	68.790
FEH: 200 years: +45 %: 7200 mins: Winter	0.04	0.4	68.778
FEH: 200 years: +45 %: 8640 mins: Summer	0.04	0.6	72.576
FEH: 200 years: +45 %: 8640 mins: Winter	0.04	0.3	72.474

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.04	0.5	76.686
FEH: 200 years: +45 %: 10080 mins: Winter	0.04	0.3	76.686

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof S16: 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	0.69	547.7	237.858
FEH: 200 years: +45 %: 15 mins: Winter	0.69	514.1	237.862
FEH: 200 years: +45 %: 30 mins: Summer	0.69	363.9	315.242
FEH: 200 years: +45 %: 30 mins: Winter	0.69	341.5	315.242
FEH: 200 years: +45 %: 60 mins: Summer	0.69	317.9	397.299
FEH: 200 years: +45 %: 60 mins: Winter	0.69	255.7	397.298

FEH: 200 years: +45 %: 120 mins: Summer	0.69	217.7	458.803
FEH: 200 years: +45 %: 120 mins: Winter	0.69	156.7	458.802
FEH: 200 years: +45 %: 180 mins: Summer	0.69	168.1	501.643
FEH: 200 years: +45 %: 180 mins: Winter	0.69	115.8	501.635
FEH: 200 years: +45 %: 240 mins: Summer	0.69	138.9	535.884
FEH: 200 years: +45 %: 240 mins: Winter	0.69	93.4	535.896
FEH: 200 years: +45 %: 360 mins: Summer	0.69	104.6	590.795
FEH: 200 years: +45 %: 360 mins: Winter	0.69	68.9	590.784

FEH: 200 years: +45 %: 480 mins: Summer	0.69	86.1	634.761
FEH: 200 years: +45 %: 480 mins: Winter	0.69	55.7	634.776
FEH: 200 years: +45 %: 600 mins: Summer	0.69	73.2	671.946
FEH: 200 years: +45 %: 600 mins: Winter	0.69	47.2	671.922
FEH: 200 years: +45 %: 720 mins: Summer	0.69	63.9	704.424
FEH: 200 years: +45 %: 720 mins: Winter	0.69	41.2	704.412
FEH: 200 years: +45 %: 960 mins: Summer	0.69	51.7	759.516
FEH: 200 years: +45 %: 960 mins: Winter	0.69	33.3	759.522

FEH: 200 years: +45 %: 1440 mins: Summer	0.69	38.4	845.592
FEH: 200 years: +45 %: 1440 mins: Winter	0.69	24.8	845.538
FEH: 200 years: +45 %: 2160 mins: Summer	0.69	28.4	939.258
FEH: 200 years: +45 %: 2160 mins: Winter	0.69	18.3	939.279
FEH: 200 years: +45 %: 2880 mins: Summer	0.69	22.9	1011.870
FEH: 200 years: +45 %: 2880 mins: Winter	0.69	14.8	1011.888
FEH: 200 years: +45 %: 4320 mins: Summer	0.69	17.0	1124.106

FEH: 200 years: +45 %: 4320 mins: Winter	0.69	11.0	1124.208
FEH: 200 years: +45 %: 5760 mins: Summer	0.69	13.8	1215.684
FEH: 200 years: +45 %: 5760 mins: Winter	0.69	8.9	1215.750
FEH: 200 years: +45 %: 7200 mins: Summer	0.69	11.8	1296.000
FEH: 200 years: +45 %: 7200 mins: Winter	0.69	7.6	1295.568
FEH: 200 years: +45 %: 8640 mins: Summer	0.69	10.4	1369.812
FEH: 200 years: +45 %: 8640 mins: Winter	0.69	6.7	1369.728

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.69	9.3	1439.916
FEH: 200 years: +45 %: 10080 mins: Winter	0.69	6.0	1439.424

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof S15: 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	0.23	185.6	80.595
FEH: 200 years: +45 %: 15 mins: Winter	0.23	174.2	80.595
FEH: 200 years: +45 %: 30 mins: Summer	0.23	123.3	106.819
FEH: 200 years: +45 %: 30 mins: Winter	0.23	115.7	106.819
FEH: 200 years: +45 %: 60 mins: Summer	0.23	107.7	134.623
FEH: 200 years: +45 %: 60 mins: Winter	0.23	86.6	134.623

FEH: 200 years: +45 %: 120 mins: Summer	0.23	73.8	155.460
FEH: 200 years: +45 %: 120 mins: Winter	0.23	53.1	155.466
FEH: 200 years: +45 %: 180 mins: Summer	0.23	57.0	169.980
FEH: 200 years: +45 %: 180 mins: Winter	0.23	39.3	169.986
FEH: 200 years: +45 %: 240 mins: Summer	0.23	47.0	181.578
FEH: 200 years: +45 %: 240 mins: Winter	0.23	31.6	181.590
FEH: 200 years: +45 %: 360 mins: Summer	0.23	35.5	200.178
FEH: 200 years: +45 %: 360 mins: Winter	0.23	23.4	200.184

FEH: 200 years: +45 %: 480 mins: Summer	0.23	29.2	215.079
FEH: 200 years: +45 %: 480 mins: Winter	0.23	18.9	215.088
FEH: 200 years: +45 %: 600 mins: Summer	0.23	24.8	227.664
FEH: 200 years: +45 %: 600 mins: Winter	0.23	16.0	227.688
FEH: 200 years: +45 %: 720 mins: Summer	0.23	21.7	238.674
FEH: 200 years: +45 %: 720 mins: Winter	0.23	14.0	238.668
FEH: 200 years: +45 %: 960 mins: Summer	0.23	17.5	257.346
FEH: 200 years: +45 %: 960 mins: Winter	0.23	11.3	257.352

FEH: 200 years: +45 %: 1440 mins: Summer	0.23	13.0	286.512
FEH: 200 years: +45 %: 1440 mins: Winter	0.23	8.4	286.506
FEH: 200 years: +45 %: 2160 mins: Summer	0.23	9.6	318.258
FEH: 200 years: +45 %: 2160 mins: Winter	0.23	6.2	318.240
FEH: 200 years: +45 %: 2880 mins: Summer	0.23	7.8	342.594
FEH: 200 years: +45 %: 2880 mins: Winter	0.23	5.0	342.828
FEH: 200 years: +45 %: 4320 mins: Summer	0.23	5.8	380.826

FEH: 200 years: +45 %: 4320 mins: Winter	0.23	3.7	381.012
FEH: 200 years: +45 %: 5760 mins: Summer	0.23	4.7	411.942
FEH: 200 years: +45 %: 5760 mins: Winter	0.23	3.0	411.732
FEH: 200 years: +45 %: 7200 mins: Summer	0.23	4.0	439.572
FEH: 200 years: +45 %: 7200 mins: Winter	0.23	2.6	439.338
FEH: 200 years: +45 %: 8640 mins: Summer	0.23	3.5	463.890
FEH: 200 years: +45 %: 8640 mins: Winter	0.23	2.3	463.968

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Inflows Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Summer	0.23	3.2	488.160
FEH: 200 years: +45 %: 10080 mins: Winter	0.23	2.0	487.950

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot	28/07/2026		
Network Space	Designed	Checked by:	Approved
Developments	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary	ADS Consult		
Storm Phase: UNIT 4	107 Mere Grange Business Park		
	Leaside, St Helens, WA9 5GG		



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

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Loading Area 1: Rank By: Max. Inflow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 4 Dock Levellers: Rank By: Max. Inflow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Loading Area 2: Rank By: Max. Inflow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Cycle Store: Rank By: Max. Inflow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



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

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



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

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Foot Path North: Rank By: Max. Inflow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 4 Roof to S9: Rank By: Max. Inflow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 4 Roof S16: Rank By: Max. Inflow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Unit 4 Roof S15: Rank By: Max. Inflow

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S12-4: 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	27.975	25.640	25.748	0.108	41.7	0.122	0.000	38.5	23.469	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.975	25.640	25.745	0.105	39.8	0.119	0.000	37.0	23.466	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.975	25.640	25.739	0.099	34.9	0.112	0.000	34.9	30.273	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.975	25.640	25.736	0.096	32.8	0.108	0.000	32.8	30.267	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.975	25.640	25.731	0.091	30.0	0.103	0.000	30.0	37.586	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.975	25.640	25.721	0.081	24.2	0.091	0.000	24.1	37.580	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.975	25.640	25.719	0.079	23.0	0.090	0.000	22.9	48.497	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.975	25.640	25.705	0.065	16.5	0.074	0.000	16.8	48.504	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	27.975	25.640	25.707	0.067	18.6	0.076	0.000	19.0	55.615	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.975	25.640	25.696	0.056	12.8	0.064	0.000	12.9	55.592	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.975	25.640	25.713	0.073	15.8	0.083	0.000	15.8	61.055	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.975	25.640	25.713	0.073	10.6	0.083	0.000	10.7	61.059	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.975	25.640	25.734	0.094	12.3	0.106	0.000	12.3	69.417	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.975	25.640	25.734	0.094	8.1	0.106	0.000	8.1	69.386	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.975	25.640	25.745	0.105	10.3	0.119	0.000	10.3	75.946	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.975	25.640	25.746	0.106	6.7	0.120	0.000	6.7	75.921	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.975	25.640	25.751	0.111	8.8	0.126	0.000	8.8	81.293	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.975	25.640	25.752	0.112	5.7	0.127	0.000	5.7	81.281	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	27.975	25.640	25.755	0.115	7.8	0.130	0.000	7.8	85.907	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.975	25.640	25.756	0.116	5.0	0.131	0.000	5.0	85.918	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.975	25.640	25.759	0.119	6.4	0.135	0.000	6.4	93.681	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.975	25.640	25.757	0.117	4.1	0.132	0.000	4.1	93.609	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.975	25.640	25.761	0.121	4.8	0.136	0.000	4.8	105.950	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.975	25.640	25.755	0.115	3.1	0.130	0.000	3.1	105.829	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.975	25.640	25.754	0.114	3.6	0.129	0.000	3.6	120.162	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.975	25.640	25.739	0.099	2.3	0.112	0.000	2.3	120.281	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.975	25.640	25.744	0.104	3.0	0.118	0.000	3.0	131.753	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.975	25.640	25.719	0.079	1.9	0.090	0.000	1.9	131.896	OK

FEH: 2 years: +0 %: 4320 mins: Summer	27.975	25.640	25.723	0.083	2.3	0.094	0.000	2.3	151.370	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.975	25.640	25.680	0.040	1.5	0.045	0.000	1.5	151.219	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.975	25.640	25.703	0.063	1.9	0.071	0.000	1.9	168.552	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.975	25.640	25.657	0.017	1.2	0.019	0.000	1.2	168.119	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.975	25.640	25.686	0.046	1.7	0.052	0.000	1.7	185.225	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.975	25.640	25.656	0.016	1.1	0.018	0.000	1.1	184.528	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.975	25.640	25.670	0.030	1.5	0.034	0.000	1.5	200.399	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.975	25.640	25.655	0.015	1.0	0.017	0.000	1.0	199.473	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.975	25.640	25.658	0.018	1.4	0.020	0.000	1.4	214.714	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.975	25.640	25.655	0.015	0.9	0.017	0.000	0.9	214.448	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S04-4 : 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	27.886	25.701	26.069	0.368	175.5	0.416	0.000	168.4	84.706	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.886	25.701	26.056	0.355	166.0	0.402	0.000	159.6	84.727	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.886	25.701	26.005	0.304	125.5	0.344	0.000	125.5	108.758	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.886	25.701	25.994	0.293	117.8	0.331	0.000	117.8	108.782	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.886	25.701	25.979	0.278	108.0	0.315	0.000	108.0	134.977	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.886	25.701	25.947	0.246	86.8	0.278	0.000	86.8	134.966	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.886	25.701	25.940	0.239	82.7	0.271	0.000	82.7	174.244	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.886	25.701	25.901	0.200	59.5	0.226	0.000	59.5	174.275	OK

FEH: 2 years: +0 %: 180 mins: Summer	27.886	25.701	25.914	0.213	67.0	0.241	0.000	67.0	200.015	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.886	25.701	25.876	0.175	46.2	0.198	0.000	46.2	199.991	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.886	25.701	25.896	0.195	56.9	0.221	0.000	56.9	219.678	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.886	25.701	25.859	0.158	38.3	0.179	0.000	38.3	219.666	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.886	25.701	25.872	0.171	44.2	0.193	0.000	44.2	249.541	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.886	25.701	25.839	0.138	29.1	0.156	0.000	29.1	249.577	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.886	25.701	25.857	0.156	37.0	0.177	0.000	37.0	272.779	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.886	25.701	25.825	0.124	23.9	0.140	0.000	23.9	272.780	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.886	25.701	25.844	0.143	31.8	0.162	0.000	31.8	292.013	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.886	25.701	25.816	0.115	20.5	0.130	0.000	20.5	292.004	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	27.886	25.701	25.835	0.134	28.0	0.151	0.000	28.0	308.630	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.886	25.701	25.809	0.108	18.1	0.122	0.000	18.1	308.666	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.886	25.701	25.822	0.121	22.9	0.137	0.000	22.9	336.422	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.886	25.701	25.798	0.097	14.8	0.110	0.000	14.8	336.470	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.886	25.701	25.806	0.105	17.3	0.119	0.000	17.3	380.642	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.886	25.701	25.786	0.085	11.1	0.096	0.000	11.1	380.642	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.886	25.701	25.793	0.092	13.0	0.104	0.000	13.1	431.376	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.886	25.701	25.775	0.074	8.4	0.084	0.000	8.4	431.544	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.886	25.701	25.784	0.083	10.7	0.094	0.000	10.7	473.166	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.886	25.701	25.768	0.067	6.9	0.076	0.000	6.9	473.069	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	27.886	25.701	25.774	0.073	8.2	0.083	0.000	8.2	543.449	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.886	25.701	25.760	0.059	5.3	0.067	0.000	5.3	543.353	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.886	25.701	25.768	0.067	6.9	0.076	0.000	6.9	605.381	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.886	25.701	25.755	0.054	4.4	0.062	0.000	4.4	605.465	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.886	25.701	25.764	0.063	6.0	0.071	0.000	6.0	661.907	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.886	25.701	25.752	0.051	3.9	0.058	0.000	3.9	662.357	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.886	25.701	25.761	0.060	5.4	0.068	0.000	5.4	717.167	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.886	25.701	25.750	0.049	3.5	0.055	0.000	3.5	716.663	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.886	25.701	25.759	0.058	5.0	0.065	0.000	5.0	768.719	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.886	25.701	25.748	0.047	3.2	0.053	0.000	3.2	767.897	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S05-4: 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	27.792	25.689	25.996	0.307	175.4	0.348	0.000	173.1	87.723	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.792	25.689	25.987	0.298	166.2	0.337	0.000	164.1	87.744	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.792	25.689	25.948	0.259	130.0	0.293	0.000	130.0	112.654	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.792	25.689	25.939	0.250	122.1	0.283	0.000	122.1	112.684	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.792	25.689	25.927	0.238	111.9	0.269	0.000	111.9	139.812	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.792	25.689	25.901	0.212	90.0	0.239	0.000	90.0	139.812	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.792	25.689	25.895	0.206	85.7	0.233	0.000	85.6	180.490	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.792	25.689	25.863	0.174	61.6	0.196	0.000	61.6	180.520	OK

FEH: 2 years: +0 %: 180 mins: Summer	27.792	25.689	25.874	0.185	69.4	0.209	0.000	69.4	207.202	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.792	25.689	25.842	0.153	47.8	0.173	0.000	47.8	207.171	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.792	25.689	25.859	0.170	59.0	0.192	0.000	58.9	227.569	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.792	25.689	25.828	0.139	39.6	0.157	0.000	39.6	227.538	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.792	25.689	25.839	0.150	45.8	0.169	0.000	45.8	258.508	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.792	25.689	25.810	0.121	30.2	0.137	0.000	30.2	258.526	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.792	25.689	25.826	0.137	38.3	0.155	0.000	38.3	282.563	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.792	25.689	25.798	0.109	24.8	0.123	0.000	24.8	282.569	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.792	25.689	25.815	0.126	33.0	0.142	0.000	33.0	302.499	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.792	25.689	25.790	0.101	21.2	0.114	0.000	21.2	302.495	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	27.792	25.689	25.806	0.117	29.0	0.133	0.000	29.0	319.698	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.792	25.689	25.784	0.095	18.7	0.108	0.000	18.7	319.734	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.792	25.689	25.795	0.106	23.7	0.120	0.000	23.7	348.510	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.792	25.689	25.776	0.087	15.3	0.098	0.000	15.3	348.545	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.792	25.689	25.782	0.093	17.9	0.105	0.000	17.9	394.278	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.792	25.689	25.765	0.076	11.5	0.086	0.000	11.5	394.283	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.792	25.689	25.771	0.082	13.5	0.093	0.000	13.5	446.839	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.792	25.689	25.756	0.067	8.7	0.076	0.000	8.7	446.938	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.792	25.689	25.764	0.075	11.1	0.085	0.000	11.1	490.132	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.792	25.689	25.750	0.061	7.2	0.069	0.000	7.2	489.972	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	27.792	25.689	25.755	0.066	8.5	0.075	0.000	8.5	563.000	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.792	25.689	25.743	0.054	5.5	0.061	0.000	5.5	562.691	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.792	25.689	25.750	0.061	7.1	0.069	0.000	7.1	627.132	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.792	25.689	25.739	0.050	4.6	0.057	0.000	4.6	627.371	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.792	25.689	25.747	0.058	6.2	0.065	0.000	6.2	685.661	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.792	25.689	25.736	0.047	4.0	0.053	0.000	4.0	685.781	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.792	25.689	25.744	0.055	5.6	0.062	0.000	5.6	743.087	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.792	25.689	25.734	0.045	3.6	0.051	0.000	3.6	742.079	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.792	25.689	25.742	0.053	5.2	0.060	0.000	5.2	796.775	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.792	25.689	25.733	0.044	3.4	0.049	0.000	3.4	795.359	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S07-4: 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	27.633	25.344	25.559	0.215	5.3	0.243	0.000	5.2	5.888	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.633	25.344	25.559	0.215	5.3	0.243	0.000	5.2	5.905	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.633	25.344	25.591	0.247	5.6	0.279	0.000	5.3	13.866	Surcharged
FEH: 2 years: +0 %: 30 mins: Winter	27.633	25.344	25.591	0.247	5.6	0.279	0.000	5.3	13.922	Surcharged
FEH: 2 years: +0 %: 60 mins: Summer	27.633	25.344	25.622	0.279	5.6	0.315	0.000	5.4	30.053	Surcharged
FEH: 2 years: +0 %: 60 mins: Winter	27.633	25.344	25.622	0.279	5.5	0.315	0.000	5.4	30.321	Surcharged
FEH: 2 years: +0 %: 120 mins: Summer	27.633	25.344	25.667	0.324	5.6	0.366	0.000	5.5	63.971	Surcharged
FEH: 2 years: +0 %: 120 mins: Winter	27.633	25.344	25.667	0.323	5.6	0.366	0.000	5.5	64.534	Surcharged

FEH: 2 years: +0 %: 180 mins: Summer	27.633	25.344	25.693	0.349	5.6	0.395	0.000	5.6	98.474	Surcharged
FEH: 2 years: +0 %: 180 mins: Winter	27.633	25.344	25.693	0.349	5.6	0.395	0.000	5.6	99.238	Surcharged
FEH: 2 years: +0 %: 240 mins: Summer	27.633	25.344	25.710	0.366	5.6	0.414	0.000	5.6	133.202	Surcharged
FEH: 2 years: +0 %: 240 mins: Winter	27.633	25.344	25.710	0.366	5.6	0.414	0.000	5.6	134.138	Surcharged
FEH: 2 years: +0 %: 360 mins: Summer	27.633	25.344	25.730	0.386	5.6	0.437	0.000	5.6	202.934	Surcharged
FEH: 2 years: +0 %: 360 mins: Winter	27.633	25.344	25.731	0.387	5.6	0.438	0.000	5.6	204.178	Surcharged
FEH: 2 years: +0 %: 480 mins: Summer	27.633	25.344	25.742	0.398	5.6	0.450	0.000	5.6	272.744	Surcharged
FEH: 2 years: +0 %: 480 mins: Winter	27.633	25.344	25.743	0.399	5.6	0.451	0.000	5.6	274.289	Surcharged
FEH: 2 years: +0 %: 600 mins: Summer	27.633	25.344	25.748	0.404	5.6	0.457	0.000	5.6	342.296	Surcharged
FEH: 2 years: +0 %: 600 mins: Winter	27.633	25.344	25.749	0.405	5.6	0.458	0.000	5.6	344.143	Surcharged

FEH: 2 years: +0 %: 720 mins: Summer	27.633	25.344	25.752	0.408	5.6	0.461	0.000	5.6	411.240	Surcharged
FEH: 2 years: +0 %: 720 mins: Winter	27.633	25.344	25.752	0.408	5.6	0.462	0.000	5.6	413.420	Surcharged
FEH: 2 years: +0 %: 960 mins: Summer	27.633	25.344	25.756	0.412	5.6	0.466	0.000	5.6	545.376	Surcharged
FEH: 2 years: +0 %: 960 mins: Winter	27.633	25.344	25.754	0.410	5.6	0.464	0.000	5.6	548.169	Surcharged
FEH: 2 years: +0 %: 1440 mins: Summer	27.633	25.344	25.757	0.413	5.6	0.468	0.000	5.6	731.100	Surcharged
FEH: 2 years: +0 %: 1440 mins: Winter	27.633	25.344	25.751	0.407	5.6	0.461	0.000	5.6	731.727	Surcharged
FEH: 2 years: +0 %: 2160 mins: Summer	27.633	25.344	25.751	0.407	5.6	0.460	0.000	5.6	851.154	Surcharged
FEH: 2 years: +0 %: 2160 mins: Winter	27.633	25.344	25.736	0.392	5.6	0.443	0.000	5.6	851.603	Surcharged
FEH: 2 years: +0 %: 2880 mins: Summer	27.633	25.344	25.741	0.397	5.6	0.449	0.000	5.6	940.169	Surcharged
FEH: 2 years: +0 %: 2880 mins: Winter	27.633	25.344	25.716	0.372	5.6	0.421	0.000	5.6	940.219	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	27.633	25.344	25.720	0.376	5.6	0.425	0.000	5.6	1085.693	Surcharged
FEH: 2 years: +0 %: 4320 mins: Winter	27.633	25.344	25.677	0.333	5.6	0.376	0.000	5.6	1085.272	Surcharged
FEH: 2 years: +0 %: 5760 mins: Summer	27.633	25.344	25.700	0.356	5.6	0.403	0.000	5.6	1210.501	Surcharged
FEH: 2 years: +0 %: 5760 mins: Winter	27.633	25.344	25.642	0.298	5.5	0.337	0.000	5.5	1210.663	Surcharged
FEH: 2 years: +0 %: 7200 mins: Summer	27.633	25.344	25.683	0.339	5.6	0.383	0.000	5.6	1325.514	Surcharged
FEH: 2 years: +0 %: 7200 mins: Winter	27.633	25.344	25.613	0.269	5.4	0.304	0.000	5.4	1324.938	Surcharged
FEH: 2 years: +0 %: 8640 mins: Summer	27.633	25.344	25.667	0.323	5.5	0.365	0.000	5.5	1435.928	Surcharged
FEH: 2 years: +0 %: 8640 mins: Winter	27.633	25.344	25.588	0.245	5.3	0.277	0.000	5.3	1434.432	Surcharged
FEH: 2 years: +0 %: 10080 mins: Summer	27.633	25.344	25.653	0.309	5.5	0.349	0.000	5.5	1540.408	Surcharged
FEH: 2 years: +0 %: 10080 mins: Winter	27.633	25.344	25.568	0.224	5.2	0.254	0.000	5.2	1538.394	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S01-4: 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	27.945	26.045	26.230	0.185	47.2	0.209	0.000	44.9	20.516	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.945	26.045	26.223	0.178	44.3	0.201	0.000	42.3	20.513	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.945	26.045	26.192	0.147	30.3	0.166	0.000	30.3	26.289	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.945	26.045	26.186	0.141	28.5	0.159	0.000	28.5	26.293	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.945	26.045	26.178	0.133	26.1	0.151	0.000	26.1	32.613	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.945	26.045	26.162	0.117	21.0	0.132	0.000	21.0	32.599	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.945	26.045	26.159	0.114	20.0	0.128	0.000	20.0	42.095	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.945	26.045	26.139	0.094	14.4	0.106	0.000	14.4	42.087	OK

FEH: 2 years: +0 %: 180 mins: Summer	27.945	26.045	26.146	0.101	16.2	0.114	0.000	16.2	48.315	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.945	26.045	26.127	0.082	11.1	0.092	0.000	11.1	48.307	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.945	26.045	26.137	0.092	13.8	0.104	0.000	13.7	53.054	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.945	26.045	26.119	0.074	9.2	0.083	0.000	9.2	53.052	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.945	26.045	26.125	0.080	10.7	0.090	0.000	10.7	60.265	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.945	26.045	26.109	0.064	7.0	0.072	0.000	7.0	60.274	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.945	26.045	26.117	0.072	8.9	0.082	0.000	8.9	65.886	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.945	26.045	26.103	0.058	5.8	0.066	0.000	5.8	65.895	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.945	26.045	26.112	0.067	7.7	0.076	0.000	7.7	70.533	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.945	26.045	26.099	0.054	4.9	0.061	0.000	5.0	70.503	OK

FEH: 2 years: +0 %: 720 mins: Summer	27.945	26.045	26.108	0.063	6.8	0.071	0.000	6.8	74.537	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.945	26.045	26.096	0.051	4.4	0.057	0.000	4.4	74.541	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.945	26.045	26.102	0.057	5.5	0.064	0.000	5.5	81.239	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.945	26.045	26.091	0.046	3.6	0.052	0.000	3.6	81.260	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.945	26.045	26.095	0.050	4.2	0.056	0.000	4.2	91.894	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.945	26.045	26.085	0.040	2.7	0.046	0.000	2.7	91.915	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.945	26.045	26.088	0.043	3.2	0.049	0.000	3.2	104.235	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.945	26.045	26.080	0.035	2.0	0.040	0.000	2.0	104.281	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.945	26.045	26.085	0.040	2.6	0.045	0.000	2.6	114.165	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.945	26.045	26.077	0.032	1.7	0.036	0.000	1.7	114.175	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	27.945	26.045	26.080	0.035	2.0	0.040	0.000	2.0	131.217	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.945	26.045	26.073	0.028	1.3	0.032	0.000	1.3	131.419	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.945	26.045	26.077	0.032	1.7	0.036	0.000	1.7	146.324	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.945	26.045	26.071	0.026	1.1	0.030	0.000	1.1	146.437	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.945	26.045	26.075	0.030	1.4	0.034	0.000	1.5	160.082	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.945	26.045	26.070	0.025	0.9	0.028	0.000	0.9	159.936	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.945	26.045	26.074	0.029	1.3	0.033	0.000	1.3	172.760	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.945	26.045	26.068	0.023	0.8	0.026	0.000	0.8	172.848	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.945	26.045	26.073	0.028	1.2	0.031	0.000	1.2	186.014	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.945	26.045	26.068	0.023	0.8	0.025	0.000	0.8	185.922	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S02-4: 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	27.946	25.986	26.194	0.208	64.0	0.235	0.000	57.8	29.040	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.946	25.986	26.187	0.201	60.2	0.227	0.000	54.9	29.061	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.946	25.986	26.158	0.172	43.0	0.194	0.000	43.0	37.286	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.946	25.986	26.151	0.165	40.4	0.187	0.000	40.4	37.304	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.946	25.986	26.142	0.156	37.0	0.177	0.000	37.0	46.291	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.946	25.986	26.124	0.138	29.8	0.156	0.000	29.8	46.273	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.946	25.986	26.120	0.134	28.4	0.151	0.000	28.4	59.756	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.946	25.986	26.097	0.111	20.4	0.126	0.000	20.4	59.757	OK

FEH: 2 years: +0 %: 180 mins: Summer	27.946	25.986	26.105	0.119	23.0	0.134	0.000	23.0	68.600	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.946	25.986	26.083	0.097	15.8	0.109	0.000	15.8	68.565	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.946	25.986	26.094	0.108	19.5	0.123	0.000	19.5	75.321	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.946	25.986	26.073	0.087	13.1	0.099	0.000	13.1	75.310	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.946	25.986	26.080	0.094	15.1	0.107	0.000	15.1	85.575	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.946	25.986	26.062	0.076	10.0	0.086	0.000	10.0	85.582	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.946	25.986	26.072	0.086	12.7	0.097	0.000	12.7	93.543	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.946	25.986	26.055	0.069	8.2	0.078	0.000	8.2	93.533	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.946	25.986	26.065	0.079	10.9	0.090	0.000	10.9	100.116	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.946	25.986	26.050	0.064	7.0	0.072	0.000	7.0	100.144	OK

FEH: 2 years: +0 %: 720 mins: Summer	27.946	25.986	26.060	0.074	9.6	0.084	0.000	9.6	105.807	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.946	25.986	26.046	0.060	6.2	0.068	0.000	6.2	105.827	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.946	25.986	26.053	0.067	7.8	0.076	0.000	7.8	115.312	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.946	25.986	26.041	0.055	5.1	0.062	0.000	5.1	115.325	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.946	25.986	26.045	0.059	5.9	0.067	0.000	5.9	130.456	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.946	25.986	26.034	0.048	3.8	0.054	0.000	3.8	130.499	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.946	25.986	26.037	0.051	4.5	0.058	0.000	4.5	147.964	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.946	25.986	26.028	0.042	2.9	0.047	0.000	2.9	148.013	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.946	25.986	26.033	0.047	3.7	0.053	0.000	3.7	162.148	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.946	25.986	26.024	0.038	2.4	0.043	0.000	2.4	162.047	OK

FEH: 2 years: +0 %: 4320 mins: Summer	27.946	25.986	26.027	0.041	2.8	0.047	0.000	2.8	186.082	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.946	25.986	26.020	0.034	1.8	0.038	0.000	1.8	186.377	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.946	25.986	26.024	0.038	2.4	0.043	0.000	2.4	207.580	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.946	25.986	26.017	0.031	1.5	0.035	0.000	1.5	207.731	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.946	25.986	26.022	0.036	2.1	0.040	0.000	2.1	226.960	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.946	25.986	26.015	0.029	1.3	0.033	0.000	1.3	227.003	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.946	25.986	26.020	0.034	1.9	0.038	0.000	1.9	245.650	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.946	25.986	26.014	0.028	1.2	0.031	0.000	1.2	246.527	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.946	25.986	26.019	0.033	1.7	0.037	0.000	1.7	263.801	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.946	25.986	26.013	0.027	1.1	0.030	0.000	1.1	263.213	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S-19 - 4: 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	26.950	26.350	26.419	0.069	11.3	0.025	0.000	10.5	4.863	OK
FEH: 2 years: +0 %: 15 mins: Winter	26.950	26.350	26.417	0.067	10.6	0.024	0.000	9.9	4.901	OK
FEH: 2 years: +0 %: 30 mins: Summer	26.950	26.350	26.406	0.056	7.3	0.020	0.000	7.3	6.282	OK
FEH: 2 years: +0 %: 30 mins: Winter	26.950	26.350	26.405	0.055	6.8	0.020	0.000	6.8	6.288	OK
FEH: 2 years: +0 %: 60 mins: Summer	26.950	26.350	26.402	0.052	6.2	0.019	0.000	6.2	7.800	OK
FEH: 2 years: +0 %: 60 mins: Winter	26.950	26.350	26.397	0.047	5.0	0.017	0.000	5.0	7.800	OK
FEH: 2 years: +0 %: 120 mins: Summer	26.950	26.350	26.396	0.046	4.8	0.016	0.000	4.8	10.062	OK
FEH: 2 years: +0 %: 120 mins: Winter	26.950	26.350	26.389	0.039	3.4	0.014	0.000	3.4	10.067	OK

FEH: 2 years: +0 %: 180 mins: Summer	26.950	26.350	26.391	0.041	3.9	0.015	0.000	3.9	11.555	OK
FEH: 2 years: +0 %: 180 mins: Winter	26.950	26.350	26.384	0.034	2.7	0.012	0.000	2.7	11.543	OK
FEH: 2 years: +0 %: 240 mins: Summer	26.950	26.350	26.388	0.038	3.3	0.014	0.000	3.3	12.689	OK
FEH: 2 years: +0 %: 240 mins: Winter	26.950	26.350	26.381	0.031	2.2	0.011	0.000	2.2	12.677	OK
FEH: 2 years: +0 %: 360 mins: Summer	26.950	26.350	26.384	0.034	2.6	0.012	0.000	2.5	14.423	OK
FEH: 2 years: +0 %: 360 mins: Winter	26.950	26.350	26.378	0.028	1.7	0.010	0.000	1.7	14.441	OK
FEH: 2 years: +0 %: 480 mins: Summer	26.950	26.350	26.381	0.031	2.1	0.011	0.000	2.1	15.767	OK
FEH: 2 years: +0 %: 480 mins: Winter	26.950	26.350	26.375	0.025	1.4	0.009	0.000	1.4	15.749	OK
FEH: 2 years: +0 %: 600 mins: Summer	26.950	26.350	26.379	0.029	1.8	0.010	0.000	1.8	16.853	OK
FEH: 2 years: +0 %: 600 mins: Winter	26.950	26.350	26.373	0.023	1.2	0.008	0.000	1.2	16.889	OK

FEH: 2 years: +0 %: 720 mins: Summer	26.950	26.350	26.377	0.027	1.6	0.010	0.000	1.6	17.813	OK
FEH: 2 years: +0 %: 720 mins: Winter	26.950	26.350	26.372	0.022	1.0	0.008	0.000	1.0	17.819	OK
FEH: 2 years: +0 %: 960 mins: Summer	26.950	26.350	26.375	0.025	1.3	0.009	0.000	1.3	19.409	OK
FEH: 2 years: +0 %: 960 mins: Winter	26.950	26.350	26.370	0.020	0.9	0.007	0.000	0.9	19.427	OK
FEH: 2 years: +0 %: 1440 mins: Summer	26.950	26.350	26.372	0.022	1.0	0.008	0.000	1.0	21.947	OK
FEH: 2 years: +0 %: 1440 mins: Winter	26.950	26.350	26.368	0.018	0.6	0.006	0.000	0.6	21.917	OK
FEH: 2 years: +0 %: 2160 mins: Summer	26.950	26.350	26.369	0.019	0.8	0.007	0.000	0.8	24.911	OK
FEH: 2 years: +0 %: 2160 mins: Winter	26.950	26.350	26.365	0.015	0.5	0.006	0.000	0.5	24.983	OK
FEH: 2 years: +0 %: 2880 mins: Summer	26.950	26.350	26.367	0.017	0.6	0.006	0.000	0.6	27.347	OK
FEH: 2 years: +0 %: 2880 mins: Winter	26.950	26.350	26.364	0.014	0.4	0.005	0.000	0.4	27.293	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	26.950	26.350	26.365	0.015	0.5	0.005	0.000	0.5	31.265	OK
FEH: 2 years: +0 %: 4320 mins: Winter	26.950	26.350	26.363	0.013	0.3	0.005	0.000	0.3	31.355	OK
FEH: 2 years: +0 %: 5760 mins: Summer	26.950	26.350	26.364	0.014	0.4	0.005	0.000	0.4	34.781	OK
FEH: 2 years: +0 %: 5760 mins: Winter	26.950	26.350	26.362	0.012	0.3	0.004	0.000	0.3	35.039	OK
FEH: 2 years: +0 %: 7200 mins: Summer	26.950	26.350	26.363	0.013	0.3	0.005	0.000	0.3	38.183	OK
FEH: 2 years: +0 %: 7200 mins: Winter	26.950	26.350	26.361	0.011	0.2	0.004	0.000	0.2	38.189	OK
FEH: 2 years: +0 %: 8640 mins: Summer	26.950	26.350	26.363	0.013	0.3	0.005	0.000	0.3	41.669	OK
FEH: 2 years: +0 %: 8640 mins: Winter	26.950	26.350	26.360	0.010	0.2	0.004	0.000	0.2	42.059	OK
FEH: 2 years: +0 %: 10080 mins: Summer	26.950	26.350	26.362	0.012	0.3	0.004	0.000	0.3	44.279	OK
FEH: 2 years: +0 %: 10080 mins: Winter	26.950	26.350	26.360	0.010	0.2	0.004	0.000	0.2	44.027	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	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	27.664	25.177	25.213	0.036	5.2	0.000	0.000	5.2	5.842	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.664	25.177	25.213	0.036	5.2	0.000	0.000	5.2	5.859	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.664	25.177	25.214	0.037	5.3	0.000	0.000	5.3	13.820	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.664	25.177	25.214	0.037	5.3	0.000	0.000	5.3	13.876	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.664	25.177	25.214	0.037	5.4	0.000	0.000	5.4	30.006	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.664	25.177	25.214	0.037	5.4	0.000	0.000	5.4	30.274	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.5	0.000	0.000	5.5	63.924	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.5	0.000	0.000	5.5	64.487	OK

FEH: 2 years: +0 %: 180 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	98.426	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	99.191	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	133.155	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	134.091	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	202.887	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	204.131	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	272.697	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	274.242	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	342.249	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	344.096	OK

FEH: 2 years: +0 %: 720 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	411.194	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	413.373	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	545.331	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	548.125	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	731.082	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	731.709	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	851.146	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	851.595	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	940.164	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	940.213	OK

FEH: 2 years: +0 %: 4320 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1085.691	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1085.270	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1210.500	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.664	25.177	25.214	0.037	5.5	0.000	0.000	5.5	1210.661	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1325.513	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.664	25.177	25.214	0.037	5.4	0.000	0.000	5.4	1324.937	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.664	25.177	25.215	0.038	5.5	0.000	0.000	5.5	1435.927	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.664	25.177	25.214	0.037	5.3	0.000	0.000	5.3	1434.431	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.664	25.177	25.214	0.037	5.5	0.000	0.000	5.5	1540.407	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.664	25.177	25.213	0.036	5.2	0.000	0.000	5.2	1538.393	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Full Retention oil Interceptor: 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	27.943	25.664	25.880	0.216	173.1	1.237	0.000	169.5	87.698	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.943	25.664	25.874	0.210	164.1	1.201	0.000	160.8	87.717	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.943	25.664	25.848	0.184	130.0	1.055	0.000	130.0	112.676	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.943	25.664	25.842	0.178	122.1	1.019	0.000	122.1	112.706	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.943	25.664	25.834	0.170	111.9	0.972	0.000	111.8	139.850	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.943	25.664	25.814	0.150	90.0	0.861	0.000	90.0	139.849	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.943	25.664	25.811	0.147	85.6	0.841	0.000	85.6	180.531	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.943	25.664	25.786	0.122	61.6	0.701	0.000	61.6	180.559	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	27.943	25.664	25.795	0.131	69.4	0.753	0.000	69.3	207.234	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.943	25.664	25.771	0.107	47.8	0.612	0.000	47.8	207.202	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.943	25.664	25.785	0.121	58.9	0.691	0.000	58.9	227.593	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.943	25.664	25.761	0.097	39.6	0.555	0.000	39.6	227.562	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.943	25.664	25.770	0.106	45.8	0.607	0.000	45.7	258.529	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.943	25.664	25.747	0.083	30.2	0.476	0.000	30.3	258.547	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.943	25.664	25.761	0.097	38.3	0.556	0.000	38.3	282.585	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.943	25.664	25.746	0.082	24.8	0.470	0.000	24.8	282.590	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.943	25.664	25.751	0.087	33.0	0.500	0.000	33.1	302.522	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.943	25.664	25.753	0.089	21.2	0.508	0.000	21.2	302.516	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	27.943	25.664	25.755	0.091	29.0	0.522	0.000	29.0	319.720	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.943	25.664	25.756	0.092	18.7	0.526	0.000	18.7	319.753	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.943	25.664	25.759	0.095	23.7	0.546	0.000	23.7	348.530	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.943	25.664	25.757	0.093	15.3	0.534	0.000	15.3	348.563	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.943	25.664	25.761	0.097	17.9	0.554	0.000	17.9	394.294	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.943	25.664	25.755	0.091	11.5	0.520	0.000	11.5	394.297	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.943	25.664	25.754	0.090	13.5	0.516	0.000	13.5	446.856	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.943	25.664	25.739	0.075	8.7	0.432	0.000	8.7	446.956	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.943	25.664	25.744	0.080	11.1	0.461	0.000	11.1	490.149	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.943	25.664	25.720	0.056	7.2	0.320	0.000	7.2	489.990	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	27.943	25.664	25.724	0.060	8.5	0.341	0.000	8.5	563.012	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.943	25.664	25.696	0.032	5.5	0.183	0.000	5.5	562.703	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.943	25.664	25.704	0.040	7.1	0.229	0.000	7.1	627.143	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.943	25.664	25.693	0.029	4.6	0.168	0.000	4.6	627.379	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.943	25.664	25.698	0.034	6.2	0.195	0.000	6.2	685.671	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.943	25.664	25.692	0.028	4.0	0.158	0.000	4.0	685.788	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.943	25.664	25.696	0.032	5.6	0.185	0.000	5.6	743.096	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.943	25.664	25.690	0.026	3.6	0.151	0.000	3.6	742.084	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.943	25.664	25.695	0.031	5.2	0.178	0.000	5.2	796.783	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.943	25.664	25.689	0.025	3.4	0.146	0.000	3.4	795.363	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S14-4: 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	27.975	26.529	26.647	0.119	47.0	0.134	0.000	43.6	20.997	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.975	26.529	26.644	0.115	44.2	0.130	0.000	41.1	20.994	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.975	26.529	26.628	0.099	31.0	0.112	0.000	31.0	26.894	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.975	26.529	26.625	0.096	29.1	0.109	0.000	29.1	26.892	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.975	26.529	26.621	0.092	26.6	0.104	0.000	26.6	33.336	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.975	26.529	26.611	0.082	21.4	0.093	0.000	21.4	33.325	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.975	26.529	26.609	0.080	20.4	0.091	0.000	20.4	43.007	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.975	26.529	26.597	0.068	14.7	0.077	0.000	14.7	43.008	OK

FEH: 2 years: +0 %: 180 mins: Summer	27.975	26.529	26.601	0.072	16.5	0.082	0.000	16.5	49.370	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.975	26.529	26.589	0.060	11.4	0.068	0.000	11.4	49.338	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.975	26.529	26.595	0.067	14.0	0.076	0.000	14.0	54.212	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.975	26.529	26.584	0.055	9.4	0.062	0.000	9.4	54.224	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.975	26.529	26.588	0.059	10.9	0.067	0.000	10.9	61.569	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.975	26.529	26.577	0.048	7.2	0.055	0.000	7.2	61.558	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.975	26.529	26.583	0.054	9.1	0.061	0.000	9.1	67.321	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.975	26.529	26.572	0.044	5.9	0.050	0.000	5.9	67.292	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.975	26.529	26.579	0.050	7.8	0.057	0.000	7.8	72.066	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.975	26.529	26.569	0.041	5.1	0.046	0.000	5.1	72.030	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	27.975	26.529	26.576	0.047	6.9	0.053	0.000	6.9	76.133	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.975	26.529	26.567	0.038	4.5	0.043	0.000	4.5	76.157	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.975	26.529	26.572	0.043	5.6	0.049	0.000	5.6	83.067	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.975	26.529	26.563	0.035	3.6	0.039	0.000	3.6	82.995	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.975	26.529	26.566	0.038	4.3	0.043	0.000	4.3	93.877	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.975	26.529	26.559	0.031	2.8	0.035	0.000	2.8	93.848	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.975	26.529	26.561	0.033	3.2	0.037	0.000	3.2	106.482	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.975	26.529	26.555	0.027	2.1	0.030	0.000	2.1	106.483	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.975	26.529	26.559	0.030	2.6	0.034	0.000	2.7	116.724	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.975	26.529	26.553	0.024	1.7	0.028	0.000	1.7	116.851	OK

FEH: 2 years: +0 %: 4320 mins: Summer	27.975	26.529	26.555	0.026	2.0	0.030	0.000	2.0	134.213	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.975	26.529	26.550	0.022	1.3	0.024	0.000	1.3	134.053	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.975	26.529	26.553	0.024	1.7	0.027	0.000	1.7	149.393	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.975	26.529	26.548	0.020	1.1	0.022	0.000	1.1	149.107	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.975	26.529	26.551	0.023	1.5	0.026	0.000	1.5	164.147	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.975	26.529	26.547	0.019	1.0	0.021	0.000	1.0	163.717	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.975	26.529	26.550	0.022	1.3	0.025	0.000	1.3	177.689	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.975	26.529	26.546	0.018	0.9	0.020	0.000	0.9	176.767	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.975	26.529	26.549	0.021	1.2	0.024	0.000	1.2	190.751	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.975	26.529	26.546	0.017	0.8	0.019	0.000	0.8	189.787	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S03-4: 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	27.908	25.903	26.147	0.244	122.5	0.276	0.000	111.8	57.119	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.908	25.903	26.137	0.234	115.6	0.264	0.000	106.3	57.143	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.908	25.903	26.098	0.195	84.6	0.220	0.000	84.6	73.330	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.908	25.903	26.089	0.186	79.5	0.210	0.000	79.5	73.354	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.908	25.903	26.078	0.175	72.8	0.198	0.000	72.8	91.018	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.908	25.903	26.057	0.154	58.6	0.174	0.000	58.6	91.006	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.908	25.903	26.053	0.150	55.8	0.170	0.000	55.8	117.486	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.908	25.903	26.029	0.126	40.1	0.143	0.000	40.1	117.509	OK

FEH: 2 years: +0 %: 180 mins: Summer	27.908	25.903	26.037	0.134	45.2	0.152	0.000	45.2	134.874	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.908	25.903	26.014	0.111	31.1	0.125	0.000	31.1	134.837	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.908	25.903	26.026	0.123	38.4	0.140	0.000	38.4	148.123	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.908	25.903	26.004	0.101	25.8	0.114	0.000	25.8	148.105	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.908	25.903	26.011	0.108	29.8	0.123	0.000	29.8	168.268	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.908	25.903	25.991	0.088	19.6	0.099	0.000	19.6	168.298	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.908	25.903	26.002	0.099	24.9	0.112	0.000	25.0	183.934	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.908	25.903	25.983	0.080	16.1	0.090	0.000	16.1	183.934	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.908	25.903	25.995	0.092	21.4	0.104	0.000	21.4	196.900	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.908	25.903	25.977	0.074	13.8	0.084	0.000	13.8	196.897	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	27.908	25.903	25.989	0.086	18.9	0.098	0.000	18.9	208.107	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.908	25.903	25.972	0.069	12.2	0.079	0.000	12.2	208.155	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.908	25.903	25.981	0.078	15.4	0.088	0.000	15.4	226.850	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.908	25.903	25.966	0.063	10.0	0.071	0.000	10.0	226.856	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.908	25.903	25.971	0.068	11.6	0.077	0.000	11.6	256.602	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.908	25.903	25.958	0.055	7.5	0.062	0.000	7.5	256.661	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.908	25.903	25.962	0.059	8.8	0.067	0.000	8.8	290.853	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.908	25.903	25.951	0.048	5.7	0.054	0.000	5.7	291.024	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.908	25.903	25.957	0.054	7.2	0.061	0.000	7.2	319.021	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.908	25.903	25.947	0.044	4.7	0.049	0.000	4.7	318.815	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	27.908	25.903	25.951	0.048	5.5	0.054	0.000	5.5	366.251	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.908	25.903	25.942	0.039	3.6	0.044	0.000	3.6	366.329	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.908	25.903	25.947	0.044	4.6	0.049	0.000	4.6	408.047	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.908	25.903	25.939	0.036	3.0	0.040	0.000	3.0	408.401	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.908	25.903	25.944	0.041	4.1	0.046	0.000	4.0	446.573	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.908	25.903	25.936	0.033	2.6	0.038	0.000	2.6	446.537	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.908	25.903	25.942	0.039	3.7	0.044	0.000	3.7	483.689	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.908	25.903	25.935	0.032	2.3	0.036	0.000	2.3	483.359	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.908	25.903	25.940	0.037	3.4	0.042	0.000	3.4	518.681	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.908	25.903	25.934	0.031	2.2	0.035	0.000	2.2	517.961	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S13-4 : 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	27.975	25.850	26.004	0.154	43.6	0.174	0.000	35.6	20.800	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.975	25.850	26.000	0.150	41.1	0.170	0.000	34.0	20.794	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.975	25.850	25.990	0.140	31.0	0.158	0.000	31.0	26.805	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.975	25.850	25.985	0.135	29.1	0.153	0.000	29.0	26.805	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.975	25.850	25.979	0.129	26.6	0.146	0.000	26.6	33.282	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.975	25.850	25.966	0.115	21.4	0.130	0.000	21.4	33.275	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.975	25.850	25.963	0.113	20.4	0.127	0.000	20.4	42.993	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.975	25.850	25.946	0.095	14.7	0.108	0.000	14.7	43.000	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	27.975	25.850	25.952	0.101	16.5	0.115	0.000	16.5	49.390	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.975	25.850	25.935	0.085	11.4	0.096	0.000	11.4	49.366	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.975	25.850	25.944	0.094	14.0	0.106	0.000	14.0	54.253	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.975	25.850	25.928	0.077	9.4	0.087	0.000	9.4	54.274	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.975	25.850	25.933	0.083	10.9	0.094	0.000	10.9	61.635	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.975	25.850	25.918	0.068	7.2	0.077	0.000	7.2	61.631	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.975	25.850	25.926	0.076	9.1	0.086	0.000	9.1	67.400	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.975	25.850	25.912	0.062	5.9	0.070	0.000	5.9	67.375	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.975	25.850	25.921	0.071	7.8	0.080	0.000	7.8	72.151	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.975	25.850	25.908	0.057	5.1	0.065	0.000	5.1	72.118	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Summer	27.975	25.850	25.917	0.067	6.9	0.075	0.000	6.9	76.221	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.975	25.850	25.904	0.054	4.5	0.061	0.000	4.5	76.247	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.975	25.850	25.911	0.060	5.6	0.068	0.000	5.6	83.155	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.975	25.850	25.899	0.049	3.6	0.055	0.000	3.6	83.083	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.975	25.850	25.903	0.053	4.3	0.060	0.000	4.3	93.958	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.975	25.850	25.893	0.043	2.8	0.049	0.000	2.7	93.925	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.975	25.850	25.897	0.046	3.2	0.052	0.000	3.2	106.540	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.975	25.850	25.888	0.038	2.1	0.043	0.000	2.1	106.535	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.975	25.850	25.893	0.042	2.7	0.048	0.000	2.6	116.756	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.975	25.850	25.885	0.034	1.7	0.039	0.000	1.7	116.873	OK

FEH: 2 years: +0 %: 4320 mins: Summer	27.975	25.850	25.888	0.037	2.0	0.042	0.000	2.0	134.233	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.975	25.850	25.881	0.030	1.3	0.034	0.000	1.3	134.059	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.975	25.850	25.885	0.034	1.7	0.039	0.000	1.7	149.403	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.975	25.850	25.878	0.028	1.1	0.032	0.000	1.1	149.105	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.975	25.850	25.883	0.032	1.5	0.036	0.000	1.5	164.149	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.975	25.850	25.877	0.026	1.0	0.030	0.000	1.0	163.715	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.975	25.850	25.881	0.031	1.3	0.035	0.000	1.3	177.687	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.975	25.850	25.875	0.025	0.9	0.028	0.000	0.9	176.765	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.975	25.850	25.880	0.030	1.2	0.033	0.000	1.2	190.746	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.975	25.850	25.874	0.024	0.8	0.027	0.000	0.8	189.785	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S15-4: 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	27.970	26.937	27.056	0.119	45.8	0.134	0.000	44.6	19.903	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.970	26.937	27.052	0.115	43.0	0.130	0.000	41.9	19.903	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.970	26.937	27.031	0.094	29.4	0.106	0.000	29.4	25.508	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.970	26.937	27.027	0.090	27.6	0.102	0.000	27.6	25.507	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.970	26.937	27.023	0.086	25.3	0.098	0.000	25.3	31.636	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.970	26.937	27.014	0.077	20.4	0.087	0.000	20.4	31.641	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.970	26.937	27.012	0.075	19.4	0.085	0.000	19.4	40.844	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.970	26.937	27.001	0.064	13.9	0.072	0.000	14.0	40.854	OK

FEH: 2 years: +0 %: 180 mins: Summer	27.970	26.937	27.005	0.068	15.7	0.076	0.000	15.7	46.887	OK
FEH: 2 years: +0 %: 180 mins: Winter	27.970	26.937	26.993	0.056	10.8	0.063	0.000	10.8	46.870	OK
FEH: 2 years: +0 %: 240 mins: Summer	27.970	26.937	26.999	0.062	13.3	0.070	0.000	13.3	51.492	OK
FEH: 2 years: +0 %: 240 mins: Winter	27.970	26.937	26.988	0.051	9.0	0.058	0.000	9.0	51.490	OK
FEH: 2 years: +0 %: 360 mins: Summer	27.970	26.937	26.992	0.055	10.4	0.062	0.000	10.4	58.499	OK
FEH: 2 years: +0 %: 360 mins: Winter	27.970	26.937	26.982	0.045	6.8	0.050	0.000	6.8	58.497	OK
FEH: 2 years: +0 %: 480 mins: Summer	27.970	26.937	26.987	0.050	8.7	0.057	0.000	8.7	63.946	OK
FEH: 2 years: +0 %: 480 mins: Winter	27.970	26.937	26.977	0.040	5.6	0.046	0.000	5.6	63.938	OK
FEH: 2 years: +0 %: 600 mins: Summer	27.970	26.937	26.983	0.046	7.4	0.053	0.000	7.5	68.470	OK
FEH: 2 years: +0 %: 600 mins: Winter	27.970	26.937	26.975	0.038	4.8	0.043	0.000	4.8	68.456	OK

FEH: 2 years: +0 %: 720 mins: Summer	27.970	26.937	26.981	0.044	6.6	0.049	0.000	6.6	72.346	OK
FEH: 2 years: +0 %: 720 mins: Winter	27.970	26.937	26.972	0.035	4.2	0.040	0.000	4.2	72.350	OK
FEH: 2 years: +0 %: 960 mins: Summer	27.970	26.937	26.977	0.040	5.4	0.045	0.000	5.4	78.898	OK
FEH: 2 years: +0 %: 960 mins: Winter	27.970	26.937	26.969	0.032	3.5	0.036	0.000	3.5	78.871	OK
FEH: 2 years: +0 %: 1440 mins: Summer	27.970	26.937	26.972	0.035	4.1	0.039	0.000	4.1	89.211	OK
FEH: 2 years: +0 %: 1440 mins: Winter	27.970	26.937	26.965	0.028	2.6	0.032	0.000	2.6	89.197	OK
FEH: 2 years: +0 %: 2160 mins: Summer	27.970	26.937	26.967	0.030	3.1	0.034	0.000	3.1	101.175	OK
FEH: 2 years: +0 %: 2160 mins: Winter	27.970	26.937	26.962	0.025	2.0	0.028	0.000	2.0	101.149	OK
FEH: 2 years: +0 %: 2880 mins: Summer	27.970	26.937	26.965	0.028	2.5	0.031	0.000	2.5	111.014	OK
FEH: 2 years: +0 %: 2880 mins: Winter	27.970	26.937	26.960	0.023	1.6	0.026	0.000	1.6	110.971	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	27.970	26.937	26.961	0.024	1.9	0.028	0.000	1.9	127.616	OK
FEH: 2 years: +0 %: 4320 mins: Winter	27.970	26.937	26.957	0.020	1.2	0.022	0.000	1.2	127.476	OK
FEH: 2 years: +0 %: 5760 mins: Summer	27.970	26.937	26.960	0.023	1.6	0.025	0.000	1.6	141.848	OK
FEH: 2 years: +0 %: 5760 mins: Winter	27.970	26.937	26.955	0.018	1.0	0.021	0.000	1.0	141.708	OK
FEH: 2 years: +0 %: 7200 mins: Summer	27.970	26.937	26.958	0.021	1.4	0.024	0.000	1.4	155.510	OK
FEH: 2 years: +0 %: 7200 mins: Winter	27.970	26.937	26.954	0.017	0.9	0.019	0.000	0.9	155.256	OK
FEH: 2 years: +0 %: 8640 mins: Summer	27.970	26.937	26.957	0.020	1.3	0.023	0.000	1.3	167.947	OK
FEH: 2 years: +0 %: 8640 mins: Winter	27.970	26.937	26.953	0.016	0.8	0.019	0.000	0.8	167.544	OK
FEH: 2 years: +0 %: 10080 mins: Summer	27.970	26.937	26.956	0.019	1.2	0.022	0.000	1.2	180.103	OK
FEH: 2 years: +0 %: 10080 mins: Winter	27.970	26.937	26.953	0.016	0.8	0.018	0.000	0.8	179.748	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S16-4: 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	28.087	26.287	26.542	0.255	135.1	0.288	0.000	133.5	58.677	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.087	26.287	26.531	0.244	126.8	0.276	0.000	125.4	58.680	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.087	26.287	26.480	0.193	86.9	0.218	0.000	86.9	75.246	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.087	26.287	26.472	0.185	81.5	0.210	0.000	81.5	75.246	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.087	26.287	26.463	0.176	74.7	0.199	0.000	74.7	93.354	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.087	26.287	26.442	0.155	60.1	0.175	0.000	60.1	93.354	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.087	26.287	26.437	0.150	57.2	0.170	0.000	57.2	120.546	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.087	26.287	26.412	0.125	41.2	0.141	0.000	41.2	120.534	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 180 mins: Summer	28.087	26.287	26.420	0.133	46.3	0.151	0.000	46.3	138.348	OK
FEH: 2 years: +0 %: 180 mins: Winter	28.087	26.287	26.395	0.108	31.9	0.122	0.000	31.9	138.348	OK
FEH: 2 years: +0 %: 240 mins: Summer	28.087	26.287	26.408	0.121	39.4	0.137	0.000	39.4	151.938	OK
FEH: 2 years: +0 %: 240 mins: Winter	28.087	26.287	26.384	0.097	26.5	0.110	0.000	26.5	151.956	OK
FEH: 2 years: +0 %: 360 mins: Summer	28.087	26.287	26.392	0.105	30.6	0.119	0.000	30.6	172.602	OK
FEH: 2 years: +0 %: 360 mins: Winter	28.087	26.287	26.371	0.084	20.1	0.095	0.000	20.1	172.596	OK
FEH: 2 years: +0 %: 480 mins: Summer	28.087	26.287	26.383	0.096	25.6	0.108	0.000	25.6	188.676	OK
FEH: 2 years: +0 %: 480 mins: Winter	28.087	26.287	26.363	0.076	16.6	0.086	0.000	16.6	188.670	OK
FEH: 2 years: +0 %: 600 mins: Summer	28.087	26.287	26.375	0.088	22.0	0.100	0.000	22.0	202.014	OK
FEH: 2 years: +0 %: 600 mins: Winter	28.087	26.287	26.357	0.070	14.2	0.079	0.000	14.2	202.014	OK

FEH: 2 years: +0 %: 720 mins: Summer	28.087	26.287	26.369	0.082	19.4	0.093	0.000	19.4	213.504	OK
FEH: 2 years: +0 %: 720 mins: Winter	28.087	26.287	26.352	0.065	12.5	0.074	0.000	12.5	213.474	OK
FEH: 2 years: +0 %: 960 mins: Summer	28.087	26.287	26.361	0.074	15.8	0.084	0.000	15.8	232.698	OK
FEH: 2 years: +0 %: 960 mins: Winter	28.087	26.287	26.346	0.059	10.2	0.066	0.000	10.2	232.746	OK
FEH: 2 years: +0 %: 1440 mins: Summer	28.087	26.287	26.351	0.064	11.9	0.072	0.000	11.9	263.352	OK
FEH: 2 years: +0 %: 1440 mins: Winter	28.087	26.287	26.338	0.051	7.7	0.057	0.000	7.7	263.333	OK
FEH: 2 years: +0 %: 2160 mins: Summer	28.087	26.287	26.342	0.055	9.0	0.062	0.000	9.0	298.476	OK
FEH: 2 years: +0 %: 2160 mins: Winter	28.087	26.287	26.331	0.044	5.8	0.050	0.000	5.8	298.470	OK
FEH: 2 years: +0 %: 2880 mins: Summer	28.087	26.287	26.337	0.050	7.4	0.056	0.000	7.4	327.348	OK
FEH: 2 years: +0 %: 2880 mins: Winter	28.087	26.287	26.327	0.040	4.8	0.045	0.000	4.8	327.240	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Summer	28.087	26.287	26.330	0.043	5.7	0.049	0.000	5.7	376.355	OK
FEH: 2 years: +0 %: 4320 mins: Winter	28.087	26.287	26.322	0.035	3.7	0.039	0.000	3.7	376.320	OK
FEH: 2 years: +0 %: 5760 mins: Summer	28.087	26.287	26.327	0.040	4.8	0.045	0.000	4.8	418.674	OK
FEH: 2 years: +0 %: 5760 mins: Winter	28.087	26.287	26.319	0.032	3.1	0.036	0.000	3.1	418.997	OK
FEH: 2 years: +0 %: 7200 mins: Summer	28.087	26.287	26.324	0.037	4.2	0.042	0.000	4.2	458.112	OK
FEH: 2 years: +0 %: 7200 mins: Winter	28.087	26.287	26.317	0.030	2.7	0.034	0.000	2.7	458.094	OK
FEH: 2 years: +0 %: 8640 mins: Summer	28.087	26.287	26.322	0.035	3.8	0.040	0.000	3.8	495.678	OK
FEH: 2 years: +0 %: 8640 mins: Winter	28.087	26.287	26.315	0.028	2.4	0.032	0.000	2.4	496.098	OK
FEH: 2 years: +0 %: 10080 mins: Summer	28.087	26.287	26.321	0.034	3.5	0.038	0.000	3.5	531.960	OK
FEH: 2 years: +0 %: 10080 mins: Winter	28.087	26.287	26.314	0.027	2.2	0.031	0.000	2.2	531.612	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S12 -4: 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	27.975	25.640	25.801	0.161	87.5	0.182	0.000	82.3	46.836	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.975	25.640	25.796	0.156	83.2	0.177	0.000	78.6	46.833	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.975	25.640	25.793	0.153	71.1	0.173	0.000	70.2	60.588	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.975	25.640	25.788	0.148	66.7	0.167	0.000	65.9	60.586	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.975	25.640	25.816	0.176	61.6	0.199	0.000	61.0	75.203	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.975	25.640	25.816	0.176	49.6	0.199	0.000	50.3	75.213	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.975	25.640	25.871	0.231	42.9	0.261	0.000	43.8	88.223	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.975	25.640	25.871	0.231	30.9	0.261	0.000	31.0	88.235	OK

FEH: 30 years: +0 %: 180 mins: Summer	27.975	25.640	25.904	0.264	33.3	0.298	0.000	33.4	96.632	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.975	25.640	25.904	0.264	23.0	0.298	0.000	23.0	96.597	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.975	25.640	25.927	0.287	27.6	0.324	0.000	26.5	103.294	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.975	25.640	25.927	0.287	18.7	0.325	0.000	18.2	103.270	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.975	25.640	25.956	0.316	20.8	0.358	0.000	19.8	113.850	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.975	25.640	25.957	0.317	13.9	0.359	0.000	13.2	113.836	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.975	25.640	25.975	0.335	17.4	0.379	0.000	16.3	122.442	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.975	25.640	25.976	0.336	11.1	0.380	0.000	10.6	122.449	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.975	25.640	25.988	0.348	14.5	0.393	0.000	13.6	129.883	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.975	25.640	25.989	0.349	9.3	0.395	0.000	8.8	129.874	OK

FEH: 30 years: +0 %: 720 mins: Summer	27.975	25.640	25.996	0.356	12.6	0.403	0.000	11.8	136.384	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.975	25.640	25.998	0.358	8.1	0.405	0.000	7.6	136.309	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.975	25.640	26.004	0.364	10.2	0.411	0.000	9.5	147.394	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.975	25.640	26.006	0.366	6.6	0.414	0.000	6.2	147.418	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.975	25.640	26.003	0.363	7.5	0.410	0.000	7.1	165.432	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.975	25.640	26.005	0.365	4.9	0.413	0.000	4.6	165.553	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.975	25.640	25.993	0.353	5.6	0.399	0.000	5.3	184.873	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.975	25.640	25.988	0.348	3.6	0.393	0.000	3.4	184.896	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.975	25.640	25.981	0.341	4.6	0.385	0.000	4.3	200.262	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.975	25.640	25.968	0.328	2.9	0.372	0.000	2.8	200.321	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	27.975	25.640	25.957	0.317	3.4	0.358	0.000	3.3	226.001	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.975	25.640	25.924	0.284	2.2	0.321	0.000	2.1	226.198	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.975	25.640	25.934	0.294	2.8	0.332	0.000	2.7	247.882	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.975	25.640	25.878	0.238	1.8	0.270	0.000	1.8	247.804	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.975	25.640	25.913	0.273	2.4	0.309	0.000	2.4	268.023	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.975	25.640	25.837	0.197	1.6	0.222	0.000	1.6	267.841	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.975	25.640	25.893	0.253	2.2	0.287	0.000	2.1	287.064	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.975	25.640	25.798	0.158	1.4	0.179	0.000	1.4	287.219	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.975	25.640	25.875	0.235	2.0	0.266	0.000	2.0	305.886	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.975	25.640	25.764	0.124	1.3	0.140	0.000	1.3	306.143	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S04 - 4 : 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	27.886	25.701	26.366	0.665	326.5	0.752	0.000	315.6	169.550	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.886	25.701	26.289	0.588	301.2	0.665	0.000	295.3	169.524	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.886	25.701	26.204	0.503	251.7	0.569	0.000	251.5	221.051	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	27.886	25.701	26.178	0.477	236.8	0.539	0.000	236.6	221.063	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	27.886	25.701	26.151	0.450	219.7	0.509	0.000	219.5	276.293	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	27.886	25.701	26.085	0.384	178.0	0.435	0.000	177.8	276.254	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.886	25.701	26.052	0.351	154.2	0.397	0.000	154.1	324.102	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.886	25.701	25.988	0.287	111.1	0.325	0.000	111.0	324.126	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.886	25.701	26.003	0.302	119.8	0.342	0.000	119.7	356.349	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.886	25.701	25.945	0.244	82.6	0.276	0.000	82.5	356.363	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.886	25.701	25.973	0.272	99.2	0.307	0.000	99.0	381.778	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.886	25.701	25.927	0.226	66.7	0.255	0.000	66.8	381.530	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.886	25.701	25.956	0.255	74.6	0.289	0.000	74.7	419.952	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.886	25.701	25.957	0.256	49.1	0.290	0.000	49.2	419.792	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.886	25.701	25.975	0.274	61.2	0.310	0.000	61.3	450.147	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.886	25.701	25.976	0.275	39.6	0.311	0.000	39.7	450.034	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.886	25.701	25.988	0.287	51.9	0.324	0.000	51.3	475.567	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.886	25.701	25.989	0.288	33.5	0.326	0.000	33.4	475.502	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.886	25.701	25.996	0.295	45.2	0.334	0.000	45.4	497.701	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.886	25.701	25.998	0.297	29.2	0.336	0.000	29.1	497.677	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.886	25.701	26.004	0.303	36.5	0.343	0.000	36.4	535.407	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.886	25.701	26.006	0.305	23.5	0.345	0.000	23.5	535.379	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.886	25.701	26.003	0.302	27.0	0.341	0.000	27.0	595.679	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.886	25.701	26.006	0.305	17.4	0.344	0.000	17.4	595.527	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.886	25.701	25.993	0.292	20.1	0.330	0.000	20.1	663.849	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.886	25.701	25.988	0.287	13.0	0.325	0.000	13.0	663.845	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.886	25.701	25.981	0.280	16.3	0.317	0.000	16.3	719.423	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.886	25.701	25.969	0.268	10.5	0.303	0.000	10.5	719.680	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	27.886	25.701	25.957	0.256	12.3	0.289	0.000	12.3	811.786	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.886	25.701	25.924	0.223	7.9	0.252	0.000	7.9	811.713	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.886	25.701	25.934	0.233	10.1	0.264	0.000	10.1	891.212	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.886	25.701	25.879	0.178	6.5	0.201	0.000	6.5	890.827	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.886	25.701	25.913	0.212	8.7	0.240	0.000	8.7	963.440	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.886	25.701	25.837	0.136	5.7	0.154	0.000	5.7	962.941	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.886	25.701	25.894	0.193	7.8	0.218	0.000	7.8	1032.079	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.886	25.701	25.799	0.098	5.0	0.111	0.000	5.0	1031.178	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.886	25.701	25.875	0.174	7.1	0.197	0.000	7.1	1098.055	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.886	25.701	25.768	0.067	4.6	0.076	0.000	4.6	1098.564	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S05 - 4: 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	27.792	25.689	26.221	0.532	329.6	0.602	0.000	318.5	175.600	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.792	25.689	26.161	0.472	308.4	0.534	0.000	303.6	175.575	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.792	25.689	26.092	0.403	260.6	0.456	0.000	260.4	228.821	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.792	25.689	26.074	0.385	245.2	0.436	0.000	245.0	228.847	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.792	25.689	26.058	0.369	227.5	0.417	0.000	227.3	285.923	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.792	25.689	26.011	0.322	184.2	0.364	0.000	184.1	285.859	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.792	25.689	25.987	0.298	159.6	0.337	0.000	159.5	335.239	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.792	25.689	25.937	0.248	114.9	0.280	0.000	114.9	335.240	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.792	25.689	25.949	0.260	124.0	0.294	0.000	123.9	368.551	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.792	25.689	25.904	0.215	85.5	0.243	0.000	85.4	368.559	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.792	25.689	25.926	0.237	102.6	0.268	0.000	102.5	394.821	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.792	25.689	25.927	0.238	69.2	0.269	0.000	69.2	394.497	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.792	25.689	25.956	0.267	77.3	0.302	0.000	77.4	434.318	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.792	25.689	25.957	0.268	50.9	0.303	0.000	51.6	434.087	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.792	25.689	25.975	0.286	63.5	0.324	0.000	63.5	465.584	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.792	25.689	25.976	0.287	41.2	0.325	0.000	42.1	465.492	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.792	25.689	25.988	0.299	53.1	0.338	0.000	58.0	491.885	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.792	25.689	25.989	0.300	34.6	0.339	0.000	34.6	491.960	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.792	25.689	25.996	0.307	47.0	0.347	0.000	49.5	514.950	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.792	25.689	25.998	0.309	30.2	0.349	0.000	30.1	515.005	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.792	25.689	26.004	0.315	37.7	0.356	0.000	37.6	554.252	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.792	25.689	26.006	0.317	24.3	0.359	0.000	24.3	554.268	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.792	25.689	26.003	0.314	27.9	0.355	0.000	27.9	617.034	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.792	25.689	26.005	0.316	18.0	0.358	0.000	18.0	616.933	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.792	25.689	25.993	0.304	20.8	0.344	0.000	20.7	687.667	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.792	25.689	25.988	0.299	13.4	0.338	0.000	13.4	687.664	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.792	25.689	25.981	0.292	16.9	0.330	0.000	16.9	745.271	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.792	25.689	25.969	0.280	10.9	0.316	0.000	10.9	745.574	OK

FEH: 30 years: +0 %: 4320 mins: Summer	27.792	25.689	25.957	0.268	12.7	0.303	0.000	12.7	840.939	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.792	25.689	25.924	0.235	8.2	0.265	0.000	8.2	840.763	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.792	25.689	25.934	0.245	10.5	0.277	0.000	10.5	923.021	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.792	25.689	25.879	0.190	6.7	0.214	0.000	6.7	922.746	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.792	25.689	25.913	0.224	9.1	0.253	0.000	9.1	998.174	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.792	25.689	25.837	0.148	5.9	0.167	0.000	5.9	998.002	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.792	25.689	25.893	0.204	8.1	0.231	0.000	8.1	1069.009	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.792	25.689	25.799	0.110	5.2	0.124	0.000	5.2	1067.896	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.792	25.689	25.875	0.186	7.4	0.211	0.000	7.4	1137.150	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.792	25.689	25.766	0.077	4.8	0.087	0.000	4.8	1138.004	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S07 - 4: 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	27.633	25.344	25.675	0.332	8.1	0.375	0.000	5.6	6.970	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.633	25.344	25.675	0.332	6.9	0.375	0.000	5.6	7.021	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.633	25.344	25.743	0.399	6.0	0.451	0.000	5.6	15.626	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	27.633	25.344	25.743	0.399	5.9	0.451	0.000	5.6	15.724	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	27.633	25.344	25.813	0.469	5.9	0.531	0.000	5.6	33.051	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	27.633	25.344	25.813	0.469	5.9	0.531	0.000	5.6	33.217	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	27.633	25.344	25.868	0.524	5.8	0.593	0.000	5.6	68.122	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	27.633	25.344	25.868	0.524	5.7	0.593	0.000	5.6	68.339	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.633	25.344	25.901	0.557	5.8	0.630	0.000	5.6	103.248	Surcharged
FEH: 30 years: +0 %: 180 mins: Winter	27.633	25.344	25.901	0.557	5.7	0.630	0.000	5.6	103.503	Surcharged
FEH: 30 years: +0 %: 240 mins: Summer	27.633	25.344	25.924	0.580	5.7	0.656	0.000	5.6	138.415	Surcharged
FEH: 30 years: +0 %: 240 mins: Winter	27.633	25.344	25.924	0.580	5.7	0.656	0.000	5.6	138.705	Surcharged
FEH: 30 years: +0 %: 360 mins: Summer	27.633	25.344	25.953	0.610	5.7	0.689	0.000	5.6	208.693	Surcharged
FEH: 30 years: +0 %: 360 mins: Winter	27.633	25.344	25.954	0.610	5.7	0.690	0.000	5.6	209.071	Surcharged
FEH: 30 years: +0 %: 480 mins: Summer	27.633	25.344	25.972	0.628	5.7	0.711	0.000	5.6	279.044	Surcharged
FEH: 30 years: +0 %: 480 mins: Winter	27.633	25.344	25.973	0.629	5.7	0.712	0.000	5.6	279.525	Surcharged
FEH: 30 years: +0 %: 600 mins: Summer	27.633	25.344	25.985	0.641	5.7	0.725	0.000	5.6	349.586	Surcharged
FEH: 30 years: +0 %: 600 mins: Winter	27.633	25.344	25.986	0.642	5.6	0.726	0.000	5.6	350.217	Surcharged

FEH: 30 years: +0 %: 720 mins: Summer	27.633	25.344	25.993	0.649	5.7	0.734	0.000	5.6	420.392	Surcharged
FEH: 30 years: +0 %: 720 mins: Winter	27.633	25.344	25.995	0.651	5.6	0.736	0.000	5.6	421.193	Surcharged
FEH: 30 years: +0 %: 960 mins: Summer	27.633	25.344	26.001	0.657	5.6	0.743	0.000	5.6	562.803	Surcharged
FEH: 30 years: +0 %: 960 mins: Winter	27.633	25.344	26.004	0.660	5.6	0.746	0.000	5.6	564.112	Surcharged
FEH: 30 years: +0 %: 1440 mins: Summer	27.633	25.344	26.000	0.656	5.6	0.742	0.000	5.6	849.751	Surcharged
FEH: 30 years: +0 %: 1440 mins: Winter	27.633	25.344	26.003	0.659	5.6	0.745	0.000	5.6	852.630	Surcharged
FEH: 30 years: +0 %: 2160 mins: Summer	27.633	25.344	25.990	0.646	5.6	0.731	0.000	5.6	1258.947	Surcharged
FEH: 30 years: +0 %: 2160 mins: Winter	27.633	25.344	25.985	0.641	5.6	0.725	0.000	5.6	1263.920	Surcharged
FEH: 30 years: +0 %: 2880 mins: Summer	27.633	25.344	25.978	0.634	5.6	0.717	0.000	5.6	1425.242	Surcharged
FEH: 30 years: +0 %: 2880 mins: Winter	27.633	25.344	25.965	0.622	5.6	0.703	0.000	5.6	1426.067	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	27.633	25.344	25.954	0.610	5.6	0.690	0.000	5.6	1621.211	Surcharged
FEH: 30 years: +0 %: 4320 mins: Winter	27.633	25.344	25.920	0.577	5.6	0.652	0.000	5.6	1621.487	Surcharged
FEH: 30 years: +0 %: 5760 mins: Summer	27.633	25.344	25.931	0.587	5.6	0.664	0.000	5.6	1782.564	Surcharged
FEH: 30 years: +0 %: 5760 mins: Winter	27.633	25.344	25.875	0.531	5.6	0.601	0.000	5.6	1782.287	Surcharged
FEH: 30 years: +0 %: 7200 mins: Summer	27.633	25.344	25.910	0.566	5.6	0.640	0.000	5.6	1929.054	Surcharged
FEH: 30 years: +0 %: 7200 mins: Winter	27.633	25.344	25.833	0.489	5.6	0.553	0.000	5.6	1929.012	Surcharged
FEH: 30 years: +0 %: 8640 mins: Summer	27.633	25.344	25.890	0.546	5.6	0.618	0.000	5.6	2066.228	Surcharged
FEH: 30 years: +0 %: 8640 mins: Winter	27.633	25.344	25.795	0.451	5.6	0.510	0.000	5.6	2065.293	Surcharged
FEH: 30 years: +0 %: 10080 mins: Summer	27.633	25.344	25.872	0.528	5.6	0.597	0.000	5.6	2198.757	Surcharged
FEH: 30 years: +0 %: 10080 mins: Winter	27.633	25.344	25.761	0.417	5.6	0.472	0.000	5.6	2200.364	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S01 - 4: 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	27.945	26.045	26.628	0.583	94.3	0.659	0.000	86.9	40.999	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.945	26.045	26.568	0.523	88.5	0.592	0.000	77.6	40.999	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.945	26.045	26.385	0.340	61.7	0.385	0.000	60.9	53.461	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.945	26.045	26.334	0.289	57.9	0.326	0.000	57.4	53.467	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.945	26.045	26.295	0.250	53.5	0.283	0.000	53.3	66.900	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.945	26.045	26.235	0.190	43.0	0.214	0.000	43.0	66.888	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.945	26.045	26.214	0.169	37.3	0.191	0.000	37.3	78.537	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.945	26.045	26.181	0.136	26.8	0.154	0.000	26.8	78.546	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.945	26.045	26.187	0.142	28.9	0.161	0.000	28.9	86.365	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.945	26.045	26.158	0.113	19.9	0.128	0.000	19.9	86.373	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.945	26.045	26.172	0.127	23.9	0.143	0.000	23.9	92.441	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.945	26.045	26.145	0.100	16.1	0.113	0.000	16.1	92.437	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.945	26.045	26.152	0.107	18.0	0.121	0.000	18.0	101.739	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.945	26.045	26.129	0.084	11.9	0.096	0.000	11.9	101.712	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.945	26.045	26.140	0.095	14.8	0.108	0.000	14.8	109.016	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.945	26.045	26.120	0.075	9.6	0.085	0.000	9.6	108.995	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.945	26.045	26.132	0.087	12.5	0.098	0.000	12.5	115.123	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.945	26.045	26.114	0.069	8.1	0.078	0.000	8.1	115.120	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.945	26.045	26.126	0.081	10.9	0.091	0.000	10.9	120.451	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.945	26.045	26.109	0.064	7.1	0.072	0.000	7.1	120.423	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.945	26.045	26.117	0.072	8.8	0.081	0.000	8.8	129.451	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.945	26.045	26.103	0.058	5.7	0.065	0.000	5.7	129.455	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.945	26.045	26.107	0.062	6.5	0.070	0.000	6.5	143.904	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.945	26.045	26.095	0.050	4.2	0.056	0.000	4.2	143.793	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.945	26.045	26.098	0.053	4.9	0.060	0.000	4.9	160.307	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.945	26.045	26.088	0.043	3.1	0.049	0.000	3.1	160.327	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.945	26.045	26.093	0.048	3.9	0.055	0.000	3.9	173.578	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.945	26.045	26.084	0.039	2.5	0.044	0.000	2.5	173.749	OK

FEH: 30 years: +0 %: 4320 mins: Summer	27.945	26.045	26.087	0.042	3.0	0.048	0.000	3.0	195.909	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.945	26.045	26.079	0.034	1.9	0.039	0.000	1.9	196.255	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.945	26.045	26.084	0.039	2.4	0.044	0.000	2.4	215.379	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.945	26.045	26.076	0.031	1.6	0.035	0.000	1.6	215.137	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.945	26.045	26.081	0.036	2.1	0.041	0.000	2.1	232.605	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.945	26.045	26.074	0.029	1.4	0.033	0.000	1.4	232.747	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.945	26.045	26.079	0.034	1.9	0.039	0.000	1.9	249.236	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.945	26.045	26.073	0.028	1.2	0.032	0.000	1.2	249.145	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.945	26.045	26.078	0.033	1.7	0.037	0.000	1.7	265.022	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.945	26.045	26.072	0.027	1.1	0.030	0.000	1.1	265.375	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S02 - 4: 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	27.946	25.986	26.616	0.630	103.9	0.713	0.000	84.6	58.378	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.946	25.986	26.512	0.526	103.2	0.595	0.000	77.0	58.303	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.946	25.986	26.370	0.384	86.8	0.435	0.000	84.7	75.856	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.946	25.986	26.315	0.329	81.7	0.372	0.000	80.4	75.858	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.946	25.986	26.271	0.285	75.8	0.323	0.000	74.8	94.950	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.946	25.986	26.208	0.222	61.1	0.251	0.000	61.0	94.935	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.946	25.986	26.184	0.198	52.9	0.224	0.000	52.9	111.487	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.946	25.986	26.145	0.159	38.1	0.180	0.000	38.1	111.506	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.946	25.986	26.153	0.167	41.1	0.188	0.000	41.1	122.587	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.946	25.986	26.120	0.134	28.3	0.151	0.000	28.3	122.631	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.946	25.986	26.135	0.149	34.0	0.168	0.000	34.0	131.263	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.946	25.986	26.104	0.118	22.9	0.134	0.000	22.9	131.258	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.946	25.986	26.112	0.126	25.6	0.143	0.000	25.6	144.461	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.946	25.986	26.086	0.100	16.8	0.113	0.000	16.9	144.463	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.946	25.986	26.099	0.113	21.0	0.128	0.000	21.0	154.795	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.946	25.986	26.075	0.089	13.6	0.101	0.000	13.6	154.780	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.946	25.986	26.089	0.103	17.8	0.117	0.000	17.8	163.476	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.946	25.986	26.067	0.081	11.5	0.092	0.000	11.5	163.491	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.946	25.986	26.082	0.096	15.5	0.108	0.000	15.5	171.061	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.946	25.986	26.062	0.076	10.0	0.086	0.000	10.0	171.035	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.946	25.986	26.071	0.085	12.5	0.096	0.000	12.5	183.863	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.946	25.986	26.054	0.068	8.1	0.077	0.000	8.1	183.825	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.946	25.986	26.059	0.073	9.3	0.083	0.000	9.3	204.369	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.946	25.986	26.045	0.059	6.0	0.067	0.000	6.0	204.224	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.946	25.986	26.049	0.063	6.9	0.072	0.000	6.9	227.637	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.946	25.986	26.037	0.051	4.5	0.058	0.000	4.4	227.739	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.946	25.986	26.043	0.057	5.6	0.065	0.000	5.6	246.580	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.946	25.986	26.032	0.046	3.6	0.053	0.000	3.6	246.878	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	27.946	25.986	26.036	0.050	4.2	0.056	0.000	4.2	278.294	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.946	25.986	26.027	0.041	2.7	0.046	0.000	2.7	278.597	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.946	25.986	26.032	0.046	3.5	0.051	0.000	3.5	305.890	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.946	25.986	26.023	0.037	2.2	0.042	0.000	2.2	305.567	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.946	25.986	26.028	0.042	3.0	0.048	0.000	3.0	330.400	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.946	25.986	26.021	0.035	1.9	0.039	0.000	1.9	330.293	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.946	25.986	26.026	0.040	2.7	0.045	0.000	2.7	353.848	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.946	25.986	26.019	0.033	1.7	0.037	0.000	1.7	353.747	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.946	25.986	26.025	0.039	2.4	0.044	0.000	2.4	376.792	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.946	25.986	26.017	0.031	1.6	0.036	0.000	1.6	377.843	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S-19- 4: 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	26.950	26.350	26.566	0.216	34.5	0.078	0.000	5.8	9.947	OK
FEH: 30 years: +0 %: 15 mins: Winter	26.950	26.350	26.463	0.113	21.2	0.041	0.000	9.7	9.880	OK
FEH: 30 years: +0 %: 30 mins: Summer	26.950	26.350	26.428	0.078	14.8	0.028	0.000	14.8	12.717	OK
FEH: 30 years: +0 %: 30 mins: Winter	26.950	26.350	26.426	0.076	13.8	0.028	0.000	13.8	12.722	OK
FEH: 30 years: +0 %: 60 mins: Summer	26.950	26.350	26.424	0.074	12.8	0.027	0.000	12.8	15.948	OK
FEH: 30 years: +0 %: 60 mins: Winter	26.950	26.350	26.417	0.067	10.3	0.024	0.000	10.3	15.973	OK
FEH: 30 years: +0 %: 120 mins: Summer	26.950	26.350	26.412	0.062	8.9	0.022	0.000	8.9	18.780	OK
FEH: 30 years: +0 %: 120 mins: Winter	26.950	26.350	26.403	0.053	6.4	0.019	0.000	6.4	18.774	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	26.950	26.350	26.405	0.055	6.9	0.020	0.000	6.9	20.640	OK
FEH: 30 years: +0 %: 180 mins: Winter	26.950	26.350	26.396	0.046	4.8	0.016	0.000	4.8	20.639	OK
FEH: 30 years: +0 %: 240 mins: Summer	26.950	26.350	26.400	0.050	5.7	0.018	0.000	5.7	22.110	OK
FEH: 30 years: +0 %: 240 mins: Winter	26.950	26.350	26.391	0.041	3.8	0.015	0.000	3.8	22.109	OK
FEH: 30 years: +0 %: 360 mins: Summer	26.950	26.350	26.393	0.043	4.3	0.016	0.000	4.3	24.323	OK
FEH: 30 years: +0 %: 360 mins: Winter	26.950	26.350	26.385	0.035	2.8	0.013	0.000	2.8	24.335	OK
FEH: 30 years: +0 %: 480 mins: Summer	26.950	26.350	26.389	0.039	3.5	0.014	0.000	3.5	26.075	OK
FEH: 30 years: +0 %: 480 mins: Winter	26.950	26.350	26.382	0.032	2.3	0.011	0.000	2.3	26.045	OK
FEH: 30 years: +0 %: 600 mins: Summer	26.950	26.350	26.386	0.036	3.0	0.013	0.000	3.0	27.515	OK
FEH: 30 years: +0 %: 600 mins: Winter	26.950	26.350	26.379	0.029	1.9	0.011	0.000	1.9	27.533	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	26.950	26.350	26.384	0.034	2.6	0.012	0.000	2.6	28.811	OK
FEH: 30 years: +0 %: 720 mins: Winter	26.950	26.350	26.378	0.028	1.7	0.010	0.000	1.7	28.823	OK
FEH: 30 years: +0 %: 960 mins: Summer	26.950	26.350	26.381	0.031	2.1	0.011	0.000	2.1	30.944	OK
FEH: 30 years: +0 %: 960 mins: Winter	26.950	26.350	26.375	0.025	1.4	0.009	0.000	1.4	30.941	OK
FEH: 30 years: +0 %: 1440 mins: Summer	26.950	26.350	26.377	0.027	1.6	0.010	0.000	1.6	34.421	OK
FEH: 30 years: +0 %: 1440 mins: Winter	26.950	26.350	26.372	0.022	1.0	0.008	0.000	1.0	34.397	OK
FEH: 30 years: +0 %: 2160 mins: Summer	26.950	26.350	26.373	0.023	1.2	0.008	0.000	1.2	38.303	OK
FEH: 30 years: +0 %: 2160 mins: Winter	26.950	26.350	26.369	0.019	0.8	0.007	0.000	0.8	38.351	OK
FEH: 30 years: +0 %: 2880 mins: Summer	26.950	26.350	26.371	0.021	0.9	0.008	0.000	0.9	41.579	OK
FEH: 30 years: +0 %: 2880 mins: Winter	26.950	26.350	26.367	0.017	0.6	0.006	0.000	0.6	41.717	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	26.950	26.350	26.368	0.018	0.7	0.007	0.000	0.7	46.871	OK
FEH: 30 years: +0 %: 4320 mins: Winter	26.950	26.350	26.365	0.015	0.5	0.005	0.000	0.5	46.931	OK
FEH: 30 years: +0 %: 5760 mins: Summer	26.950	26.350	26.367	0.017	0.6	0.006	0.000	0.6	51.599	OK
FEH: 30 years: +0 %: 5760 mins: Winter	26.950	26.350	26.364	0.014	0.4	0.005	0.000	0.4	51.575	OK
FEH: 30 years: +0 %: 7200 mins: Summer	26.950	26.350	26.366	0.016	0.5	0.006	0.000	0.5	55.721	OK
FEH: 30 years: +0 %: 7200 mins: Winter	26.950	26.350	26.363	0.013	0.3	0.005	0.000	0.3	55.805	OK
FEH: 30 years: +0 %: 8640 mins: Summer	26.950	26.350	26.365	0.015	0.4	0.005	0.000	0.4	59.519	OK
FEH: 30 years: +0 %: 8640 mins: Winter	26.950	26.350	26.362	0.012	0.3	0.004	0.000	0.3	59.501	OK
FEH: 30 years: +0 %: 10080 mins: Summer	26.950	26.350	26.364	0.014	0.4	0.005	0.000	0.4	63.623	OK
FEH: 30 years: +0 %: 10080 mins: Winter	26.950	26.350	26.362	0.012	0.3	0.004	0.000	0.3	64.085	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	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	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	6.923	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	6.973	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.578	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.677	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	33.003	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	33.170	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	68.075	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	68.292	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	103.201	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	103.456	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	138.368	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	138.658	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	208.646	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	209.024	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	278.997	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	279.478	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	349.539	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	350.170	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	420.345	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	421.146	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	562.756	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	564.064	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	849.704	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	852.582	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1258.907	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1263.882	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1425.232	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1426.057	OK

FEH: 30 years: +0 %: 4320 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1621.207	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1621.483	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1782.562	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1782.285	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1929.053	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1929.011	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2066.227	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2065.292	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2198.756	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2200.363	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Full Retention oil Interceptor: 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	27.943	25.664	25.973	0.309	318.5	1.769	0.000	311.4	175.581	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.943	25.664	25.964	0.300	303.6	1.719	0.000	297.1	175.555	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.943	25.664	25.947	0.283	260.4	1.619	0.000	259.6	228.261	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.943	25.664	25.937	0.273	245.0	1.561	0.000	244.5	228.280	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.943	25.664	25.930	0.266	227.3	1.526	0.000	226.6	284.743	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.943	25.664	25.900	0.236	184.1	1.349	0.000	183.7	284.658	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.943	25.664	25.887	0.223	159.5	1.275	0.000	159.0	333.581	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.943	25.664	25.871	0.207	114.9	1.185	0.000	114.6	333.591	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.943	25.664	25.904	0.240	123.9	1.372	0.000	123.5	366.691	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.943	25.664	25.904	0.240	85.4	1.373	0.000	85.4	366.708	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.943	25.664	25.927	0.263	102.5	1.503	0.000	102.2	392.815	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.943	25.664	25.927	0.263	69.2	1.506	0.000	69.4	392.562	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.943	25.664	25.956	0.292	77.4	1.674	0.000	77.6	432.286	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.943	25.664	25.957	0.293	51.6	1.678	0.000	50.8	432.180	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.943	25.664	25.975	0.311	63.5	1.782	0.000	63.7	463.648	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.943	25.664	25.976	0.312	42.1	1.788	0.000	41.1	463.624	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.943	25.664	25.988	0.324	58.0	1.854	0.000	54.1	490.190	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.943	25.664	25.989	0.325	34.6	1.862	0.000	34.6	490.149	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.943	25.664	25.996	0.332	49.5	1.901	0.000	46.4	513.392	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.943	25.664	25.998	0.334	30.1	1.911	0.000	30.1	513.379	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.943	25.664	26.004	0.340	37.6	1.946	0.000	38.1	553.061	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.943	25.664	26.006	0.342	24.3	1.961	0.000	24.3	553.096	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.943	25.664	26.003	0.339	27.9	1.938	0.000	27.8	616.888	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.943	25.664	26.005	0.341	18.0	1.955	0.000	17.8	616.800	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.943	25.664	25.993	0.329	20.7	1.882	0.000	20.8	687.687	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.943	25.664	25.988	0.324	13.4	1.855	0.000	13.3	687.675	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.943	25.664	25.981	0.317	16.9	1.814	0.000	16.7	745.288	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.943	25.664	25.969	0.305	10.9	1.744	0.000	10.8	745.583	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	27.943	25.664	25.957	0.293	12.7	1.677	0.000	12.6	840.947	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.943	25.664	25.924	0.260	8.2	1.486	0.000	8.1	840.770	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.943	25.664	25.934	0.270	10.5	1.545	0.000	10.4	923.030	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.943	25.664	25.879	0.215	6.7	1.228	0.000	6.7	922.758	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.943	25.664	25.913	0.249	9.1	1.425	0.000	9.1	998.182	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.943	25.664	25.837	0.173	5.9	0.988	0.000	5.9	998.012	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.943	25.664	25.893	0.229	8.1	1.313	0.000	8.1	1069.014	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.943	25.664	25.798	0.134	5.2	0.768	0.000	5.2	1067.901	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.943	25.664	25.875	0.211	7.4	1.210	0.000	7.4	1137.155	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.943	25.664	25.764	0.100	4.8	0.574	0.000	4.8	1138.010	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S14 -4: 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	27.975	26.529	26.708	0.179	94.3	0.202	0.000	88.1	41.913	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.975	26.529	26.701	0.172	88.6	0.195	0.000	83.1	41.916	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.975	26.529	26.673	0.144	63.0	0.163	0.000	63.0	54.660	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.975	26.529	26.668	0.140	59.1	0.158	0.000	59.1	54.655	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.975	26.529	26.662	0.134	54.7	0.151	0.000	54.7	68.369	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.975	26.529	26.648	0.119	44.0	0.135	0.000	44.0	68.369	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.975	26.529	26.639	0.110	38.1	0.125	0.000	38.1	80.264	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.975	26.529	26.622	0.093	27.4	0.105	0.000	27.4	80.269	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.975	26.529	26.626	0.097	29.6	0.110	0.000	29.6	88.288	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.975	26.529	26.609	0.080	20.4	0.091	0.000	20.4	88.259	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.975	26.529	26.617	0.088	24.5	0.100	0.000	24.5	94.497	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.975	26.529	26.601	0.072	16.4	0.082	0.000	16.5	94.469	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.975	26.529	26.605	0.076	18.4	0.086	0.000	18.4	103.983	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.975	26.529	26.591	0.062	12.1	0.070	0.000	12.1	103.968	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.975	26.529	26.598	0.069	15.1	0.078	0.000	15.1	111.436	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.975	26.529	26.585	0.056	9.8	0.063	0.000	9.8	111.445	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.975	26.529	26.592	0.064	12.8	0.072	0.000	12.8	117.707	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.975	26.529	26.580	0.052	8.3	0.058	0.000	8.3	117.659	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.975	26.529	26.588	0.060	11.2	0.068	0.000	11.2	123.136	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.975	26.529	26.577	0.048	7.2	0.055	0.000	7.2	123.085	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.975	26.529	26.582	0.054	9.0	0.061	0.000	9.0	132.311	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.975	26.529	26.572	0.044	5.8	0.049	0.000	5.8	132.312	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.975	26.529	26.575	0.046	6.7	0.053	0.000	6.7	147.002	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.975	26.529	26.566	0.038	4.3	0.043	0.000	4.3	147.085	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.975	26.529	26.569	0.040	5.0	0.046	0.000	5.0	163.892	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.975	26.529	26.561	0.033	3.2	0.037	0.000	3.2	164.004	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.975	26.529	26.565	0.037	4.0	0.041	0.000	4.0	177.622	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.975	26.529	26.558	0.030	2.6	0.034	0.000	2.6	177.510	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	27.975	26.529	26.561	0.032	3.0	0.036	0.000	3.0	200.361	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.975	26.529	26.555	0.026	2.0	0.029	0.000	2.0	200.640	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.975	26.529	26.558	0.029	2.5	0.033	0.000	2.5	219.673	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.975	26.529	26.552	0.024	1.6	0.027	0.000	1.6	219.385	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.975	26.529	26.556	0.027	2.2	0.031	0.000	2.2	237.446	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.975	26.529	26.551	0.022	1.4	0.025	0.000	1.4	237.493	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.975	26.529	26.554	0.026	1.9	0.029	0.000	1.9	254.343	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.975	26.529	26.550	0.021	1.2	0.024	0.000	1.2	254.347	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.975	26.529	26.553	0.025	1.8	0.028	0.000	1.8	271.067	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.975	26.529	26.549	0.020	1.1	0.023	0.000	1.1	271.057	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S03 -4: 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	27.908	25.903	26.585	0.682	214.0	0.771	0.000	199.3	114.443	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.908	25.903	26.468	0.565	198.5	0.640	0.000	181.8	114.411	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.908	25.903	26.340	0.437	169.3	0.494	0.000	168.5	149.212	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.908	25.903	26.281	0.378	159.8	0.427	0.000	158.7	149.206	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.908	25.903	26.237	0.334	148.2	0.378	0.000	147.5	186.772	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.908	25.903	26.164	0.261	120.1	0.295	0.000	120.0	186.752	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.908	25.903	26.132	0.229	104.0	0.259	0.000	104.0	219.315	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.908	25.903	26.081	0.178	74.9	0.201	0.000	74.9	219.347	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.908	25.903	26.091	0.188	80.8	0.212	0.000	80.8	241.214	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.908	25.903	26.053	0.150	55.7	0.170	0.000	55.7	241.239	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.908	25.903	26.068	0.165	66.9	0.187	0.000	66.9	258.377	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.908	25.903	26.037	0.134	45.0	0.152	0.000	45.0	258.256	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.908	25.903	26.045	0.142	50.3	0.161	0.000	50.3	284.212	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.908	25.903	26.017	0.114	33.1	0.129	0.000	33.1	284.106	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.908	25.903	26.031	0.128	41.3	0.145	0.000	41.3	304.516	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.908	25.903	26.006	0.103	26.7	0.116	0.000	26.7	304.453	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.908	25.903	26.021	0.118	35.0	0.133	0.000	35.0	321.571	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.908	25.903	25.997	0.094	22.6	0.107	0.000	22.6	321.560	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.908	25.903	26.013	0.110	30.5	0.124	0.000	30.5	336.399	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.908	25.903	25.998	0.095	19.7	0.107	0.000	19.7	336.373	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.908	25.903	26.004	0.101	24.6	0.114	0.000	24.6	361.558	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.908	25.903	26.007	0.104	15.9	0.117	0.000	15.9	361.499	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.908	25.903	26.003	0.100	18.2	0.113	0.000	18.2	401.754	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.908	25.903	26.006	0.103	11.8	0.116	0.000	11.8	401.591	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.908	25.903	25.993	0.090	13.5	0.102	0.000	13.6	447.734	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.908	25.903	25.988	0.085	8.7	0.096	0.000	8.8	447.729	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.908	25.903	25.981	0.078	11.0	0.088	0.000	11.0	485.136	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.908	25.903	25.969	0.066	7.1	0.075	0.000	7.1	485.499	OK

FEH: 30 years: +0 %: 4320 mins: Summer	27.908	25.903	25.961	0.058	8.3	0.065	0.000	8.3	547.241	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.908	25.903	25.950	0.047	5.3	0.053	0.000	5.3	547.396	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.908	25.903	25.955	0.052	6.8	0.059	0.000	6.8	601.085	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.908	25.903	25.946	0.043	4.4	0.048	0.000	4.4	600.829	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.908	25.903	25.952	0.049	5.9	0.055	0.000	5.9	649.679	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.908	25.903	25.943	0.040	3.8	0.045	0.000	3.8	649.582	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.908	25.903	25.949	0.046	5.3	0.052	0.000	5.3	695.885	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.908	25.903	25.941	0.038	3.4	0.043	0.000	3.4	694.970	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.908	25.903	25.947	0.044	4.8	0.050	0.000	4.8	740.401	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.908	25.903	25.939	0.036	3.1	0.041	0.000	3.1	741.464	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S13 -4 : 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	27.975	25.850	26.086	0.236	88.1	0.267	0.000	75.1	41.717	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.975	25.850	26.079	0.229	83.1	0.259	0.000	71.6	41.713	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.975	25.850	26.057	0.207	63.0	0.234	0.000	63.0	54.672	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.975	25.850	26.049	0.199	59.1	0.225	0.000	59.1	54.669	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.975	25.850	26.041	0.190	54.7	0.215	0.000	54.6	68.486	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.975	25.850	26.019	0.168	44.0	0.190	0.000	44.0	68.493	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.975	25.850	26.006	0.156	38.1	0.176	0.000	38.0	80.557	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.975	25.850	25.982	0.131	27.4	0.149	0.000	27.4	80.564	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 180 mins: Summer	27.975	25.850	25.987	0.137	29.6	0.155	0.000	29.5	88.317	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.975	25.850	25.964	0.113	20.4	0.128	0.000	20.4	88.264	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.975	25.850	25.974	0.124	24.5	0.140	0.000	24.5	94.338	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.975	25.850	25.952	0.101	16.5	0.114	0.000	16.6	94.306	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.975	25.850	25.957	0.106	18.4	0.120	0.000	18.4	103.732	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.975	25.850	25.957	0.107	12.1	0.121	0.000	12.3	103.707	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.975	25.850	25.976	0.125	15.1	0.142	0.000	15.4	111.276	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.975	25.850	25.977	0.126	9.8	0.143	0.000	9.9	111.274	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.975	25.850	25.988	0.138	12.8	0.156	0.000	12.8	117.725	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.975	25.850	25.989	0.139	8.3	0.157	0.000	8.3	117.665	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.975	25.850	25.996	0.146	11.2	0.165	0.000	11.2	123.233	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.975	25.850	25.998	0.148	7.2	0.167	0.000	7.2	123.166	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.975	25.850	26.004	0.154	9.0	0.174	0.000	9.0	132.411	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.975	25.850	26.007	0.156	5.8	0.177	0.000	5.8	132.397	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.975	25.850	26.003	0.153	6.7	0.173	0.000	6.7	147.097	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.975	25.850	26.006	0.155	4.3	0.176	0.000	4.3	147.166	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.975	25.850	25.993	0.143	5.0	0.161	0.000	5.0	163.983	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.975	25.850	25.988	0.138	3.2	0.156	0.000	3.2	164.083	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.975	25.850	25.981	0.131	4.0	0.148	0.000	4.0	177.719	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.975	25.850	25.969	0.119	2.6	0.134	0.000	2.6	177.598	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	27.975	25.850	25.957	0.107	3.0	0.121	0.000	3.0	200.468	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.975	25.850	25.924	0.074	2.0	0.083	0.000	2.0	200.742	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.975	25.850	25.934	0.084	2.5	0.095	0.000	2.5	219.754	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.975	25.850	25.883	0.033	1.6	0.037	0.000	1.6	219.458	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.975	25.850	25.913	0.063	2.2	0.071	0.000	2.2	237.505	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.975	25.850	25.881	0.031	1.4	0.035	0.000	1.4	237.538	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.975	25.850	25.894	0.043	1.9	0.049	0.000	1.9	254.400	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.975	25.850	25.880	0.030	1.2	0.034	0.000	1.3	254.381	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.975	25.850	25.884	0.034	1.8	0.039	0.000	1.8	271.121	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.975	25.850	25.879	0.029	1.1	0.032	0.000	1.2	271.081	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S15 -4: 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	27.970	26.937	27.115	0.178	91.5	0.201	0.000	89.5	39.770	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.970	26.937	27.108	0.171	85.9	0.193	0.000	84.1	39.768	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.970	26.937	27.075	0.138	59.9	0.156	0.000	59.9	51.882	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.970	26.937	27.070	0.133	56.2	0.151	0.000	56.2	51.883	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.970	26.937	27.065	0.128	51.9	0.144	0.000	51.9	64.917	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.970	26.937	27.050	0.113	41.8	0.128	0.000	41.8	64.921	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.970	26.937	27.041	0.104	36.2	0.118	0.000	36.2	76.229	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.970	26.937	27.025	0.088	26.0	0.099	0.000	26.0	76.232	OK

FEH: 30 years: +0 %: 180 mins: Summer	27.970	26.937	27.028	0.091	28.1	0.103	0.000	28.1	83.829	OK
FEH: 30 years: +0 %: 180 mins: Winter	27.970	26.937	27.012	0.075	19.4	0.085	0.000	19.4	83.826	OK
FEH: 30 years: +0 %: 240 mins: Summer	27.970	26.937	27.020	0.083	23.2	0.093	0.000	23.2	89.726	OK
FEH: 30 years: +0 %: 240 mins: Winter	27.970	26.937	27.004	0.067	15.6	0.076	0.000	15.6	89.698	OK
FEH: 30 years: +0 %: 360 mins: Summer	27.970	26.937	27.008	0.071	17.5	0.081	0.000	17.5	98.712	OK
FEH: 30 years: +0 %: 360 mins: Winter	27.970	26.937	26.995	0.058	11.5	0.065	0.000	11.5	98.721	OK
FEH: 30 years: +0 %: 480 mins: Summer	27.970	26.937	27.001	0.064	14.3	0.073	0.000	14.3	105.816	OK
FEH: 30 years: +0 %: 480 mins: Winter	27.970	26.937	26.989	0.052	9.3	0.059	0.000	9.3	105.783	OK
FEH: 30 years: +0 %: 600 mins: Summer	27.970	26.937	26.996	0.059	12.2	0.067	0.000	12.2	111.752	OK
FEH: 30 years: +0 %: 600 mins: Winter	27.970	26.937	26.985	0.048	7.8	0.054	0.000	7.8	111.698	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	27.970	26.937	26.992	0.055	10.6	0.063	0.000	10.6	116.909	OK
FEH: 30 years: +0 %: 720 mins: Winter	27.970	26.937	26.982	0.045	6.8	0.050	0.000	6.8	116.870	OK
FEH: 30 years: +0 %: 960 mins: Summer	27.970	26.937	26.987	0.050	8.6	0.056	0.000	8.5	125.638	OK
FEH: 30 years: +0 %: 960 mins: Winter	27.970	26.937	26.977	0.040	5.5	0.045	0.000	5.5	125.630	OK
FEH: 30 years: +0 %: 1440 mins: Summer	27.970	26.937	26.980	0.043	6.3	0.049	0.000	6.3	139.612	OK
FEH: 30 years: +0 %: 1440 mins: Winter	27.970	26.937	26.972	0.035	4.1	0.039	0.000	4.1	139.639	OK
FEH: 30 years: +0 %: 2160 mins: Summer	27.970	26.937	26.974	0.037	4.7	0.042	0.000	4.7	155.643	OK
FEH: 30 years: +0 %: 2160 mins: Winter	27.970	26.937	26.967	0.030	3.0	0.034	0.000	3.0	155.695	OK
FEH: 30 years: +0 %: 2880 mins: Summer	27.970	26.937	26.971	0.034	3.8	0.038	0.000	3.8	168.627	OK
FEH: 30 years: +0 %: 2880 mins: Winter	27.970	26.937	26.964	0.027	2.5	0.031	0.000	2.5	168.601	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	27.970	26.937	26.967	0.030	2.9	0.033	0.000	2.9	190.346	OK
FEH: 30 years: +0 %: 4320 mins: Winter	27.970	26.937	26.961	0.024	1.9	0.027	0.000	1.9	190.465	OK
FEH: 30 years: +0 %: 5760 mins: Summer	27.970	26.937	26.964	0.027	2.4	0.030	0.000	2.4	208.940	OK
FEH: 30 years: +0 %: 5760 mins: Winter	27.970	26.937	26.959	0.022	1.5	0.025	0.000	1.5	208.675	OK
FEH: 30 years: +0 %: 7200 mins: Summer	27.970	26.937	26.962	0.025	2.0	0.028	0.000	2.0	225.680	OK
FEH: 30 years: +0 %: 7200 mins: Winter	27.970	26.937	26.957	0.020	1.3	0.023	0.000	1.3	225.834	OK
FEH: 30 years: +0 %: 8640 mins: Summer	27.970	26.937	26.961	0.024	1.8	0.027	0.000	1.8	241.592	OK
FEH: 30 years: +0 %: 8640 mins: Winter	27.970	26.937	26.956	0.019	1.2	0.022	0.000	1.2	241.800	OK
FEH: 30 years: +0 %: 10080 mins: Summer	27.970	26.937	26.960	0.023	1.7	0.026	0.000	1.7	257.276	OK
FEH: 30 years: +0 %: 10080 mins: Winter	27.970	26.937	26.956	0.019	1.1	0.021	0.000	1.1	257.622	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S16 -4: 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	28.087	26.287	26.845	0.558	270.1	0.631	0.000	268.3	117.293	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.087	26.287	26.813	0.526	253.5	0.595	0.000	251.9	117.295	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.087	26.287	26.599	0.312	176.7	0.353	0.000	176.7	153.055	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.087	26.287	26.583	0.296	165.8	0.335	0.000	165.8	153.046	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.087	26.287	26.566	0.279	153.3	0.316	0.000	153.3	191.556	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.087	26.287	26.527	0.240	123.3	0.272	0.000	123.3	191.562	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.087	26.287	26.506	0.219	106.7	0.248	0.000	106.7	224.922	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.087	26.287	26.466	0.179	76.8	0.202	0.000	76.8	224.922	OK

FEH: 30 years: +0 %: 180 mins: Summer	28.087	26.287	26.474	0.187	82.9	0.212	0.000	82.9	247.386	OK
FEH: 30 years: +0 %: 180 mins: Winter	28.087	26.287	26.437	0.150	57.1	0.170	0.000	57.1	247.383	OK
FEH: 30 years: +0 %: 240 mins: Summer	28.087	26.287	26.454	0.167	68.6	0.189	0.000	68.6	264.738	OK
FEH: 30 years: +0 %: 240 mins: Winter	28.087	26.287	26.420	0.133	46.1	0.150	0.000	46.1	264.750	OK
FEH: 30 years: +0 %: 360 mins: Summer	28.087	26.287	26.429	0.142	51.6	0.160	0.000	51.6	291.330	OK
FEH: 30 years: +0 %: 360 mins: Winter	28.087	26.287	26.399	0.112	34.0	0.126	0.000	34.0	291.330	OK
FEH: 30 years: +0 %: 480 mins: Summer	28.087	26.287	26.414	0.127	42.4	0.143	0.000	42.4	312.204	OK
FEH: 30 years: +0 %: 480 mins: Winter	28.087	26.287	26.386	0.099	27.4	0.112	0.000	27.4	312.189	OK
FEH: 30 years: +0 %: 600 mins: Summer	28.087	26.287	26.402	0.115	35.9	0.130	0.000	35.9	329.688	OK
FEH: 30 years: +0 %: 600 mins: Winter	28.087	26.287	26.378	0.091	23.2	0.102	0.000	23.2	329.676	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 720 mins: Summer	28.087	26.287	26.394	0.107	31.3	0.121	0.000	31.3	344.880	OK
FEH: 30 years: +0 %: 720 mins: Winter	28.087	26.287	26.371	0.084	20.2	0.095	0.000	20.2	344.910	OK
FEH: 30 years: +0 %: 960 mins: Summer	28.087	26.287	26.382	0.095	25.2	0.107	0.000	25.2	370.791	OK
FEH: 30 years: +0 %: 960 mins: Winter	28.087	26.287	26.362	0.075	16.3	0.085	0.000	16.3	370.782	OK
FEH: 30 years: +0 %: 1440 mins: Summer	28.087	26.287	26.368	0.081	18.7	0.091	0.000	18.7	412.038	OK
FEH: 30 years: +0 %: 1440 mins: Winter	28.087	26.287	26.351	0.064	12.1	0.072	0.000	12.1	412.038	OK
FEH: 30 years: +0 %: 2160 mins: Summer	28.087	26.287	26.356	0.069	13.9	0.078	0.000	13.9	459.222	OK
FEH: 30 years: +0 %: 2160 mins: Winter	28.087	26.287	26.342	0.055	9.0	0.062	0.000	9.0	459.264	OK
FEH: 30 years: +0 %: 2880 mins: Summer	28.087	26.287	26.349	0.062	11.3	0.070	0.000	11.3	497.796	OK
FEH: 30 years: +0 %: 2880 mins: Winter	28.087	26.287	26.336	0.049	7.3	0.056	0.000	7.3	497.760	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Summer	28.087	26.287	26.340	0.053	8.5	0.060	0.000	8.5	561.444	OK
FEH: 30 years: +0 %: 4320 mins: Winter	28.087	26.287	26.330	0.043	5.5	0.048	0.000	5.5	561.479	OK
FEH: 30 years: +0 %: 5760 mins: Summer	28.087	26.287	26.335	0.048	7.0	0.055	0.000	7.0	616.158	OK
FEH: 30 years: +0 %: 5760 mins: Winter	28.087	26.287	26.326	0.039	4.5	0.044	0.000	4.5	616.133	OK
FEH: 30 years: +0 %: 7200 mins: Summer	28.087	26.287	26.332	0.045	6.1	0.051	0.000	6.1	666.474	OK
FEH: 30 years: +0 %: 7200 mins: Winter	28.087	26.287	26.323	0.036	3.9	0.041	0.000	3.9	666.744	OK
FEH: 30 years: +0 %: 8640 mins: Summer	28.087	26.287	26.329	0.042	5.4	0.048	0.000	5.4	713.421	OK
FEH: 30 years: +0 %: 8640 mins: Winter	28.087	26.287	26.321	0.034	3.5	0.038	0.000	3.5	713.417	OK
FEH: 30 years: +0 %: 10080 mins: Summer	28.087	26.287	26.327	0.040	4.9	0.046	0.000	4.9	758.778	OK
FEH: 30 years: +0 %: 10080 mins: Winter	28.087	26.287	26.319	0.032	3.2	0.037	0.000	3.2	759.252	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S12-4: 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	27.975	25.640	25.836	0.196	121.8	0.222	0.000	115.5	64.586	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.975	25.640	25.831	0.191	116.2	0.216	0.000	110.5	64.581	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.975	25.640	25.865	0.225	98.5	0.254	0.000	96.3	83.492	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.975	25.640	25.865	0.225	92.5	0.254	0.000	90.6	83.505	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.975	25.640	25.963	0.323	86.5	0.365	0.000	86.8	102.232	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.975	25.640	25.963	0.323	69.6	0.365	0.000	70.2	102.079	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.975	25.640	26.041	0.401	59.9	0.454	0.000	55.7	118.496	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	27.975	25.640	26.041	0.401	43.0	0.454	0.000	41.6	118.478	Surcharged

FEH: 30 years: +40 %: 180 mins: Summer	27.975	25.640	26.090	0.450	47.2	0.509	0.000	44.3	129.954	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	27.975	25.640	26.090	0.450	32.4	0.509	0.000	30.0	129.919	Surcharged
FEH: 30 years: +40 %: 240 mins: Summer	27.975	25.640	26.126	0.486	38.8	0.550	0.000	36.0	138.963	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	27.975	25.640	26.127	0.487	26.0	0.550	0.000	24.2	138.874	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	27.975	25.640	26.177	0.537	29.1	0.608	0.000	27.1	153.083	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	27.975	25.640	26.178	0.538	19.2	0.608	0.000	17.8	153.027	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	27.975	25.640	26.212	0.572	23.9	0.647	0.000	22.2	164.477	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	27.975	25.640	26.213	0.573	15.4	0.648	0.000	14.4	164.503	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	27.975	25.640	26.238	0.598	20.2	0.676	0.000	18.8	174.306	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	27.975	25.640	26.239	0.599	13.1	0.677	0.000	12.2	174.291	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	27.975	25.640	26.257	0.617	17.6	0.698	0.000	16.4	182.948	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	27.975	25.640	26.259	0.619	11.4	0.700	0.000	10.6	182.953	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	27.975	25.640	26.284	0.644	14.2	0.728	0.000	13.3	197.928	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	27.975	25.640	26.286	0.646	9.2	0.731	0.000	8.6	197.864	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	27.975	25.640	26.309	0.669	10.5	0.757	0.000	9.9	223.236	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	27.975	25.640	26.314	0.674	6.8	0.762	0.000	6.4	223.094	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	27.975	25.640	26.310	0.670	7.8	0.758	0.000	7.3	255.038	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	27.975	25.640	26.318	0.678	5.0	0.767	0.000	4.7	254.971	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	27.975	25.640	26.303	0.663	6.4	0.750	0.000	6.0	279.850	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	27.975	25.640	26.304	0.664	4.1	0.751	0.000	3.9	279.810	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	27.975	25.640	26.289	0.649	4.8	0.734	0.000	4.5	316.301	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	27.975	25.640	26.277	0.637	3.1	0.721	0.000	2.9	315.893	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	27.975	25.640	26.279	0.639	3.9	0.722	0.000	3.7	347.285	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	27.975	25.640	26.250	0.610	2.5	0.690	0.000	2.4	347.338	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	27.975	25.640	26.271	0.631	3.4	0.713	0.000	3.2	375.400	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	27.975	25.640	26.222	0.582	2.2	0.659	0.000	2.1	375.796	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	27.975	25.640	26.264	0.624	3.0	0.705	0.000	2.9	401.572	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	27.975	25.640	26.194	0.554	2.0	0.626	0.000	1.9	402.303	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	27.975	25.640	26.257	0.617	2.8	0.698	0.000	2.6	427.366	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.975	25.640	26.166	0.526	1.8	0.594	0.000	1.7	427.770	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S04- 4 : 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	27.886	25.701	26.772	1.071	434.2	1.212	0.000	431.5	237.053	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.886	25.701	26.725	1.024	418.3	1.158	0.000	416.0	237.090	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.886	25.701	26.551	0.850	357.7	0.962	0.000	357.7	308.730	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.886	25.701	26.494	0.793	335.7	0.897	0.000	335.7	308.705	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.886	25.701	26.428	0.727	310.3	0.822	0.000	310.3	386.824	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.886	25.701	26.207	0.506	245.9	0.572	0.000	245.5	386.368	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	27.886	25.701	26.158	0.457	212.9	0.516	0.000	212.5	452.357	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	27.886	25.701	26.064	0.363	155.3	0.410	0.000	155.2	451.603	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 180 mins: Summer	27.886	25.701	26.090	0.389	167.5	0.440	0.000	167.4	497.025	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.886	25.701	26.090	0.389	115.6	0.440	0.000	115.7	495.719	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.886	25.701	26.126	0.425	138.8	0.481	0.000	138.9	530.624	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.886	25.701	26.126	0.425	93.4	0.481	0.000	93.3	529.447	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.886	25.701	26.177	0.476	104.4	0.538	0.000	104.3	581.849	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	27.886	25.701	26.178	0.477	68.8	0.539	0.000	68.3	581.337	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	27.886	25.701	26.212	0.511	85.7	0.578	0.000	85.1	622.904	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	27.886	25.701	26.213	0.512	55.5	0.579	0.000	55.2	622.924	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	27.886	25.701	26.238	0.537	72.7	0.607	0.000	72.3	658.113	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	27.886	25.701	26.239	0.538	46.9	0.608	0.000	46.6	658.146	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	27.886	25.701	26.257	0.556	63.4	0.629	0.000	63.0	689.124	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	27.886	25.701	26.259	0.558	40.9	0.631	0.000	40.5	689.051	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	27.886	25.701	26.284	0.583	51.1	0.659	0.000	50.7	742.285	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	27.886	25.701	26.286	0.585	33.0	0.662	0.000	32.6	742.206	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	27.886	25.701	26.309	0.608	37.8	0.688	0.000	37.5	828.660	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	27.886	25.701	26.314	0.613	24.4	0.693	0.000	24.2	828.585	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	27.886	25.701	26.310	0.609	28.1	0.689	0.000	27.8	927.916	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	27.886	25.701	26.318	0.617	18.1	0.698	0.000	17.9	928.020	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	27.886	25.701	26.303	0.602	22.9	0.681	0.000	22.6	1007.200	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	27.886	25.701	26.304	0.603	14.7	0.682	0.000	14.6	1007.265	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	27.886	25.701	26.289	0.588	17.2	0.665	0.000	17.0	1136.444	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	27.886	25.701	26.277	0.576	11.1	0.652	0.000	11.0	1136.190	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	27.886	25.701	26.279	0.578	14.2	0.653	0.000	14.0	1247.359	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	27.886	25.701	26.250	0.549	9.1	0.621	0.000	9.0	1247.369	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	27.886	25.701	26.271	0.570	12.3	0.645	0.000	12.1	1349.342	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	27.886	25.701	26.222	0.521	7.9	0.590	0.000	7.8	1349.028	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	27.886	25.701	26.264	0.563	10.9	0.636	0.000	10.8	1444.573	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	27.886	25.701	26.194	0.493	7.1	0.558	0.000	7.0	1444.092	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	27.886	25.701	26.257	0.556	10.0	0.629	0.000	9.9	1535.713	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.886	25.701	26.166	0.465	6.4	0.525	0.000	6.4	1535.980	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S05- 4: 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	27.792	25.689	26.502	0.813	451.1	0.919	0.000	449.4	245.327	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.792	25.689	26.473	0.784	434.4	0.887	0.000	433.0	245.369	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.792	25.689	26.366	0.677	370.5	0.766	0.000	370.6	319.392	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.792	25.689	26.332	0.643	347.7	0.727	0.000	347.7	319.368	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.792	25.689	26.291	0.602	321.4	0.681	0.000	321.5	399.886	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.792	25.689	26.106	0.417	254.4	0.472	0.000	253.7	399.385	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.792	25.689	26.075	0.386	220.2	0.437	0.000	219.7	467.344	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.792	25.689	26.041	0.352	160.8	0.398	0.000	160.7	466.572	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 180 mins: Summer	27.792	25.689	26.090	0.401	173.4	0.453	0.000	173.4	513.486	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.792	25.689	26.090	0.401	119.8	0.454	0.000	119.8	512.162	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.792	25.689	26.126	0.437	143.8	0.494	0.000	143.8	548.232	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.792	25.689	26.126	0.437	96.7	0.495	0.000	96.7	547.048	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.792	25.689	26.177	0.488	108.0	0.552	0.000	107.9	601.322	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	27.792	25.689	26.178	0.489	70.8	0.553	0.000	71.8	600.776	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	27.792	25.689	26.212	0.523	88.1	0.592	0.000	87.7	643.883	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	27.792	25.689	26.213	0.524	57.2	0.593	0.000	57.0	643.764	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	27.792	25.689	26.238	0.549	74.9	0.621	0.000	74.6	680.257	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	27.792	25.689	26.239	0.550	48.3	0.622	0.000	48.2	680.355	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	27.792	25.689	26.257	0.568	65.3	0.643	0.000	65.0	712.419	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	27.792	25.689	26.259	0.570	42.0	0.645	0.000	41.9	712.416	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	27.792	25.689	26.284	0.595	52.5	0.673	0.000	52.3	767.555	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	27.792	25.689	26.286	0.597	33.8	0.676	0.000	33.6	767.512	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	27.792	25.689	26.309	0.620	38.8	0.702	0.000	38.7	857.201	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	27.792	25.689	26.314	0.625	25.0	0.707	0.000	24.9	857.085	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	27.792	25.689	26.310	0.621	28.8	0.703	0.000	28.7	960.503	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	27.792	25.689	26.318	0.629	18.6	0.712	0.000	18.5	960.620	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	27.792	25.689	26.303	0.614	23.4	0.695	0.000	23.3	1043.348	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	27.792	25.689	26.304	0.615	15.1	0.696	0.000	15.0	1043.330	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	27.792	25.689	26.289	0.600	17.6	0.679	0.000	17.5	1177.248	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	27.792	25.689	26.277	0.588	11.4	0.665	0.000	11.3	1177.006	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	27.792	25.689	26.279	0.590	14.5	0.667	0.000	14.5	1292.165	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	27.792	25.689	26.250	0.561	9.4	0.635	0.000	9.3	1292.313	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	27.792	25.689	26.271	0.582	12.6	0.658	0.000	12.5	1397.736	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	27.792	25.689	26.222	0.533	8.1	0.603	0.000	8.1	1397.259	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	27.792	25.689	26.264	0.575	11.2	0.650	0.000	11.2	1496.231	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	27.792	25.689	26.194	0.505	7.3	0.571	0.000	7.2	1495.724	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	27.792	25.689	26.257	0.568	10.2	0.643	0.000	10.2	1590.653	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.792	25.689	26.166	0.477	6.6	0.539	0.000	6.6	1590.919	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S07- 4: 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	27.633	25.344	25.767	0.423	6.8	0.478	0.000	5.6	7.314	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.633	25.344	25.767	0.423	7.3	0.478	0.000	5.6	7.381	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.633	25.344	25.862	0.518	6.5	0.585	0.000	5.6	15.987	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.633	25.344	25.861	0.518	6.2	0.585	0.000	5.6	16.084	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.633	25.344	25.960	0.616	6.1	0.697	0.000	5.6	33.160	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.633	25.344	25.960	0.616	6.0	0.697	0.000	5.6	33.232	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	27.633	25.344	26.039	0.695	5.9	0.786	0.000	5.6	66.578	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	27.633	25.344	26.039	0.695	5.8	0.786	0.000	5.6	66.635	Surcharged

FEH: 30 years: +40 %: 180 mins: Summer	27.633	25.344	26.088	0.744	5.8	0.842	0.000	5.6	98.277	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	27.633	25.344	26.088	0.744	5.8	0.842	0.000	5.6	98.318	Surcharged
FEH: 30 years: +40 %: 240 mins: Summer	27.633	25.344	26.124	0.780	5.8	0.883	0.000	5.6	128.203	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	27.633	25.344	26.124	0.781	5.7	0.883	0.000	5.6	128.235	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	27.633	25.344	26.175	0.831	5.7	0.940	0.000	5.6	189.449	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	27.633	25.344	26.175	0.832	5.7	0.940	0.000	5.6	189.636	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	27.633	25.344	26.210	0.866	5.7	0.979	0.000	5.6	254.680	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	27.633	25.344	26.211	0.867	5.7	0.980	0.000	5.6	254.959	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	27.633	25.344	26.235	0.892	5.7	1.008	0.000	5.6	321.019	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	27.633	25.344	26.237	0.893	5.7	1.010	0.000	5.6	321.279	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	27.633	25.344	26.255	0.911	5.7	1.030	0.000	5.6	387.581	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	27.633	25.344	26.256	0.913	5.6	1.032	0.000	5.6	387.763	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	27.633	25.344	26.281	0.938	5.6	1.060	0.000	5.6	520.953	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	27.633	25.344	26.284	0.940	5.6	1.063	0.000	5.6	520.976	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	27.633	25.344	26.307	0.963	5.6	1.089	0.000	5.6	792.218	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	27.633	25.344	26.311	0.967	5.6	1.094	0.000	5.6	792.090	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	27.633	25.344	26.308	0.964	5.6	1.090	0.000	5.6	1213.145	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	27.633	25.344	26.316	0.972	5.6	1.099	0.000	5.6	1213.992	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	27.633	25.344	26.301	0.957	5.6	1.082	0.000	5.6	1641.972	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	27.633	25.344	26.302	0.958	5.6	1.083	0.000	5.6	1645.892	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	27.633	25.344	26.287	0.943	5.6	1.066	0.000	5.6	2258.842	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	27.633	25.344	26.275	0.931	5.6	1.053	0.000	5.6	2259.081	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	27.633	25.344	26.276	0.932	5.6	1.055	0.000	5.6	2493.906	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	27.633	25.344	26.248	0.904	5.6	1.022	0.000	5.6	2494.498	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	27.633	25.344	26.268	0.925	5.6	1.046	0.000	5.6	2700.985	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	27.633	25.344	26.220	0.876	5.6	0.991	0.000	5.6	2701.362	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	27.633	25.344	26.261	0.917	5.6	1.037	0.000	5.6	2892.985	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	27.633	25.344	26.192	0.848	5.6	0.959	0.000	5.6	2893.677	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	27.633	25.344	26.255	0.911	5.6	1.030	0.000	5.6	3077.238	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.633	25.344	26.163	0.819	5.6	0.927	0.000	5.6	3078.121	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S01- 4: 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	27.945	26.045	27.171	1.126	132.0	1.273	0.000	127.9	57.411	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.945	26.045	27.106	1.061	123.9	1.200	0.000	120.1	57.408	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.945	26.045	26.919	0.874	86.3	0.988	0.000	86.4	74.849	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.945	26.045	26.819	0.774	81.0	0.876	0.000	81.1	74.846	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.945	26.045	26.701	0.656	74.9	0.742	0.000	74.9	93.643	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.945	26.045	26.379	0.334	60.3	0.378	0.000	59.6	93.641	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.945	26.045	26.293	0.248	52.2	0.281	0.000	51.7	109.955	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.945	26.045	26.215	0.170	37.5	0.192	0.000	37.5	109.963	OK

FEH: 30 years: +40 %: 180 mins: Summer	27.945	26.045	26.226	0.181	40.5	0.204	0.000	40.5	121.233	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.945	26.045	26.184	0.139	27.9	0.158	0.000	27.9	121.069	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.945	26.045	26.202	0.157	33.5	0.178	0.000	33.5	129.564	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.945	26.045	26.167	0.122	22.5	0.138	0.000	22.5	129.398	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.945	26.045	26.177	0.132	25.2	0.149	0.000	25.2	142.243	OK
FEH: 30 years: +40 %: 360 mins: Winter	27.945	26.045	26.177	0.132	16.6	0.150	0.000	16.6	142.158	OK
FEH: 30 years: +40 %: 480 mins: Summer	27.945	26.045	26.212	0.167	20.7	0.189	0.000	20.7	152.281	OK
FEH: 30 years: +40 %: 480 mins: Winter	27.945	26.045	26.213	0.168	13.4	0.190	0.000	13.4	152.262	OK
FEH: 30 years: +40 %: 600 mins: Summer	27.945	26.045	26.238	0.193	17.6	0.218	0.000	17.5	160.803	OK
FEH: 30 years: +40 %: 600 mins: Winter	27.945	26.045	26.239	0.194	11.3	0.219	0.000	11.3	160.802	OK

FEH: 30 years: +40 %: 720 mins: Summer	27.945	26.045	26.258	0.213	15.3	0.240	0.000	15.3	168.261	OK
FEH: 30 years: +40 %: 720 mins: Winter	27.945	26.045	26.259	0.214	9.9	0.242	0.000	9.9	168.247	OK
FEH: 30 years: +40 %: 960 mins: Summer	27.945	26.045	26.284	0.239	12.3	0.271	0.000	12.3	180.973	OK
FEH: 30 years: +40 %: 960 mins: Winter	27.945	26.045	26.286	0.241	8.0	0.273	0.000	8.0	180.980	OK
FEH: 30 years: +40 %: 1440 mins: Summer	27.945	26.045	26.309	0.264	9.1	0.299	0.000	9.1	201.463	OK
FEH: 30 years: +40 %: 1440 mins: Winter	27.945	26.045	26.314	0.269	5.9	0.304	0.000	5.9	201.454	OK
FEH: 30 years: +40 %: 2160 mins: Summer	27.945	26.045	26.310	0.265	6.8	0.300	0.000	6.8	224.555	OK
FEH: 30 years: +40 %: 2160 mins: Winter	27.945	26.045	26.318	0.273	4.4	0.309	0.000	4.4	224.519	OK
FEH: 30 years: +40 %: 2880 mins: Summer	27.945	26.045	26.303	0.258	5.5	0.292	0.000	5.5	243.254	OK
FEH: 30 years: +40 %: 2880 mins: Winter	27.945	26.045	26.304	0.259	3.6	0.293	0.000	3.6	243.339	OK

FEH: 30 years: +40 %: 4320 mins: Summer	27.945	26.045	26.289	0.244	4.2	0.276	0.000	4.2	274.391	OK
FEH: 30 years: +40 %: 4320 mins: Winter	27.945	26.045	26.277	0.232	2.7	0.263	0.000	2.7	274.470	OK
FEH: 30 years: +40 %: 5760 mins: Summer	27.945	26.045	26.279	0.234	3.4	0.264	0.000	3.4	301.107	OK
FEH: 30 years: +40 %: 5760 mins: Winter	27.945	26.045	26.250	0.205	2.2	0.232	0.000	2.2	301.181	OK
FEH: 30 years: +40 %: 7200 mins: Summer	27.945	26.045	26.271	0.226	3.0	0.256	0.000	3.0	325.839	OK
FEH: 30 years: +40 %: 7200 mins: Winter	27.945	26.045	26.222	0.177	1.9	0.201	0.000	1.9	325.906	OK
FEH: 30 years: +40 %: 8640 mins: Summer	27.945	26.045	26.264	0.219	2.6	0.247	0.000	2.6	348.818	OK
FEH: 30 years: +40 %: 8640 mins: Winter	27.945	26.045	26.194	0.149	1.7	0.169	0.000	1.7	348.888	OK
FEH: 30 years: +40 %: 10080 mins: Summer	27.945	26.045	26.257	0.212	2.4	0.240	0.000	2.4	370.635	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.945	26.045	26.166	0.121	1.6	0.136	0.000	1.6	370.635	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S02- 4: 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	27.946	25.986	27.111	1.125	158.3	1.273	0.000	165.8	90.166	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.946	25.986	27.055	1.069	158.1	1.210	0.000	164.6	87.751	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.946	25.986	26.894	0.908	122.6	1.027	0.000	122.7	106.378	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.946	25.986	26.797	0.811	115.1	0.917	0.000	115.1	106.279	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.946	25.986	26.683	0.697	106.4	0.789	0.000	106.4	132.989	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.946	25.986	26.364	0.378	84.9	0.428	0.000	83.1	132.947	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.946	25.986	26.270	0.284	73.7	0.322	0.000	72.2	156.472	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.946	25.986	26.185	0.199	53.3	0.225	0.000	53.3	156.274	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 180 mins: Summer	27.946	25.986	26.198	0.212	57.5	0.240	0.000	57.4	172.325	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.946	25.986	26.149	0.163	39.6	0.184	0.000	39.6	171.705	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.946	25.986	26.170	0.184	47.6	0.208	0.000	47.6	183.780	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.946	25.986	26.130	0.144	32.0	0.162	0.000	32.0	183.206	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.946	25.986	26.177	0.191	35.8	0.216	0.000	35.8	201.084	OK
FEH: 30 years: +40 %: 360 mins: Winter	27.946	25.986	26.177	0.191	23.6	0.216	0.000	23.6	200.792	OK
FEH: 30 years: +40 %: 480 mins: Summer	27.946	25.986	26.212	0.226	29.4	0.256	0.000	29.4	214.987	OK
FEH: 30 years: +40 %: 480 mins: Winter	27.946	25.986	26.213	0.227	19.0	0.257	0.000	19.0	214.940	OK
FEH: 30 years: +40 %: 600 mins: Summer	27.946	25.986	26.238	0.252	24.9	0.285	0.000	24.9	227.032	OK
FEH: 30 years: +40 %: 600 mins: Winter	27.946	25.986	26.239	0.253	16.1	0.286	0.000	16.1	227.030	OK

FEH: 30 years: +40 %: 720 mins: Summer	27.946	25.986	26.258	0.272	21.7	0.307	0.000	21.7	237.672	OK
FEH: 30 years: +40 %: 720 mins: Winter	27.946	25.986	26.259	0.273	14.0	0.309	0.000	14.0	237.642	OK
FEH: 30 years: +40 %: 960 mins: Summer	27.946	25.986	26.284	0.298	17.5	0.337	0.000	17.5	255.952	OK
FEH: 30 years: +40 %: 960 mins: Winter	27.946	25.986	26.286	0.300	11.3	0.340	0.000	11.3	255.901	OK
FEH: 30 years: +40 %: 1440 mins: Summer	27.946	25.986	26.309	0.323	13.0	0.366	0.000	13.0	285.676	OK
FEH: 30 years: +40 %: 1440 mins: Winter	27.946	25.986	26.314	0.328	8.4	0.371	0.000	8.4	285.622	OK
FEH: 30 years: +40 %: 2160 mins: Summer	27.946	25.986	26.310	0.324	9.6	0.367	0.000	9.6	318.815	OK
FEH: 30 years: +40 %: 2160 mins: Winter	27.946	25.986	26.318	0.332	6.2	0.376	0.000	6.2	318.802	OK
FEH: 30 years: +40 %: 2880 mins: Summer	27.946	25.986	26.303	0.317	7.8	0.359	0.000	7.8	345.275	OK
FEH: 30 years: +40 %: 2880 mins: Winter	27.946	25.986	26.304	0.318	5.1	0.360	0.000	5.0	345.318	OK

FEH: 30 years: +40 %: 4320 mins: Summer	27.946	25.986	26.289	0.303	5.9	0.343	0.000	5.9	389.592	OK
FEH: 30 years: +40 %: 4320 mins: Winter	27.946	25.986	26.277	0.291	3.8	0.329	0.000	3.8	389.683	OK
FEH: 30 years: +40 %: 5760 mins: Summer	27.946	25.986	26.279	0.293	4.9	0.331	0.000	4.9	427.809	OK
FEH: 30 years: +40 %: 5760 mins: Winter	27.946	25.986	26.250	0.264	3.1	0.299	0.000	3.1	427.805	OK
FEH: 30 years: +40 %: 7200 mins: Summer	27.946	25.986	26.271	0.285	4.2	0.322	0.000	4.2	462.543	OK
FEH: 30 years: +40 %: 7200 mins: Winter	27.946	25.986	26.222	0.236	2.7	0.267	0.000	2.7	462.849	OK
FEH: 30 years: +40 %: 8640 mins: Summer	27.946	25.986	26.264	0.278	3.8	0.314	0.000	3.7	495.145	OK
FEH: 30 years: +40 %: 8640 mins: Winter	27.946	25.986	26.194	0.208	2.4	0.235	0.000	2.4	494.826	OK
FEH: 30 years: +40 %: 10080 mins: Summer	27.946	25.986	26.257	0.271	3.4	0.307	0.000	3.4	526.574	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.946	25.986	26.166	0.180	2.2	0.203	0.000	2.2	526.826	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S-19- 4: 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	26.950	26.350	26.955	0.605	100.6	5.254	5.038	118.1	22.465	Flood
FEH: 30 years: +40 %: 15 mins: Winter	26.950	26.350	26.954	0.604	84.0	3.921	3.705	113.3	19.973	Flood
FEH: 30 years: +40 %: 30 mins: Summer	26.950	26.350	26.906	0.556	20.6	0.200	0.000	20.6	17.951	Flood Risk
FEH: 30 years: +40 %: 30 mins: Winter	26.950	26.350	26.808	0.458	19.4	0.165	0.000	19.4	17.864	Flood Risk
FEH: 30 years: +40 %: 60 mins: Summer	26.950	26.350	26.693	0.343	17.9	0.123	0.000	18.0	22.350	Flood Risk
FEH: 30 years: +40 %: 60 mins: Winter	26.950	26.350	26.426	0.076	14.4	0.028	0.000	14.4	22.361	OK
FEH: 30 years: +40 %: 120 mins: Summer	26.950	26.350	26.422	0.072	12.5	0.026	0.000	12.5	26.267	OK
FEH: 30 years: +40 %: 120 mins: Winter	26.950	26.350	26.413	0.063	9.0	0.023	0.000	9.0	26.292	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 180 mins: Summer	26.950	26.350	26.415	0.065	9.7	0.023	0.000	9.7	28.912	OK
FEH: 30 years: +40 %: 180 mins: Winter	26.950	26.350	26.404	0.054	6.7	0.019	0.000	6.7	28.901	OK
FEH: 30 years: +40 %: 240 mins: Summer	26.950	26.350	26.409	0.059	8.0	0.021	0.000	8.0	30.942	OK
FEH: 30 years: +40 %: 240 mins: Winter	26.950	26.350	26.399	0.049	5.4	0.017	0.000	5.4	30.947	OK
FEH: 30 years: +40 %: 360 mins: Summer	26.950	26.350	26.401	0.051	6.0	0.018	0.000	6.0	34.050	OK
FEH: 30 years: +40 %: 360 mins: Winter	26.950	26.350	26.392	0.042	4.0	0.015	0.000	4.0	34.031	OK
FEH: 30 years: +40 %: 480 mins: Summer	26.950	26.350	26.397	0.047	4.9	0.017	0.000	4.9	36.471	OK
FEH: 30 years: +40 %: 480 mins: Winter	26.950	26.350	26.388	0.038	3.2	0.014	0.000	3.2	36.469	OK
FEH: 30 years: +40 %: 600 mins: Summer	26.950	26.350	26.393	0.043	4.2	0.015	0.000	4.2	38.523	OK
FEH: 30 years: +40 %: 600 mins: Winter	26.950	26.350	26.385	0.035	2.7	0.012	0.000	2.7	38.538	OK

FEH: 30 years: +40 %: 720 mins: Summer	26.950	26.350	26.390	0.040	3.7	0.014	0.000	3.7	40.317	OK
FEH: 30 years: +40 %: 720 mins: Winter	26.950	26.350	26.382	0.032	2.4	0.012	0.000	2.4	40.302	OK
FEH: 30 years: +40 %: 960 mins: Summer	26.950	26.350	26.386	0.036	3.0	0.013	0.000	2.9	43.352	OK
FEH: 30 years: +40 %: 960 mins: Winter	26.950	26.350	26.379	0.029	1.9	0.011	0.000	1.9	43.340	OK
FEH: 30 years: +40 %: 1440 mins: Summer	26.950	26.350	26.381	0.031	2.2	0.011	0.000	2.2	48.184	OK
FEH: 30 years: +40 %: 1440 mins: Winter	26.950	26.350	26.375	0.025	1.4	0.009	0.000	1.4	48.150	OK
FEH: 30 years: +40 %: 2160 mins: Summer	26.950	26.350	26.377	0.027	1.6	0.010	0.000	1.6	53.640	OK
FEH: 30 years: +40 %: 2160 mins: Winter	26.950	26.350	26.372	0.022	1.0	0.008	0.000	1.0	53.655	OK
FEH: 30 years: +40 %: 2880 mins: Summer	26.950	26.350	26.375	0.025	1.3	0.009	0.000	1.3	58.094	OK
FEH: 30 years: +40 %: 2880 mins: Winter	26.950	26.350	26.370	0.020	0.9	0.007	0.000	0.9	58.097	OK

FEH: 30 years: +40 %: 4320 mins: Summer	26.950	26.350	26.371	0.021	1.0	0.008	0.000	1.0	65.534	OK
FEH: 30 years: +40 %: 4320 mins: Winter	26.950	26.350	26.368	0.018	0.6	0.006	0.000	0.6	65.464	OK
FEH: 30 years: +40 %: 5760 mins: Summer	26.950	26.350	26.370	0.020	0.8	0.007	0.000	0.8	72.205	OK
FEH: 30 years: +40 %: 5760 mins: Winter	26.950	26.350	26.366	0.016	0.5	0.006	0.000	0.5	72.067	OK
FEH: 30 years: +40 %: 7200 mins: Summer	26.950	26.350	26.368	0.018	0.7	0.007	0.000	0.7	77.846	OK
FEH: 30 years: +40 %: 7200 mins: Winter	26.950	26.350	26.365	0.015	0.5	0.005	0.000	0.5	78.086	OK
FEH: 30 years: +40 %: 8640 mins: Summer	26.950	26.350	26.367	0.017	0.6	0.006	0.000	0.6	83.354	OK
FEH: 30 years: +40 %: 8640 mins: Winter	26.950	26.350	26.364	0.014	0.4	0.005	0.000	0.4	83.079	OK
FEH: 30 years: +40 %: 10080 mins: Summer	26.950	26.350	26.367	0.017	0.6	0.006	0.000	0.6	88.785	OK

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	26.950	26.350	26.364	0.014	0.4	0.005	0.000	0.4	89.151	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	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	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.267	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.333	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.940	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	16.037	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	33.113	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	33.185	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	66.533	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	66.589	OK

FEH: 30 years: +40 %: 180 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	98.232	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	98.273	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	128.159	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	128.191	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	189.406	OK
FEH: 30 years: +40 %: 360 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	189.593	OK
FEH: 30 years: +40 %: 480 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	254.637	OK
FEH: 30 years: +40 %: 480 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	254.916	OK
FEH: 30 years: +40 %: 600 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	320.977	OK
FEH: 30 years: +40 %: 600 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	321.236	OK

FEH: 30 years: +40 %: 720 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	387.538	OK
FEH: 30 years: +40 %: 720 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	387.721	OK
FEH: 30 years: +40 %: 960 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	520.909	OK
FEH: 30 years: +40 %: 960 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	520.933	OK
FEH: 30 years: +40 %: 1440 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	792.173	OK
FEH: 30 years: +40 %: 1440 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	792.045	OK
FEH: 30 years: +40 %: 2160 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1213.098	OK
FEH: 30 years: +40 %: 2160 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1213.945	OK
FEH: 30 years: +40 %: 2880 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1641.924	OK
FEH: 30 years: +40 %: 2880 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1645.844	OK

FEH: 30 years: +40 %: 4320 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2258.831	OK
FEH: 30 years: +40 %: 4320 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2259.071	OK
FEH: 30 years: +40 %: 5760 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2493.901	OK
FEH: 30 years: +40 %: 5760 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2494.493	OK
FEH: 30 years: +40 %: 7200 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2700.983	OK
FEH: 30 years: +40 %: 7200 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2701.360	OK
FEH: 30 years: +40 %: 8640 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2892.984	OK
FEH: 30 years: +40 %: 8640 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2893.676	OK
FEH: 30 years: +40 %: 10080 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3077.237	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3078.120	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Full Retention oil Interceptor: 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	27.943	25.664	26.066	0.402	449.4	2.300	0.000	443.4	244.494	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.943	25.664	26.053	0.389	433.0	2.230	0.000	429.5	244.534	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.943	25.664	26.036	0.372	370.6	2.132	0.000	369.3	317.725	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.943	25.664	26.019	0.355	347.7	2.034	0.000	346.7	317.709	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.943	25.664	26.015	0.351	321.5	2.012	0.000	320.3	397.225	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.943	25.664	25.967	0.303	253.7	1.736	0.000	252.7	396.696	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.943	25.664	26.041	0.377	219.7	2.158	0.000	218.7	463.934	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.943	25.664	26.041	0.377	160.7	2.159	0.000	160.6	463.170	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 30 years: +40 %: 180 mins: Summer	27.943	25.664	26.090	0.426	173.4	2.440	0.000	173.3	509.725	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.943	25.664	26.090	0.426	119.8	2.441	0.000	120.0	508.414	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.943	25.664	26.126	0.462	143.8	2.647	0.000	143.9	544.244	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	27.943	25.664	26.127	0.463	96.7	2.649	0.000	96.5	543.095	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	27.943	25.664	26.177	0.513	107.9	2.938	0.000	107.5	597.134	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	27.943	25.664	26.178	0.514	71.8	2.941	0.000	71.0	596.712	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	27.943	25.664	26.212	0.548	87.7	3.138	0.000	85.8	639.656	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	27.943	25.664	26.213	0.549	57.0	3.143	0.000	56.4	639.733	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	27.943	25.664	26.238	0.574	74.6	3.286	0.000	74.0	676.165	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	27.943	25.664	26.239	0.575	48.2	3.292	0.000	47.4	676.215	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	27.943	25.664	26.257	0.593	65.0	3.398	0.000	63.9	708.297	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	27.943	25.664	26.259	0.595	41.9	3.406	0.000	41.4	708.231	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	27.943	25.664	26.284	0.620	52.3	3.550	0.000	51.7	763.504	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	27.943	25.664	26.286	0.622	33.6	3.564	0.000	33.2	763.462	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	27.943	25.664	26.309	0.645	38.7	3.695	0.000	38.2	853.654	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	27.943	25.664	26.314	0.650	24.9	3.721	0.000	24.6	853.543	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	27.943	25.664	26.310	0.646	28.7	3.700	0.000	28.4	958.378	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	27.943	25.664	26.318	0.654	18.5	3.747	0.000	18.3	958.495	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	27.943	25.664	26.303	0.639	23.3	3.660	0.000	23.0	1043.004	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	27.943	25.664	26.304	0.640	15.0	3.667	0.000	14.9	1043.005	Surcharged

FEH: 30 years: +40 %: 4320 mins: Summer	27.943	25.664	26.289	0.625	17.5	3.580	0.000	17.4	1177.256	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	27.943	25.664	26.277	0.613	11.3	3.511	0.000	11.2	1177.013	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	27.943	25.664	26.279	0.615	14.5	3.520	0.000	14.3	1292.171	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	27.943	25.664	26.250	0.586	9.3	3.357	0.000	9.3	1292.320	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	27.943	25.664	26.271	0.607	12.5	3.475	0.000	12.4	1397.741	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	27.943	25.664	26.222	0.558	8.1	3.197	0.000	8.0	1397.266	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	27.943	25.664	26.264	0.600	11.2	3.433	0.000	11.1	1496.237	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	27.943	25.664	26.194	0.530	7.2	3.034	0.000	7.2	1495.731	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	27.943	25.664	26.257	0.593	10.2	3.398	0.000	10.1	1590.658	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.943	25.664	26.166	0.502	6.6	2.872	0.000	6.5	1590.925	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S14-4: 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	27.975	26.529	26.753	0.224	132.0	0.254	0.000	124.1	58.634	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.975	26.529	26.744	0.215	124.1	0.243	0.000	116.6	58.651	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.975	26.529	26.703	0.175	88.2	0.197	0.000	88.2	76.490	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.975	26.529	26.697	0.168	82.8	0.190	0.000	82.8	76.496	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.975	26.529	26.690	0.161	76.5	0.182	0.000	76.5	95.760	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.975	26.529	26.671	0.143	61.5	0.161	0.000	61.6	95.764	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.975	26.529	26.660	0.132	53.3	0.149	0.000	53.3	112.471	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.975	26.529	26.639	0.111	38.4	0.125	0.000	38.3	112.449	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 180 mins: Summer	27.975	26.529	26.644	0.115	41.4	0.130	0.000	41.4	123.693	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.975	26.529	26.624	0.095	28.5	0.108	0.000	28.5	123.683	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.975	26.529	26.633	0.105	34.2	0.118	0.000	34.3	132.377	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.975	26.529	26.614	0.085	23.0	0.097	0.000	23.0	132.377	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.975	26.529	26.619	0.090	25.8	0.102	0.000	25.8	145.649	OK
FEH: 30 years: +40 %: 360 mins: Winter	27.975	26.529	26.602	0.073	17.0	0.083	0.000	17.0	145.633	OK
FEH: 30 years: +40 %: 480 mins: Summer	27.975	26.529	26.610	0.082	21.1	0.093	0.000	21.2	156.053	OK
FEH: 30 years: +40 %: 480 mins: Winter	27.975	26.529	26.594	0.066	13.7	0.075	0.000	13.7	156.058	OK
FEH: 30 years: +40 %: 600 mins: Summer	27.975	26.529	26.604	0.075	17.9	0.085	0.000	17.9	164.817	OK
FEH: 30 years: +40 %: 600 mins: Winter	27.975	26.529	26.589	0.061	11.6	0.069	0.000	11.6	164.790	OK

FEH: 30 years: +40 %: 720 mins: Summer	27.975	26.529	26.599	0.070	15.6	0.080	0.000	15.6	172.422	OK
FEH: 30 years: +40 %: 720 mins: Winter	27.975	26.529	26.585	0.057	10.1	0.064	0.000	10.1	172.399	OK
FEH: 30 years: +40 %: 960 mins: Summer	27.975	26.529	26.592	0.063	12.6	0.072	0.000	12.6	185.303	OK
FEH: 30 years: +40 %: 960 mins: Winter	27.975	26.529	26.580	0.051	8.1	0.058	0.000	8.1	185.254	OK
FEH: 30 years: +40 %: 1440 mins: Summer	27.975	26.529	26.583	0.055	9.3	0.062	0.000	9.3	205.919	OK
FEH: 30 years: +40 %: 1440 mins: Winter	27.975	26.529	26.573	0.044	6.0	0.050	0.000	6.0	205.802	OK
FEH: 30 years: +40 %: 2160 mins: Summer	27.975	26.529	26.576	0.047	6.9	0.054	0.000	7.0	229.523	OK
FEH: 30 years: +40 %: 2160 mins: Winter	27.975	26.529	26.567	0.038	4.5	0.043	0.000	4.5	229.424	OK
FEH: 30 years: +40 %: 2880 mins: Summer	27.975	26.529	26.571	0.043	5.6	0.049	0.000	5.7	248.793	OK
FEH: 30 years: +40 %: 2880 mins: Winter	27.975	26.529	26.563	0.035	3.6	0.039	0.000	3.6	248.629	OK

FEH: 30 years: +40 %: 4320 mins: Summer	27.975	26.529	26.566	0.038	4.2	0.042	0.000	4.2	280.396	OK
FEH: 30 years: +40 %: 4320 mins: Winter	27.975	26.529	26.559	0.031	2.7	0.035	0.000	2.7	280.198	OK
FEH: 30 years: +40 %: 5760 mins: Summer	27.975	26.529	26.563	0.034	3.5	0.039	0.000	3.5	307.981	OK
FEH: 30 years: +40 %: 5760 mins: Winter	27.975	26.529	26.556	0.028	2.3	0.031	0.000	2.3	308.083	OK
FEH: 30 years: +40 %: 7200 mins: Summer	27.975	26.529	26.560	0.032	3.0	0.036	0.000	3.0	332.747	OK
FEH: 30 years: +40 %: 7200 mins: Winter	27.975	26.529	26.555	0.026	2.0	0.029	0.000	2.0	333.292	OK
FEH: 30 years: +40 %: 8640 mins: Summer	27.975	26.529	26.559	0.030	2.7	0.034	0.000	2.7	356.052	OK
FEH: 30 years: +40 %: 8640 mins: Winter	27.975	26.529	26.553	0.025	1.7	0.028	0.000	1.7	356.750	OK
FEH: 30 years: +40 %: 10080 mins: Summer	27.975	26.529	26.558	0.029	2.5	0.033	0.000	2.5	378.578	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.975	26.529	26.552	0.024	1.6	0.027	0.000	1.6	378.611	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S03-4: 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	27.908	25.903	27.089	1.186	260.3	1.342	0.000	256.2	160.246	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.908	25.903	27.028	1.125	254.7	1.272	0.000	251.1	160.264	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.908	25.903	26.830	0.927	241.2	1.048	0.000	241.2	209.051	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.908	25.903	26.740	0.837	226.3	0.947	0.000	226.4	209.012	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.908	25.903	26.635	0.732	209.2	0.828	0.000	209.2	261.905	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.908	25.903	26.335	0.432	165.8	0.489	0.000	164.6	261.655	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.908	25.903	26.236	0.333	143.8	0.377	0.000	142.6	306.819	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.908	25.903	26.135	0.232	104.8	0.263	0.000	104.7	306.235	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 180 mins: Summer	27.908	25.903	26.153	0.250	113.0	0.283	0.000	112.9	337.108	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.908	25.903	26.090	0.187	78.0	0.211	0.000	78.0	336.004	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.908	25.903	26.126	0.223	93.6	0.252	0.000	93.6	359.585	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.908	25.903	26.126	0.223	63.0	0.252	0.000	63.0	358.577	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.908	25.903	26.177	0.274	70.4	0.310	0.000	70.4	393.727	OK
FEH: 30 years: +40 %: 360 mins: Winter	27.908	25.903	26.177	0.274	46.4	0.310	0.000	46.4	393.246	OK
FEH: 30 years: +40 %: 480 mins: Summer	27.908	25.903	26.212	0.309	57.8	0.349	0.000	57.8	421.172	OK
FEH: 30 years: +40 %: 480 mins: Winter	27.908	25.903	26.213	0.310	37.4	0.350	0.000	37.4	421.137	OK
FEH: 30 years: +40 %: 600 mins: Summer	27.908	25.903	26.238	0.335	49.0	0.379	0.000	49.0	444.883	OK
FEH: 30 years: +40 %: 600 mins: Winter	27.908	25.903	26.239	0.336	31.6	0.380	0.000	31.6	444.869	OK

FEH: 30 years: +40 %: 720 mins: Summer	27.908	25.903	26.257	0.354	42.7	0.401	0.000	42.7	465.802	OK
FEH: 30 years: +40 %: 720 mins: Winter	27.908	25.903	26.259	0.356	27.5	0.402	0.000	27.6	465.727	OK
FEH: 30 years: +40 %: 960 mins: Summer	27.908	25.903	26.284	0.381	34.4	0.431	0.000	34.5	501.752	OK
FEH: 30 years: +40 %: 960 mins: Winter	27.908	25.903	26.286	0.383	22.2	0.434	0.000	22.2	501.663	OK
FEH: 30 years: +40 %: 1440 mins: Summer	27.908	25.903	26.309	0.406	25.5	0.460	0.000	25.5	560.304	OK
FEH: 30 years: +40 %: 1440 mins: Winter	27.908	25.903	26.314	0.411	16.5	0.465	0.000	16.5	560.235	OK
FEH: 30 years: +40 %: 2160 mins: Summer	27.908	25.903	26.310	0.407	18.9	0.461	0.000	19.0	626.819	OK
FEH: 30 years: +40 %: 2160 mins: Winter	27.908	25.903	26.318	0.415	12.2	0.470	0.000	12.2	626.860	OK
FEH: 30 years: +40 %: 2880 mins: Summer	27.908	25.903	26.303	0.400	15.4	0.453	0.000	15.4	679.134	OK
FEH: 30 years: +40 %: 2880 mins: Winter	27.908	25.903	26.304	0.401	9.9	0.454	0.000	9.9	679.165	OK

FEH: 30 years: +40 %: 4320 mins: Summer	27.908	25.903	26.289	0.386	11.6	0.437	0.000	11.6	766.414	OK
FEH: 30 years: +40 %: 4320 mins: Winter	27.908	25.903	26.277	0.374	7.5	0.423	0.000	7.5	766.097	OK
FEH: 30 years: +40 %: 5760 mins: Summer	27.908	25.903	26.279	0.376	9.5	0.425	0.000	9.6	841.103	OK
FEH: 30 years: +40 %: 5760 mins: Winter	27.908	25.903	26.250	0.347	6.2	0.393	0.000	6.2	841.229	OK
FEH: 30 years: +40 %: 7200 mins: Summer	27.908	25.903	26.271	0.368	8.3	0.416	0.000	8.3	909.362	OK
FEH: 30 years: +40 %: 7200 mins: Winter	27.908	25.903	26.222	0.319	5.3	0.361	0.000	5.3	909.687	OK
FEH: 30 years: +40 %: 8640 mins: Summer	27.908	25.903	26.264	0.361	7.4	0.408	0.000	7.4	973.967	OK
FEH: 30 years: +40 %: 8640 mins: Winter	27.908	25.903	26.194	0.291	4.8	0.329	0.000	4.8	973.781	OK
FEH: 30 years: +40 %: 10080 mins: Summer	27.908	25.903	26.257	0.354	6.7	0.401	0.000	6.7	1035.290	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.908	25.903	26.166	0.263	4.3	0.297	0.000	4.3	1035.766	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S13-4 : 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	27.975	25.850	26.152	0.301	124.1	0.341	0.000	104.5	58.543	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.975	25.850	26.140	0.289	116.6	0.327	0.000	100.0	58.544	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.975	25.850	26.111	0.260	88.2	0.295	0.000	87.2	76.591	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.975	25.850	26.099	0.249	82.8	0.281	0.000	81.8	76.599	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.975	25.850	26.088	0.238	76.5	0.269	0.000	76.7	94.149	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.975	25.850	26.054	0.204	61.6	0.231	0.000	61.7	94.067	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.975	25.850	26.041	0.191	53.3	0.216	0.000	53.1	109.093	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.975	25.850	26.041	0.191	38.3	0.216	0.000	38.1	109.076	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 180 mins: Summer	27.975	25.850	26.090	0.240	41.4	0.272	0.000	41.9	119.387	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.975	25.850	26.091	0.240	28.5	0.272	0.000	28.7	119.357	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.975	25.850	26.127	0.276	34.3	0.312	0.000	34.4	127.440	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.975	25.850	26.127	0.276	23.0	0.313	0.000	23.1	127.390	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.975	25.850	26.177	0.327	25.8	0.370	0.000	25.8	140.015	OK
FEH: 30 years: +40 %: 360 mins: Winter	27.975	25.850	26.178	0.328	17.0	0.370	0.000	17.0	139.961	OK
FEH: 30 years: +40 %: 480 mins: Summer	27.975	25.850	26.212	0.362	21.2	0.409	0.000	21.2	150.121	OK
FEH: 30 years: +40 %: 480 mins: Winter	27.975	25.850	26.213	0.363	13.7	0.410	0.000	13.7	150.124	OK
FEH: 30 years: +40 %: 600 mins: Summer	27.975	25.850	26.238	0.388	17.9	0.438	0.000	17.9	158.816	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	27.975	25.850	26.239	0.389	11.6	0.440	0.000	11.6	158.791	Surcharged

FEH: 30 years: +40 %: 720 mins: Summer	27.975	25.850	26.258	0.407	15.6	0.461	0.000	15.6	166.476	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	27.975	25.850	26.259	0.409	10.1	0.462	0.000	10.1	166.457	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	27.975	25.850	26.284	0.434	12.6	0.491	0.000	12.6	179.725	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	27.975	25.850	26.287	0.436	8.1	0.494	0.000	8.1	179.682	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	27.975	25.850	26.310	0.459	9.3	0.519	0.000	9.3	201.911	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	27.975	25.850	26.314	0.464	6.0	0.525	0.000	6.0	201.802	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	27.975	25.850	26.311	0.460	7.0	0.520	0.000	6.9	228.961	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	27.975	25.850	26.319	0.468	4.5	0.530	0.000	4.5	228.877	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	27.975	25.850	26.304	0.453	5.7	0.513	0.000	5.6	248.811	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	27.975	25.850	26.305	0.454	3.6	0.514	0.000	3.6	248.652	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 4320 mins: Summer	27.975	25.850	26.290	0.439	4.2	0.497	0.000	4.2	280.414	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	27.975	25.850	26.277	0.427	2.7	0.483	0.000	2.7	280.220	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	27.975	25.850	26.279	0.429	3.5	0.485	0.000	3.5	307.999	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	27.975	25.850	26.251	0.400	2.3	0.453	0.000	2.3	308.106	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	27.975	25.850	26.271	0.421	3.0	0.476	0.000	3.0	332.768	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	27.975	25.850	26.223	0.372	2.0	0.421	0.000	2.0	333.318	OK
FEH: 30 years: +40 %: 8640 mins: Summer	27.975	25.850	26.264	0.414	2.7	0.468	0.000	2.7	356.079	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	27.975	25.850	26.194	0.344	1.7	0.389	0.000	1.7	356.786	OK
FEH: 30 years: +40 %: 10080 mins: Summer	27.975	25.850	26.258	0.407	2.5	0.461	0.000	2.5	378.617	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.975	25.850	26.166	0.316	1.6	0.357	0.000	1.6	378.668	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S15-4: 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	27.970	26.937	27.158	0.221	128.1	0.250	0.000	125.3	55.675	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.970	26.937	27.149	0.212	120.3	0.239	0.000	117.8	55.676	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.970	26.937	27.105	0.168	83.8	0.191	0.000	83.8	72.630	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.970	26.937	27.099	0.162	78.7	0.183	0.000	78.7	72.629	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.970	26.937	27.092	0.155	72.7	0.175	0.000	72.7	90.888	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.970	26.937	27.073	0.136	58.5	0.154	0.000	58.5	90.891	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.970	26.937	27.063	0.126	50.6	0.142	0.000	50.6	106.717	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.970	26.937	27.042	0.105	36.4	0.119	0.000	36.4	106.707	OK

FEH: 30 years: +40 %: 180 mins: Summer	27.970	26.937	27.046	0.109	39.3	0.124	0.000	39.3	117.365	OK
FEH: 30 years: +40 %: 180 mins: Winter	27.970	26.937	27.027	0.090	27.1	0.101	0.000	27.1	117.361	OK
FEH: 30 years: +40 %: 240 mins: Summer	27.970	26.937	27.036	0.099	32.5	0.112	0.000	32.5	125.613	OK
FEH: 30 years: +40 %: 240 mins: Winter	27.970	26.937	27.017	0.080	21.9	0.091	0.000	21.9	125.609	OK
FEH: 30 years: +40 %: 360 mins: Summer	27.970	26.937	27.022	0.085	24.5	0.096	0.000	24.5	138.218	OK
FEH: 30 years: +40 %: 360 mins: Winter	27.970	26.937	27.005	0.068	16.1	0.077	0.000	16.1	138.202	OK
FEH: 30 years: +40 %: 480 mins: Summer	27.970	26.937	27.014	0.077	20.1	0.087	0.000	20.1	148.087	OK
FEH: 30 years: +40 %: 480 mins: Winter	27.970	26.937	26.998	0.061	13.0	0.069	0.000	13.0	148.107	OK
FEH: 30 years: +40 %: 600 mins: Summer	27.970	26.937	27.007	0.070	17.0	0.080	0.000	17.0	156.408	OK
FEH: 30 years: +40 %: 600 mins: Winter	27.970	26.937	26.993	0.056	11.0	0.064	0.000	11.0	156.411	OK

FEH: 30 years: +40 %: 720 mins: Summer	27.970	26.937	27.003	0.066	14.9	0.074	0.000	14.9	163.656	OK
FEH: 30 years: +40 %: 720 mins: Winter	27.970	26.937	26.990	0.053	9.6	0.060	0.000	9.6	163.622	OK
FEH: 30 years: +40 %: 960 mins: Summer	27.970	26.937	26.996	0.059	12.0	0.067	0.000	12.0	175.901	OK
FEH: 30 years: +40 %: 960 mins: Winter	27.970	26.937	26.984	0.047	7.7	0.054	0.000	7.7	175.880	OK
FEH: 30 years: +40 %: 1440 mins: Summer	27.970	26.937	26.988	0.051	8.9	0.057	0.000	8.9	195.485	OK
FEH: 30 years: +40 %: 1440 mins: Winter	27.970	26.937	26.978	0.041	5.7	0.046	0.000	5.7	195.440	OK
FEH: 30 years: +40 %: 2160 mins: Summer	27.970	26.937	26.981	0.044	6.6	0.050	0.000	6.6	217.918	OK
FEH: 30 years: +40 %: 2160 mins: Winter	27.970	26.937	26.972	0.035	4.3	0.040	0.000	4.3	217.886	OK
FEH: 30 years: +40 %: 2880 mins: Summer	27.970	26.937	26.977	0.040	5.4	0.045	0.000	5.4	236.128	OK
FEH: 30 years: +40 %: 2880 mins: Winter	27.970	26.937	26.969	0.032	3.5	0.036	0.000	3.5	236.210	OK

FEH: 30 years: +40 %: 4320 mins: Summer	27.970	26.937	26.972	0.035	4.0	0.039	0.000	4.0	266.319	OK
FEH: 30 years: +40 %: 4320 mins: Winter	27.970	26.937	26.965	0.028	2.6	0.032	0.000	2.6	266.239	OK
FEH: 30 years: +40 %: 5760 mins: Summer	27.970	26.937	26.969	0.032	3.3	0.036	0.000	3.3	292.437	OK
FEH: 30 years: +40 %: 5760 mins: Winter	27.970	26.937	26.963	0.026	2.1	0.029	0.000	2.1	292.573	OK
FEH: 30 years: +40 %: 7200 mins: Summer	27.970	26.937	26.967	0.030	2.9	0.033	0.000	2.9	316.142	OK
FEH: 30 years: +40 %: 7200 mins: Winter	27.970	26.937	26.961	0.024	1.9	0.027	0.000	1.9	316.345	OK
FEH: 30 years: +40 %: 8640 mins: Summer	27.970	26.937	26.965	0.028	2.6	0.032	0.000	2.6	338.624	OK
FEH: 30 years: +40 %: 8640 mins: Winter	27.970	26.937	26.960	0.023	1.6	0.026	0.000	1.6	338.527	OK
FEH: 30 years: +40 %: 10080 mins: Summer	27.970	26.937	26.964	0.027	2.3	0.030	0.000	2.3	359.864	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	27.970	26.937	26.959	0.022	1.5	0.025	0.000	1.5	360.165	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S16-4: 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	28.087	26.287	27.093	0.806	378.1	0.912	0.000	374.9	164.212	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.087	26.287	27.031	0.744	354.9	0.841	0.000	352.3	164.216	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.087	26.287	26.801	0.514	247.4	0.582	0.000	247.4	214.280	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.087	26.287	26.773	0.486	232.1	0.550	0.000	232.1	214.274	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.087	26.287	26.697	0.410	214.6	0.463	0.000	214.6	268.177	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.087	26.287	26.593	0.306	172.6	0.346	0.000	172.6	268.173	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.087	26.287	26.561	0.274	149.4	0.310	0.000	149.4	314.903	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.087	26.287	26.507	0.220	107.5	0.249	0.000	107.5	314.892	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 180 mins: Summer	28.087	26.287	26.518	0.231	116.0	0.261	0.000	116.0	346.326	OK
FEH: 30 years: +40 %: 180 mins: Winter	28.087	26.287	26.470	0.183	80.0	0.207	0.000	80.0	346.331	OK
FEH: 30 years: +40 %: 240 mins: Summer	28.087	26.287	26.492	0.205	96.0	0.232	0.000	96.0	370.644	OK
FEH: 30 years: +40 %: 240 mins: Winter	28.087	26.287	26.448	0.161	64.6	0.182	0.000	64.6	370.649	OK
FEH: 30 years: +40 %: 360 mins: Summer	28.087	26.287	26.459	0.172	72.2	0.195	0.000	72.2	407.898	OK
FEH: 30 years: +40 %: 360 mins: Winter	28.087	26.287	26.422	0.135	47.6	0.153	0.000	47.6	407.873	OK
FEH: 30 years: +40 %: 480 mins: Summer	28.087	26.287	26.440	0.153	59.3	0.173	0.000	59.3	437.105	OK
FEH: 30 years: +40 %: 480 mins: Winter	28.087	26.287	26.407	0.120	38.4	0.135	0.000	38.4	437.080	OK
FEH: 30 years: +40 %: 600 mins: Summer	28.087	26.287	26.426	0.139	50.3	0.158	0.000	50.3	461.556	OK
FEH: 30 years: +40 %: 600 mins: Winter	28.087	26.287	26.396	0.109	32.4	0.123	0.000	32.4	461.580	OK

FEH: 30 years: +40 %: 720 mins: Summer	28.087	26.287	26.416	0.129	43.8	0.146	0.000	43.8	482.878	OK
FEH: 30 years: +40 %: 720 mins: Winter	28.087	26.287	26.388	0.101	28.3	0.114	0.000	28.3	482.864	OK
FEH: 30 years: +40 %: 960 mins: Summer	28.087	26.287	26.401	0.114	35.3	0.129	0.000	35.3	519.068	OK
FEH: 30 years: +40 %: 960 mins: Winter	28.087	26.287	26.377	0.090	22.8	0.102	0.000	22.8	519.095	OK
FEH: 30 years: +40 %: 1440 mins: Summer	28.087	26.287	26.384	0.097	26.2	0.110	0.000	26.2	576.812	OK
FEH: 30 years: +40 %: 1440 mins: Winter	28.087	26.287	26.363	0.076	16.9	0.086	0.000	16.9	576.868	OK
FEH: 30 years: +40 %: 2160 mins: Summer	28.087	26.287	26.369	0.082	19.4	0.093	0.000	19.4	642.987	OK
FEH: 30 years: +40 %: 2160 mins: Winter	28.087	26.287	26.352	0.065	12.6	0.074	0.000	12.6	643.053	OK
FEH: 30 years: +40 %: 2880 mins: Summer	28.087	26.287	26.361	0.074	15.8	0.083	0.000	15.8	696.832	OK
FEH: 30 years: +40 %: 2880 mins: Winter	28.087	26.287	26.346	0.059	10.2	0.066	0.000	10.2	696.730	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 4320 mins: Summer	28.087	26.287	26.350	0.063	11.9	0.072	0.000	11.9	786.003	OK
FEH: 30 years: +40 %: 4320 mins: Winter	28.087	26.287	26.338	0.051	7.7	0.057	0.000	7.7	786.089	OK
FEH: 30 years: +40 %: 5760 mins: Summer	28.087	26.287	26.344	0.057	9.8	0.065	0.000	9.8	862.533	OK
FEH: 30 years: +40 %: 5760 mins: Winter	28.087	26.287	26.333	0.046	6.3	0.052	0.000	6.3	862.656	OK
FEH: 30 years: +40 %: 7200 mins: Summer	28.087	26.287	26.340	0.053	8.5	0.060	0.000	8.5	932.752	OK
FEH: 30 years: +40 %: 7200 mins: Winter	28.087	26.287	26.329	0.042	5.5	0.048	0.000	5.5	933.083	OK
FEH: 30 years: +40 %: 8640 mins: Summer	28.087	26.287	26.337	0.050	7.6	0.057	0.000	7.6	998.956	OK
FEH: 30 years: +40 %: 8640 mins: Winter	28.087	26.287	26.327	0.040	4.9	0.045	0.000	4.9	999.365	OK
FEH: 30 years: +40 %: 10080 mins: Summer	28.087	26.287	26.335	0.048	6.9	0.054	0.000	6.9	1062.587	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 10080 mins: Winter	28.087	26.287	26.325	0.038	4.4	0.043	0.000	4.4	1062.750	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S12-4: 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	27.975	25.640	25.872	0.232	158.7	0.263	0.000	148.4	82.491	OK
FEH: 100 years: +45 %: 15 mins: Winter	27.975	25.640	25.865	0.225	148.3	0.255	0.000	141.2	82.488	OK
FEH: 100 years: +45 %: 30 mins: Summer	27.975	25.640	25.989	0.349	128.8	0.394	0.000	128.1	106.010	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.975	25.640	25.989	0.349	121.1	0.394	0.000	120.6	105.955	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.975	25.640	26.119	0.479	112.7	0.542	0.000	109.0	130.354	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.975	25.640	26.119	0.479	90.3	0.542	0.000	83.7	130.262	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.975	25.640	26.214	0.574	78.4	0.649	0.000	72.1	150.867	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.975	25.640	26.214	0.574	56.2	0.649	0.000	52.0	150.725	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	27.975	25.640	26.275	0.635	60.0	0.718	0.000	55.9	165.183	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	27.975	25.640	26.275	0.635	41.3	0.719	0.000	38.5	165.171	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	27.975	25.640	26.321	0.681	49.4	0.770	0.000	46.1	176.672	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	27.975	25.640	26.321	0.681	33.2	0.771	0.000	31.0	176.673	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	27.975	25.640	26.388	0.748	35.9	0.846	0.000	33.3	194.971	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.975	25.640	26.389	0.749	24.3	0.847	0.000	22.6	194.965	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.975	25.640	26.437	0.797	28.8	0.902	0.000	26.9	209.684	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.975	25.640	26.439	0.799	19.3	0.903	0.000	18.0	209.595	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.975	25.640	26.475	0.835	23.5	0.944	0.000	22.0	222.198	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.975	25.640	26.477	0.837	16.1	0.947	0.000	15.1	222.160	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	27.975	25.640	26.505	0.865	20.2	0.978	0.000	19.2	233.246	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.975	25.640	26.508	0.868	13.7	0.981	0.000	12.8	233.170	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.975	25.640	26.548	0.908	16.2	1.027	0.000	15.5	252.276	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.975	25.640	26.553	0.913	10.9	1.032	0.000	10.2	252.126	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.975	25.640	26.597	0.957	12.0	1.082	0.000	11.6	282.565	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.975	25.640	26.605	0.965	7.9	1.091	0.000	7.6	282.520	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.975	25.640	26.615	0.975	9.0	1.103	0.000	8.8	317.702	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.975	25.640	26.630	0.990	5.8	1.119	0.000	5.7	317.703	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.975	25.640	26.610	0.970	7.4	1.097	0.000	7.2	347.859	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.975	25.640	26.625	0.985	4.7	1.114	0.000	4.7	347.754	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	27.975	25.640	26.591	0.951	5.5	1.076	0.000	5.4	398.797	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.975	25.640	26.594	0.954	3.6	1.079	0.000	3.5	399.005	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.975	25.640	26.575	0.935	4.5	1.058	0.000	4.4	433.982	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.975	25.640	26.564	0.924	2.9	1.045	0.000	2.9	433.924	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.975	25.640	26.563	0.923	3.9	1.043	0.000	3.8	465.706	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.975	25.640	26.535	0.895	2.6	1.012	0.000	2.4	464.890	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.975	25.640	26.552	0.912	3.4	1.032	0.000	3.4	494.860	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.975	25.640	26.506	0.866	2.3	0.980	0.000	2.2	494.464	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.975	25.640	26.543	0.903	3.1	1.021	0.000	3.0	521.584	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.975	25.640	26.480	0.840	2.1	0.950	0.000	2.0	521.727	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S04- 4 : 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	27.886	25.701	27.087	1.386	511.2	1.568	0.000	505.5	305.811	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.886	25.701	26.991	1.290	490.5	1.459	0.000	485.8	305.415	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.886	25.701	26.705	1.004	408.9	1.135	0.000	411.3	402.995	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.886	25.701	26.666	0.965	396.0	1.091	0.000	396.2	402.924	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.886	25.701	26.632	0.931	378.3	1.053	0.000	375.7	504.425	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.886	25.701	26.470	0.769	326.2	0.869	0.000	326.2	503.488	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.886	25.701	26.354	0.653	278.1	0.738	0.000	278.0	579.230	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.886	25.701	26.213	0.512	199.1	0.580	0.000	198.9	578.124	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.886	25.701	26.275	0.574	212.0	0.649	0.000	211.6	629.203	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	27.886	25.701	26.275	0.574	148.0	0.649	0.000	147.3	629.053	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	27.886	25.701	26.321	0.620	176.0	0.701	0.000	175.4	670.487	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	27.886	25.701	26.321	0.620	119.1	0.701	0.000	118.3	669.918	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	27.886	25.701	26.388	0.687	132.5	0.777	0.000	131.5	736.611	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.886	25.701	26.389	0.688	87.7	0.778	0.000	87.0	735.028	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.886	25.701	26.437	0.736	108.0	0.832	0.000	107.0	789.785	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.886	25.701	26.439	0.738	70.6	0.834	0.000	69.9	787.715	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.886	25.701	26.474	0.773	91.9	0.875	0.000	90.9	834.283	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.886	25.701	26.477	0.776	59.2	0.878	0.000	58.5	832.757	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 720 mins: Summer	27.886	25.701	26.504	0.803	79.2	0.909	0.000	78.4	873.281	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.886	25.701	26.508	0.807	51.6	0.912	0.000	50.9	872.359	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.886	25.701	26.548	0.847	64.4	0.958	0.000	63.6	940.633	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.886	25.701	26.553	0.852	41.5	0.963	0.000	40.9	940.421	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.886	25.701	26.597	0.896	47.4	1.013	0.000	46.8	1049.575	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.886	25.701	26.605	0.904	30.5	1.022	0.000	30.1	1049.412	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.886	25.701	26.615	0.914	35.1	1.034	0.000	34.7	1174.735	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.886	25.701	26.630	0.929	22.6	1.050	0.000	22.3	1174.528	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.886	25.701	26.610	0.909	28.4	1.028	0.000	28.1	1276.386	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.886	25.701	26.625	0.924	18.3	1.045	0.000	18.1	1276.144	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	27.886	25.701	26.592	0.891	21.3	1.007	0.000	21.1	1432.576	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.886	25.701	26.594	0.893	13.7	1.010	0.000	13.5	1433.143	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.886	25.701	26.575	0.874	17.4	0.989	0.000	17.2	1558.462	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.886	25.701	26.564	0.863	11.2	0.976	0.000	11.1	1558.596	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.886	25.701	26.563	0.862	15.0	0.974	0.000	14.8	1671.399	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.886	25.701	26.535	0.834	9.7	0.943	0.000	9.6	1671.893	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.886	25.701	26.552	0.851	13.3	0.963	0.000	13.1	1775.539	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.886	25.701	26.506	0.805	8.6	0.911	0.000	8.5	1775.879	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.886	25.701	26.543	0.842	12.0	0.952	0.000	11.9	1874.706	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.886	25.701	26.480	0.779	7.8	0.881	0.000	7.7	1875.617	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S05- 4: 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	27.792	25.689	26.722	1.033	530.8	1.169	0.000	526.8	316.252	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.792	25.689	26.653	0.964	509.5	1.090	0.000	506.2	315.852	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.792	25.689	26.461	0.772	427.9	0.873	0.000	429.6	416.585	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.792	25.689	26.438	0.749	411.9	0.847	0.000	412.0	416.506	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.792	25.689	26.427	0.738	390.3	0.835	0.000	389.4	521.033	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.792	25.689	26.317	0.628	337.9	0.711	0.000	337.8	520.083	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.792	25.689	26.245	0.556	288.0	0.629	0.000	288.0	598.484	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.792	25.689	26.214	0.525	206.1	0.593	0.000	205.9	597.379	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	27.792	25.689	26.275	0.586	219.3	0.663	0.000	219.1	650.322	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	27.792	25.689	26.275	0.586	152.6	0.663	0.000	152.2	650.161	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	27.792	25.689	26.321	0.632	181.7	0.715	0.000	181.3	693.082	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	27.792	25.689	26.321	0.632	122.6	0.715	0.000	122.1	692.521	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	27.792	25.689	26.388	0.699	136.2	0.791	0.000	135.7	761.568	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.792	25.689	26.389	0.700	90.2	0.792	0.000	89.8	760.007	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.792	25.689	26.437	0.748	110.9	0.846	0.000	110.3	816.516	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.792	25.689	26.439	0.750	72.4	0.848	0.000	72.1	814.474	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.792	25.689	26.474	0.785	94.2	0.888	0.000	93.8	862.650	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.792	25.689	26.477	0.788	60.6	0.891	0.000	60.3	861.186	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	27.792	25.689	26.504	0.815	81.3	0.922	0.000	80.9	903.120	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.792	25.689	26.508	0.819	52.8	0.926	0.000	52.6	902.274	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.792	25.689	26.548	0.859	65.9	0.972	0.000	65.6	972.976	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.792	25.689	26.553	0.864	42.4	0.977	0.000	42.2	972.800	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.792	25.689	26.597	0.908	48.5	1.027	0.000	48.3	1085.849	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.792	25.689	26.605	0.916	31.2	1.036	0.000	31.1	1085.700	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.792	25.689	26.615	0.926	36.0	1.048	0.000	35.8	1215.470	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.792	25.689	26.630	0.941	23.1	1.064	0.000	23.0	1215.387	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.792	25.689	26.610	0.921	29.1	1.041	0.000	29.0	1320.914	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.792	25.689	26.625	0.936	18.7	1.059	0.000	18.6	1320.761	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 4320 mins: Summer	27.792	25.689	26.591	0.902	21.8	1.021	0.000	21.7	1484.066	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.792	25.689	26.594	0.905	14.0	1.023	0.000	13.9	1484.488	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.792	25.689	26.575	0.886	17.8	1.003	0.000	17.7	1614.452	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.792	25.689	26.564	0.875	11.5	0.990	0.000	11.5	1614.237	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.792	25.689	26.563	0.874	15.3	0.988	0.000	15.3	1731.544	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.792	25.689	26.535	0.846	9.9	0.957	0.000	9.9	1731.524	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.792	25.689	26.552	0.863	13.6	0.976	0.000	13.5	1839.304	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.792	25.689	26.506	0.817	8.8	0.924	0.000	8.7	1839.338	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.792	25.689	26.543	0.854	12.3	0.965	0.000	12.3	1941.981	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.792	25.689	26.480	0.791	8.0	0.894	0.000	7.9	1942.772	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S07- 4: 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	27.633	25.344	25.860	0.516	6.7	0.584	0.000	5.6	7.470	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.633	25.344	25.860	0.516	6.3	0.583	0.000	5.6	7.544	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.633	25.344	25.986	0.643	6.6	0.727	0.000	5.6	15.895	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.633	25.344	25.986	0.642	6.5	0.727	0.000	5.6	15.973	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.633	25.344	26.117	0.773	6.2	0.874	0.000	5.6	30.828	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.633	25.344	26.117	0.773	6.1	0.874	0.000	5.6	30.844	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.633	25.344	26.212	0.868	6.0	0.982	0.000	5.6	63.158	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.633	25.344	26.212	0.868	5.9	0.982	0.000	5.6	63.193	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.633	25.344	26.273	0.929	5.9	1.051	0.000	5.6	97.653	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	27.633	25.344	26.273	0.929	5.8	1.051	0.000	5.6	97.627	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	27.633	25.344	26.319	0.975	5.8	1.102	0.000	5.6	132.965	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	27.633	25.344	26.319	0.975	5.7	1.103	0.000	5.6	132.799	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	27.633	25.344	26.386	1.042	5.7	1.178	0.000	5.6	205.130	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.633	25.344	26.387	1.043	5.7	1.179	0.000	5.6	204.598	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.633	25.344	26.434	1.090	5.7	1.233	0.000	5.6	278.560	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.633	25.344	26.436	1.092	5.7	1.235	0.000	5.6	277.595	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.633	25.344	26.472	1.128	5.7	1.276	0.000	5.6	352.641	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.633	25.344	26.474	1.130	5.7	1.278	0.000	5.6	351.232	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	27.633	25.344	26.502	1.158	5.7	1.309	0.000	5.6	427.038	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.633	25.344	26.505	1.161	5.6	1.313	0.000	5.6	425.171	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.633	25.344	26.545	1.201	5.6	1.359	0.000	5.6	575.932	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.633	25.344	26.550	1.206	5.6	1.364	0.000	5.6	573.163	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.633	25.344	26.593	1.250	5.6	1.413	0.000	5.6	870.351	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.633	25.344	26.601	1.258	5.6	1.422	0.000	5.6	866.124	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.633	25.344	26.612	1.268	5.7	1.435	0.000	5.7	1294.130	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.633	25.344	26.626	1.283	5.7	1.451	0.000	5.7	1288.713	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.633	25.344	26.607	1.263	5.6	1.428	0.000	5.6	1706.172	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.633	25.344	26.622	1.278	5.7	1.446	0.000	5.7	1699.619	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	27.633	25.344	26.588	1.244	5.6	1.408	0.000	5.6	2573.633	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.633	25.344	26.591	1.247	5.6	1.410	0.000	5.6	2570.327	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.633	25.344	26.572	1.228	5.6	1.389	0.000	5.6	3109.737	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.633	25.344	26.561	1.217	5.6	1.377	0.000	5.6	3109.769	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.633	25.344	26.560	1.216	5.6	1.375	0.000	5.6	3346.046	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.633	25.344	26.532	1.188	5.6	1.344	0.000	5.6	3345.484	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.633	25.344	26.549	1.205	5.6	1.363	0.000	5.6	3558.099	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.633	25.344	26.503	1.159	5.6	1.311	0.000	5.6	3557.433	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.633	25.344	26.540	1.196	5.6	1.352	0.000	5.6	3757.289	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.633	25.344	26.477	1.133	5.6	1.281	0.000	5.6	3758.462	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S01- 4: 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	27.945	26.045	27.560	1.515	170.6	1.714	0.000	163.6	74.133	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.945	26.045	27.436	1.391	160.1	1.573	0.000	154.5	74.138	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.945	26.045	27.063	1.018	112.6	1.151	0.000	116.4	97.652	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.945	26.045	27.043	0.998	105.7	1.128	0.000	107.8	97.628	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.945	26.045	27.003	0.958	98.0	1.084	0.000	97.7	122.902	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.945	26.045	26.776	0.731	78.8	0.827	0.000	78.8	122.798	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.945	26.045	26.570	0.525	67.3	0.593	0.000	67.2	141.568	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.945	26.045	26.276	0.231	48.4	0.262	0.000	48.2	141.444	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.945	26.045	26.310	0.265	51.9	0.300	0.000	51.5	154.159	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.945	26.045	26.274	0.229	35.8	0.259	0.000	35.8	154.118	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.945	26.045	26.321	0.276	42.8	0.312	0.000	42.7	164.227	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.945	26.045	26.321	0.276	28.8	0.312	0.000	28.8	164.137	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.945	26.045	26.388	0.343	32.1	0.388	0.000	32.1	180.225	OK
FEH: 100 years: +45 %: 360 mins: Winter	27.945	26.045	26.389	0.344	21.2	0.389	0.000	21.2	180.041	OK
FEH: 100 years: +45 %: 480 mins: Summer	27.945	26.045	26.437	0.392	26.4	0.444	0.000	26.4	193.069	OK
FEH: 100 years: +45 %: 480 mins: Winter	27.945	26.045	26.439	0.394	17.1	0.445	0.000	17.1	192.819	OK
FEH: 100 years: +45 %: 600 mins: Summer	27.945	26.045	26.475	0.430	22.4	0.486	0.000	22.4	203.856	OK
FEH: 100 years: +45 %: 600 mins: Winter	27.945	26.045	26.477	0.432	14.4	0.488	0.000	14.4	203.720	OK

FEH: 100 years: +45 %: 720 mins: Summer	27.945	26.045	26.505	0.460	19.5	0.520	0.000	19.5	213.351	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.945	26.045	26.507	0.462	12.6	0.523	0.000	12.6	213.268	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.945	26.045	26.549	0.504	15.8	0.570	0.000	15.7	229.779	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.945	26.045	26.553	0.508	10.2	0.574	0.000	10.2	229.709	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.945	26.045	26.597	0.552	11.7	0.624	0.000	11.7	255.893	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.945	26.045	26.605	0.560	7.5	0.633	0.000	7.5	255.896	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.945	26.045	26.616	0.571	8.7	0.645	0.000	8.7	285.801	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.945	26.045	26.630	0.585	5.6	0.661	0.000	5.6	285.711	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.945	26.045	26.610	0.565	7.0	0.639	0.000	7.0	309.434	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.945	26.045	26.625	0.580	4.5	0.656	0.000	4.5	309.463	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	27.945	26.045	26.592	0.547	5.2	0.618	0.000	5.2	345.850	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.945	26.045	26.594	0.549	3.4	0.621	0.000	3.4	346.012	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.945	26.045	26.575	0.530	4.3	0.600	0.000	4.3	376.346	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.945	26.045	26.564	0.519	2.8	0.587	0.000	2.8	376.454	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.945	26.045	26.563	0.518	3.7	0.585	0.000	3.7	403.605	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.945	26.045	26.535	0.490	2.4	0.554	0.000	2.4	403.680	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.945	26.045	26.552	0.507	3.2	0.574	0.000	3.2	428.945	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.945	26.045	26.506	0.461	2.1	0.522	0.000	2.1	428.778	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.945	26.045	26.543	0.498	2.9	0.563	0.000	2.9	452.806	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.945	26.045	26.480	0.435	1.9	0.492	0.000	1.9	452.453	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S02- 4: 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	27.946	25.986	27.468	1.482	194.5	1.676	0.000	160.6	131.917	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.946	25.986	27.355	1.369	183.4	1.549	0.000	158.4	127.637	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.946	25.986	27.017	1.031	155.3	1.166	0.000	160.2	152.823	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.946	25.986	26.998	1.012	154.3	1.145	0.000	157.7	146.707	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.946	25.986	26.965	0.979	118.3	1.107	0.000	143.0	176.375	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.946	25.986	26.755	0.769	111.8	0.870	0.000	111.8	174.612	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.946	25.986	26.555	0.569	95.3	0.643	0.000	95.1	200.133	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.946	25.986	26.252	0.266	68.6	0.301	0.000	67.8	199.588	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.946	25.986	26.292	0.306	73.3	0.346	0.000	72.1	216.576	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.946	25.986	26.274	0.288	50.8	0.326	0.000	50.8	216.516	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.946	25.986	26.321	0.335	60.7	0.379	0.000	60.4	230.348	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.946	25.986	26.321	0.335	40.9	0.379	0.000	40.9	230.058	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.946	25.986	26.388	0.402	45.6	0.455	0.000	45.6	252.860	OK
FEH: 100 years: +45 %: 360 mins: Winter	27.946	25.986	26.389	0.403	30.1	0.456	0.000	30.1	251.817	OK
FEH: 100 years: +45 %: 480 mins: Summer	27.946	25.986	26.437	0.451	37.5	0.510	0.000	37.4	271.015	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.946	25.986	26.439	0.453	24.2	0.512	0.000	24.3	269.507	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.946	25.986	26.475	0.489	31.8	0.553	0.000	31.7	285.945	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.946	25.986	26.477	0.491	20.5	0.555	0.000	20.5	284.826	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 720 mins: Summer	27.946	25.986	26.505	0.519	27.7	0.587	0.000	27.6	299.045	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.946	25.986	26.507	0.521	17.9	0.590	0.000	17.9	298.379	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.946	25.986	26.549	0.563	22.4	0.636	0.000	22.3	321.983	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.946	25.986	26.553	0.567	14.4	0.641	0.000	14.4	321.779	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.946	25.986	26.597	0.611	16.6	0.691	0.000	16.3	359.815	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.946	25.986	26.605	0.619	10.7	0.700	0.000	10.6	359.769	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.946	25.986	26.615	0.629	12.3	0.712	0.000	12.1	404.006	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.946	25.986	26.630	0.644	7.9	0.728	0.000	7.8	403.832	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.946	25.986	26.610	0.624	10.0	0.706	0.000	9.8	439.120	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.946	25.986	26.625	0.639	6.4	0.723	0.000	6.4	438.941	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	27.946	25.986	26.592	0.606	7.4	0.685	0.000	7.4	491.079	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.946	25.986	26.594	0.608	4.8	0.688	0.000	4.8	491.436	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.946	25.986	26.575	0.589	6.1	0.667	0.000	6.1	534.394	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.946	25.986	26.564	0.578	3.9	0.654	0.000	3.9	534.801	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.946	25.986	26.563	0.577	5.2	0.652	0.000	5.2	572.906	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.946	25.986	26.535	0.549	3.4	0.621	0.000	3.4	573.654	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.946	25.986	26.552	0.566	4.6	0.640	0.000	4.6	609.263	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.946	25.986	26.506	0.520	3.0	0.588	0.000	3.0	609.011	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.946	25.986	26.543	0.557	4.2	0.630	0.000	4.2	642.981	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.946	25.986	26.480	0.494	2.7	0.558	0.000	2.7	642.597	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S -19- 4: 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	26.950	26.350	26.980	0.630	173.9	30.722	30.506	104.6	44.572	Flood
FEH: 100 years: +45 %: 15 mins: Winter	26.950	26.350	26.977	0.627	154.9	26.734	26.517	98.1	40.171	Flood
FEH: 100 years: +45 %: 30 mins: Summer	26.950	26.350	26.971	0.621	69.9	21.288	21.072	115.5	37.547	Flood
FEH: 100 years: +45 %: 30 mins: Winter	26.950	26.350	26.965	0.615	48.0	15.534	15.318	107.0	31.351	Flood
FEH: 100 years: +45 %: 60 mins: Summer	26.950	26.350	26.958	0.608	28.8	8.505	8.289	52.1	30.524	Flood
FEH: 100 years: +45 %: 60 mins: Winter	26.950	26.350	26.766	0.416	18.9	0.150	0.000	18.8	29.245	Flood Risk
FEH: 100 years: +45 %: 120 mins: Summer	26.950	26.350	26.563	0.213	16.1	0.077	0.000	16.0	33.829	OK
FEH: 100 years: +45 %: 120 mins: Winter	26.950	26.350	26.419	0.069	11.6	0.025	0.000	11.6	33.815	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	26.950	26.350	26.422	0.072	12.4	0.026	0.000	12.4	36.918	OK
FEH: 100 years: +45 %: 180 mins: Winter	26.950	26.350	26.411	0.061	8.6	0.022	0.000	8.6	37.004	OK
FEH: 100 years: +45 %: 240 mins: Summer	26.950	26.350	26.417	0.067	10.2	0.024	0.000	10.2	39.408	OK
FEH: 100 years: +45 %: 240 mins: Winter	26.950	26.350	26.405	0.055	6.9	0.020	0.000	6.9	39.471	OK
FEH: 100 years: +45 %: 360 mins: Summer	26.950	26.350	26.408	0.058	7.7	0.021	0.000	7.7	43.531	OK
FEH: 100 years: +45 %: 360 mins: Winter	26.950	26.350	26.397	0.047	5.1	0.017	0.000	5.1	43.394	OK
FEH: 100 years: +45 %: 480 mins: Summer	26.950	26.350	26.437	0.087	6.3	0.031	0.000	6.3	46.759	OK
FEH: 100 years: +45 %: 480 mins: Winter	26.950	26.350	26.439	0.089	4.1	0.032	0.000	4.1	46.477	OK
FEH: 100 years: +45 %: 600 mins: Summer	26.950	26.350	26.475	0.125	5.4	0.045	0.000	5.3	49.363	OK
FEH: 100 years: +45 %: 600 mins: Winter	26.950	26.350	26.477	0.127	3.5	0.046	0.000	3.5	49.099	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 720 mins: Summer	26.950	26.350	26.505	0.155	4.7	0.056	0.000	4.7	51.550	OK
FEH: 100 years: +45 %: 720 mins: Winter	26.950	26.350	26.507	0.157	3.0	0.057	0.000	3.0	51.405	OK
FEH: 100 years: +45 %: 960 mins: Summer	26.950	26.350	26.549	0.199	3.8	0.071	0.000	3.8	55.367	OK
FEH: 100 years: +45 %: 960 mins: Winter	26.950	26.350	26.553	0.203	2.4	0.073	0.000	2.4	55.334	OK
FEH: 100 years: +45 %: 1440 mins: Summer	26.950	26.350	26.597	0.247	2.8	0.089	0.000	2.8	61.543	OK
FEH: 100 years: +45 %: 1440 mins: Winter	26.950	26.350	26.605	0.255	1.8	0.092	0.000	1.8	61.578	OK
FEH: 100 years: +45 %: 2160 mins: Summer	26.950	26.350	26.616	0.266	2.1	0.096	0.000	2.1	68.442	OK
FEH: 100 years: +45 %: 2160 mins: Winter	26.950	26.350	26.630	0.280	1.3	0.101	0.000	1.3	68.502	OK
FEH: 100 years: +45 %: 2880 mins: Summer	26.950	26.350	26.610	0.260	1.7	0.094	0.000	1.7	73.954	OK
FEH: 100 years: +45 %: 2880 mins: Winter	26.950	26.350	26.625	0.275	1.1	0.099	0.000	1.1	73.947	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 4320 mins: Summer	26.950	26.350	26.592	0.242	1.3	0.087	0.000	1.3	82.671	OK
FEH: 100 years: +45 %: 4320 mins: Winter	26.950	26.350	26.594	0.244	0.8	0.088	0.000	0.8	82.675	OK
FEH: 100 years: +45 %: 5760 mins: Summer	26.950	26.350	26.575	0.225	1.0	0.081	0.000	1.0	90.078	OK
FEH: 100 years: +45 %: 5760 mins: Winter	26.950	26.350	26.564	0.214	0.7	0.077	0.000	0.7	90.104	OK
FEH: 100 years: +45 %: 7200 mins: Summer	26.950	26.350	26.563	0.213	0.9	0.077	0.000	0.9	96.334	OK
FEH: 100 years: +45 %: 7200 mins: Winter	26.950	26.350	26.535	0.185	0.6	0.067	0.000	0.6	96.771	OK
FEH: 100 years: +45 %: 8640 mins: Summer	26.950	26.350	26.552	0.202	0.8	0.073	0.000	0.8	102.636	OK
FEH: 100 years: +45 %: 8640 mins: Winter	26.950	26.350	26.506	0.156	0.5	0.056	0.000	0.5	102.447	OK
FEH: 100 years: +45 %: 10080 mins: Summer	26.950	26.350	26.543	0.193	0.7	0.069	0.000	0.7	108.269	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	26.950	26.350	26.480	0.130	0.4	0.047	0.000	0.4	108.589	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	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	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.423	OK
FEH: 100 years: +45 %: 15 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.497	OK
FEH: 100 years: +45 %: 30 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.849	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.927	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.664	25.177	25.215	0.038	5.5	0.000	0.000	5.5	30.785	OK
FEH: 100 years: +45 %: 60 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	30.800	OK
FEH: 100 years: +45 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	63.115	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	63.150	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	97.610	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	97.583	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	132.921	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	132.755	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	205.086	OK
FEH: 100 years: +45 %: 360 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	204.554	OK
FEH: 100 years: +45 %: 480 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	278.516	OK
FEH: 100 years: +45 %: 480 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	277.550	OK
FEH: 100 years: +45 %: 600 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	352.596	OK
FEH: 100 years: +45 %: 600 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	351.187	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 720 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	426.993	OK
FEH: 100 years: +45 %: 720 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	425.126	OK
FEH: 100 years: +45 %: 960 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	575.888	OK
FEH: 100 years: +45 %: 960 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	573.118	OK
FEH: 100 years: +45 %: 1440 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	870.306	OK
FEH: 100 years: +45 %: 1440 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	866.080	OK
FEH: 100 years: +45 %: 2160 mins: Summer	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	1294.087	OK
FEH: 100 years: +45 %: 2160 mins: Winter	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	1288.670	OK
FEH: 100 years: +45 %: 2880 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1706.126	OK
FEH: 100 years: +45 %: 2880 mins: Winter	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	1699.574	OK

FEH: 100 years: +45 %: 4320 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2573.585	OK
FEH: 100 years: +45 %: 4320 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2570.280	OK
FEH: 100 years: +45 %: 5760 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3109.727	OK
FEH: 100 years: +45 %: 5760 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3109.760	OK
FEH: 100 years: +45 %: 7200 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3346.042	OK
FEH: 100 years: +45 %: 7200 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3345.480	OK
FEH: 100 years: +45 %: 8640 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3558.096	OK
FEH: 100 years: +45 %: 8640 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3557.431	OK
FEH: 100 years: +45 %: 10080 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3757.288	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3758.461	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Full Retention oil Interceptor: 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	27.943	25.664	26.181	0.517	526.8	2.963	0.000	516.8	314.532	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.943	25.664	26.157	0.493	506.2	2.823	0.000	497.4	314.134	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.943	25.664	26.115	0.451	429.6	2.580	0.000	426.7	413.665	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.943	25.664	26.093	0.429	412.0	2.456	0.000	406.2	413.591	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.943	25.664	26.143	0.479	389.4	2.743	0.000	384.8	516.955	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.943	25.664	26.118	0.454	337.8	2.601	0.000	336.0	516.038	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.943	25.664	26.214	0.550	288.0	3.148	0.000	286.9	593.853	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.943	25.664	26.214	0.550	205.9	3.149	0.000	205.5	592.746	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	27.943	25.664	26.275	0.611	219.1	3.499	0.000	218.1	645.350	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	27.943	25.664	26.275	0.611	152.2	3.501	0.000	151.2	645.204	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	27.943	25.664	26.321	0.657	181.3	3.762	0.000	179.9	687.916	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	27.943	25.664	26.321	0.657	122.1	3.764	0.000	122.4	687.355	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	27.943	25.664	26.388	0.724	135.7	4.147	0.000	133.6	756.159	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.943	25.664	26.389	0.725	89.8	4.153	0.000	88.8	754.563	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.943	25.664	26.437	0.773	110.3	4.426	0.000	110.0	811.034	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.943	25.664	26.439	0.775	72.1	4.436	0.000	71.3	809.104	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.943	25.664	26.474	0.810	93.8	4.641	0.000	92.7	857.122	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.943	25.664	26.477	0.813	60.3	4.655	0.000	59.7	855.695	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	27.943	25.664	26.504	0.840	80.9	4.812	0.000	79.9	897.554	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.943	25.664	26.508	0.844	52.6	4.830	0.000	52.0	896.698	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.943	25.664	26.548	0.884	65.6	5.064	0.000	64.8	967.444	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.943	25.664	26.553	0.889	42.2	5.090	0.000	41.8	967.265	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.943	25.664	26.597	0.933	48.3	5.340	0.000	47.8	1080.607	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.943	25.664	26.605	0.941	31.1	5.386	0.000	30.8	1080.463	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.943	25.664	26.615	0.951	35.8	5.448	0.000	35.4	1210.954	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.943	25.664	26.630	0.966	23.0	5.529	0.000	22.8	1210.866	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.943	25.664	26.610	0.946	29.0	5.415	0.000	28.7	1317.441	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.943	25.664	26.625	0.961	18.6	5.504	0.000	18.5	1317.265	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 4320 mins: Summer	27.943	25.664	26.591	0.927	21.7	5.311	0.000	21.5	1484.065	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.943	25.664	26.594	0.930	13.9	5.324	0.000	13.8	1484.487	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.943	25.664	26.575	0.911	17.7	5.219	0.000	17.6	1614.438	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.943	25.664	26.564	0.900	11.5	5.155	0.000	11.4	1614.244	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.943	25.664	26.563	0.899	15.3	5.145	0.000	15.1	1731.547	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.943	25.664	26.535	0.871	9.9	4.988	0.000	9.8	1731.531	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.943	25.664	26.552	0.888	13.5	5.085	0.000	13.4	1839.310	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.943	25.664	26.506	0.842	8.7	4.822	0.000	8.7	1839.344	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.943	25.664	26.543	0.879	12.3	5.031	0.000	12.1	1941.987	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.943	25.664	26.480	0.816	7.9	4.671	0.000	7.9	1942.778	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S14-4: 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	27.975	26.529	26.790	0.261	170.6	0.296	0.000	165.0	75.540	OK
FEH: 100 years: +45 %: 15 mins: Winter	27.975	26.529	26.780	0.252	160.4	0.285	0.000	156.2	75.636	OK
FEH: 100 years: +45 %: 30 mins: Summer	27.975	26.529	26.733	0.204	115.1	0.231	0.000	115.1	99.814	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.975	26.529	26.725	0.196	108.0	0.222	0.000	108.0	99.820	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.975	26.529	26.716	0.188	100.1	0.212	0.000	100.1	125.327	OK
FEH: 100 years: +45 %: 60 mins: Winter	27.975	26.529	26.694	0.166	80.5	0.187	0.000	80.5	125.333	OK
FEH: 100 years: +45 %: 120 mins: Summer	27.975	26.529	26.680	0.152	68.7	0.171	0.000	68.8	145.106	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.975	26.529	26.655	0.127	49.5	0.143	0.000	49.5	145.115	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.975	26.529	26.660	0.132	53.0	0.149	0.000	53.0	158.529	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.975	26.529	26.637	0.108	36.5	0.122	0.000	36.6	158.505	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.975	26.529	26.647	0.119	43.7	0.134	0.000	43.7	169.041	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.975	26.529	26.625	0.097	29.4	0.109	0.000	29.4	169.037	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.975	26.529	26.631	0.102	32.8	0.116	0.000	32.8	185.628	OK
FEH: 100 years: +45 %: 360 mins: Winter	27.975	26.529	26.611	0.083	21.6	0.094	0.000	21.6	185.625	OK
FEH: 100 years: +45 %: 480 mins: Summer	27.975	26.529	26.621	0.092	26.9	0.105	0.000	27.0	198.854	OK
FEH: 100 years: +45 %: 480 mins: Winter	27.975	26.529	26.603	0.074	17.4	0.084	0.000	17.5	198.775	OK
FEH: 100 years: +45 %: 600 mins: Summer	27.975	26.529	26.613	0.085	22.8	0.096	0.000	22.9	210.023	OK
FEH: 100 years: +45 %: 600 mins: Winter	27.975	26.529	26.597	0.068	14.7	0.077	0.000	14.8	210.013	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 720 mins: Summer	27.975	26.529	26.607	0.079	19.9	0.089	0.000	20.0	219.818	OK
FEH: 100 years: +45 %: 720 mins: Winter	27.975	26.529	26.592	0.063	12.9	0.072	0.000	12.9	219.741	OK
FEH: 100 years: +45 %: 960 mins: Summer	27.975	26.529	26.599	0.070	16.1	0.079	0.000	16.1	236.564	OK
FEH: 100 years: +45 %: 960 mins: Winter	27.975	26.529	26.585	0.056	10.4	0.064	0.000	10.4	236.452	OK
FEH: 100 years: +45 %: 1440 mins: Summer	27.975	26.529	26.596	0.068	11.9	0.077	0.000	11.9	262.947	OK
FEH: 100 years: +45 %: 1440 mins: Winter	27.975	26.529	26.604	0.076	7.7	0.085	0.000	7.7	262.965	OK
FEH: 100 years: +45 %: 2160 mins: Summer	27.975	26.529	26.615	0.086	8.8	0.098	0.000	8.9	292.605	OK
FEH: 100 years: +45 %: 2160 mins: Winter	27.975	26.529	26.629	0.101	5.7	0.114	0.000	5.7	292.625	OK
FEH: 100 years: +45 %: 2880 mins: Summer	27.975	26.529	26.609	0.081	7.2	0.091	0.000	7.2	315.984	OK
FEH: 100 years: +45 %: 2880 mins: Winter	27.975	26.529	26.625	0.096	4.6	0.109	0.000	4.6	316.085	OK

FEH: 100 years: +45 %: 4320 mins: Summer	27.975	26.529	26.591	0.062	5.3	0.071	0.000	5.4	353.458	OK
FEH: 100 years: +45 %: 4320 mins: Winter	27.975	26.529	26.593	0.065	3.4	0.073	0.000	3.5	353.630	OK
FEH: 100 years: +45 %: 5760 mins: Summer	27.975	26.529	26.575	0.046	4.4	0.052	0.000	4.4	384.629	OK
FEH: 100 years: +45 %: 5760 mins: Winter	27.975	26.529	26.564	0.035	2.8	0.040	0.000	2.8	384.626	OK
FEH: 100 years: +45 %: 7200 mins: Summer	27.975	26.529	26.562	0.034	3.7	0.038	0.000	3.7	412.829	OK
FEH: 100 years: +45 %: 7200 mins: Winter	27.975	26.529	26.557	0.028	2.4	0.032	0.000	2.4	412.264	OK
FEH: 100 years: +45 %: 8640 mins: Summer	27.975	26.529	26.561	0.032	3.3	0.036	0.000	3.3	438.538	OK
FEH: 100 years: +45 %: 8640 mins: Winter	27.975	26.529	26.555	0.027	2.1	0.030	0.000	2.1	438.536	OK
FEH: 100 years: +45 %: 10080 mins: Summer	27.975	26.529	26.559	0.031	3.0	0.035	0.000	3.0	462.503	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.975	26.529	26.554	0.025	1.9	0.029	0.000	1.9	462.881	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S03-4: 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	27.908	25.903	27.460	1.557	288.3	1.761	0.000	281.1	207.321	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.908	25.903	27.348	1.445	280.5	1.634	0.000	274.5	206.917	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.908	25.903	26.998	1.095	252.3	1.238	0.000	257.4	272.802	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.908	25.903	26.963	1.060	251.3	1.199	0.000	253.7	272.728	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.908	25.903	26.913	1.010	248.5	1.142	0.000	246.3	342.197	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.908	25.903	26.702	0.799	219.9	0.904	0.000	219.9	341.401	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.908	25.903	26.517	0.614	187.5	0.695	0.000	187.3	391.846	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.908	25.903	26.218	0.315	134.3	0.356	0.000	133.7	390.917	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.908	25.903	26.275	0.372	143.3	0.421	0.000	142.0	424.698	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.908	25.903	26.275	0.372	99.9	0.420	0.000	99.7	424.593	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.908	25.903	26.321	0.418	119.1	0.472	0.000	118.3	452.189	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.908	25.903	26.321	0.418	80.4	0.473	0.000	80.3	451.686	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.908	25.903	26.388	0.485	89.7	0.549	0.000	89.1	496.524	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.908	25.903	26.389	0.486	59.1	0.550	0.000	59.1	495.020	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.908	25.903	26.437	0.534	73.6	0.604	0.000	72.5	532.255	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.908	25.903	26.439	0.536	47.8	0.606	0.000	47.6	530.262	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.908	25.903	26.475	0.572	62.4	0.647	0.000	61.7	562.007	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.908	25.903	26.477	0.574	40.4	0.649	0.000	39.8	560.568	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	27.908	25.903	26.505	0.602	54.4	0.680	0.000	52.9	588.136	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.908	25.903	26.507	0.604	35.2	0.684	0.000	34.6	587.222	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.908	25.903	26.549	0.646	43.9	0.730	0.000	43.1	633.367	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.908	25.903	26.553	0.650	28.4	0.735	0.000	27.8	633.171	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.908	25.903	26.597	0.694	32.4	0.785	0.000	31.6	707.201	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.908	25.903	26.605	0.702	20.9	0.794	0.000	20.3	707.132	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.908	25.903	26.615	0.712	24.0	0.806	0.000	23.4	792.904	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.908	25.903	26.630	0.727	15.4	0.822	0.000	15.0	792.646	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.908	25.903	26.610	0.707	19.5	0.799	0.000	19.0	862.128	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.908	25.903	26.625	0.722	12.5	0.817	0.000	12.2	861.831	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	27.908	25.903	26.592	0.689	14.6	0.779	0.000	14.3	965.994	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.908	25.903	26.594	0.691	9.4	0.781	0.000	9.1	966.284	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.908	25.903	26.575	0.672	11.9	0.761	0.000	11.7	1050.809	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.908	25.903	26.564	0.661	7.7	0.748	0.000	7.5	1050.861	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.908	25.903	26.563	0.660	10.2	0.746	0.000	10.0	1127.016	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.908	25.903	26.535	0.632	6.6	0.715	0.000	6.5	1127.747	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.908	25.903	26.552	0.649	9.1	0.734	0.000	8.9	1197.101	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.908	25.903	26.506	0.603	5.8	0.682	0.000	5.8	1197.644	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.908	25.903	26.543	0.640	8.2	0.723	0.000	8.1	1264.178	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.908	25.903	26.480	0.577	5.3	0.652	0.000	5.2	1264.488	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S13-4 : 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	27.975	25.850	26.275	0.425	165.0	0.480	0.000	136.4	75.625	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.975	25.850	26.238	0.388	156.2	0.439	0.000	127.3	75.647	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.975	25.850	26.184	0.334	115.1	0.377	0.000	114.1	97.524	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.975	25.850	26.163	0.313	108.0	0.354	0.000	107.2	97.501	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.975	25.850	26.144	0.293	100.1	0.332	0.000	99.9	119.706	OK
FEH: 100 years: +45 %: 60 mins: Winter	27.975	25.850	26.118	0.268	80.5	0.303	0.000	80.0	119.692	OK
FEH: 100 years: +45 %: 120 mins: Summer	27.975	25.850	26.214	0.364	68.8	0.411	0.000	69.6	137.972	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.975	25.850	26.214	0.364	49.5	0.411	0.000	49.8	137.929	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.975	25.850	26.275	0.424	53.0	0.480	0.000	53.2	150.754	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	27.975	25.850	26.276	0.425	36.6	0.481	0.000	36.6	150.750	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	27.975	25.850	26.321	0.470	43.7	0.532	0.000	43.8	160.949	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	27.975	25.850	26.322	0.471	29.4	0.533	0.000	29.5	160.968	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	27.975	25.850	26.388	0.538	32.8	0.608	0.000	31.7	177.175	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.975	25.850	26.390	0.539	21.6	0.610	0.000	21.5	177.194	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.975	25.850	26.437	0.587	27.0	0.664	0.000	25.3	190.224	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.975	25.850	26.439	0.589	17.5	0.666	0.000	17.1	190.167	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.975	25.850	26.475	0.625	22.9	0.706	0.000	20.7	201.315	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.975	25.850	26.477	0.627	14.8	0.709	0.000	14.3	201.326	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	27.975	25.850	26.505	0.654	20.0	0.740	0.000	17.6	211.096	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.975	25.850	26.508	0.658	12.9	0.744	0.000	12.2	211.038	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.975	25.850	26.549	0.699	16.1	0.790	0.000	14.1	227.980	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.975	25.850	26.553	0.703	10.4	0.795	0.000	9.6	227.837	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.975	25.850	26.597	0.747	11.9	0.844	0.000	10.5	254.787	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.975	25.850	26.605	0.755	7.7	0.853	0.000	7.0	254.801	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.975	25.850	26.616	0.765	8.9	0.866	0.000	7.9	285.863	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.975	25.850	26.630	0.780	5.7	0.882	0.000	5.1	285.833	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.975	25.850	26.610	0.760	7.2	0.859	0.000	6.4	312.324	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.975	25.850	26.625	0.775	4.6	0.877	0.000	4.2	312.330	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	27.975	25.850	26.592	0.741	5.4	0.839	0.000	4.8	353.551	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.975	25.850	26.594	0.744	3.5	0.841	0.000	3.2	353.728	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.975	25.850	26.576	0.725	4.4	0.820	0.000	3.9	384.700	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.975	25.850	26.565	0.714	2.8	0.808	0.000	2.6	384.699	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.975	25.850	26.563	0.713	3.7	0.806	0.000	3.4	412.885	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.975	25.850	26.536	0.685	2.4	0.775	0.000	2.3	412.318	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.975	25.850	26.552	0.702	3.3	0.794	0.000	3.0	438.586	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.975	25.850	26.506	0.656	2.1	0.742	0.000	2.0	438.576	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.975	25.850	26.543	0.693	3.0	0.783	0.000	2.7	462.546	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.975	25.850	26.480	0.630	1.9	0.712	0.000	1.9	462.914	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S15-4: 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	27.970	26.937	27.204	0.267	165.5	0.301	0.000	161.9	71.920	OK
FEH: 100 years: +45 %: 15 mins: Winter	27.970	26.937	27.191	0.254	155.4	0.287	0.000	152.2	71.930	OK
FEH: 100 years: +45 %: 30 mins: Summer	27.970	26.937	27.136	0.199	109.3	0.225	0.000	109.3	94.725	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.970	26.937	27.128	0.191	102.6	0.216	0.000	102.6	94.724	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.970	26.937	27.119	0.182	95.1	0.206	0.000	95.1	118.886	OK
FEH: 100 years: +45 %: 60 mins: Winter	27.970	26.937	27.096	0.159	76.5	0.180	0.000	76.5	118.883	OK
FEH: 100 years: +45 %: 120 mins: Summer	27.970	26.937	27.082	0.145	65.3	0.164	0.000	65.3	137.665	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.970	26.937	27.058	0.121	47.0	0.136	0.000	47.0	137.667	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	27.970	26.937	27.062	0.125	50.4	0.142	0.000	50.4	150.410	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.970	26.937	27.039	0.102	34.7	0.116	0.000	34.7	150.406	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.970	26.937	27.050	0.113	41.6	0.127	0.000	41.6	160.419	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.970	26.937	27.028	0.091	28.0	0.103	0.000	27.9	160.409	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.970	26.937	27.034	0.097	31.2	0.109	0.000	31.2	176.192	OK
FEH: 100 years: +45 %: 360 mins: Winter	27.970	26.937	27.015	0.078	20.5	0.088	0.000	20.6	176.194	OK
FEH: 100 years: +45 %: 480 mins: Summer	27.970	26.937	27.024	0.087	25.6	0.098	0.000	25.6	188.767	OK
FEH: 100 years: +45 %: 480 mins: Winter	27.970	26.937	27.006	0.069	16.6	0.079	0.000	16.6	188.745	OK
FEH: 100 years: +45 %: 600 mins: Summer	27.970	26.937	27.017	0.080	21.7	0.090	0.000	21.7	199.405	OK
FEH: 100 years: +45 %: 600 mins: Winter	27.970	26.937	27.001	0.064	14.0	0.072	0.000	14.0	199.407	OK

FEH: 100 years: +45 %: 720 mins: Summer	27.970	26.937	27.011	0.074	18.9	0.084	0.000	18.9	208.734	OK
FEH: 100 years: +45 %: 720 mins: Winter	27.970	26.937	26.997	0.060	12.2	0.068	0.000	12.2	208.713	OK
FEH: 100 years: +45 %: 960 mins: Summer	27.970	26.937	27.004	0.067	15.3	0.076	0.000	15.3	224.636	OK
FEH: 100 years: +45 %: 960 mins: Winter	27.970	26.937	26.991	0.054	9.9	0.061	0.000	9.9	224.623	OK
FEH: 100 years: +45 %: 1440 mins: Summer	27.970	26.937	26.995	0.058	11.3	0.065	0.000	11.3	249.729	OK
FEH: 100 years: +45 %: 1440 mins: Winter	27.970	26.937	26.983	0.046	7.3	0.052	0.000	7.3	249.771	OK
FEH: 100 years: +45 %: 2160 mins: Summer	27.970	26.937	26.987	0.050	8.4	0.056	0.000	8.4	277.950	OK
FEH: 100 years: +45 %: 2160 mins: Winter	27.970	26.937	26.977	0.040	5.4	0.045	0.000	5.4	277.993	OK
FEH: 100 years: +45 %: 2880 mins: Summer	27.970	26.937	26.982	0.045	6.8	0.051	0.000	6.8	300.226	OK
FEH: 100 years: +45 %: 2880 mins: Winter	27.970	26.937	26.973	0.036	4.4	0.041	0.000	4.4	300.371	OK

FEH: 100 years: +45 %: 4320 mins: Summer	27.970	26.937	26.976	0.039	5.1	0.044	0.000	5.1	335.822	OK
FEH: 100 years: +45 %: 4320 mins: Winter	27.970	26.937	26.969	0.032	3.3	0.036	0.000	3.3	336.077	OK
FEH: 100 years: +45 %: 5760 mins: Summer	27.970	26.937	26.972	0.035	4.1	0.040	0.000	4.1	365.276	OK
FEH: 100 years: +45 %: 5760 mins: Winter	27.970	26.937	26.966	0.029	2.7	0.032	0.000	2.7	365.565	OK
FEH: 100 years: +45 %: 7200 mins: Summer	27.970	26.937	26.970	0.033	3.5	0.037	0.000	3.5	391.924	OK
FEH: 100 years: +45 %: 7200 mins: Winter	27.970	26.937	26.964	0.027	2.3	0.030	0.000	2.3	391.639	OK
FEH: 100 years: +45 %: 8640 mins: Summer	27.970	26.937	26.968	0.031	3.2	0.035	0.000	3.1	416.277	OK
FEH: 100 years: +45 %: 8640 mins: Winter	27.970	26.937	26.962	0.025	2.0	0.028	0.000	2.0	416.377	OK
FEH: 100 years: +45 %: 10080 mins: Summer	27.970	26.937	26.967	0.030	2.9	0.033	0.000	2.8	439.677	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	27.970	26.937	26.961	0.024	1.8	0.027	0.000	1.8	439.339	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S16-4: 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	28.087	26.287	27.433	1.146	488.6	1.296	0.000	483.6	212.168	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.087	26.287	27.337	1.050	458.6	1.187	0.000	454.5	212.168	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.087	26.287	26.952	0.665	322.6	0.752	0.000	322.6	279.479	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.087	26.287	26.906	0.619	302.8	0.701	0.000	302.8	279.478	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.087	26.287	26.866	0.579	280.7	0.655	0.000	280.7	350.805	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.087	26.287	26.761	0.474	225.7	0.536	0.000	225.7	350.803	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.087	26.287	26.624	0.337	192.8	0.381	0.000	192.8	406.239	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.087	26.287	26.547	0.260	138.7	0.294	0.000	138.7	406.250	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 180 mins: Summer	28.087	26.287	26.560	0.273	148.7	0.309	0.000	148.7	443.808	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.087	26.287	26.500	0.213	102.5	0.241	0.000	102.5	443.811	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.087	26.287	26.527	0.240	122.7	0.271	0.000	122.7	473.420	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.087	26.287	26.474	0.187	82.5	0.211	0.000	82.5	473.368	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.087	26.287	26.487	0.200	92.1	0.226	0.000	92.1	519.905	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.087	26.287	26.442	0.155	60.6	0.176	0.000	60.6	519.857	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.087	26.287	26.464	0.177	75.6	0.200	0.000	75.6	556.950	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.087	26.287	26.439	0.152	48.9	0.172	0.000	48.9	556.958	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.087	26.287	26.475	0.188	64.1	0.212	0.000	64.1	588.315	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.087	26.287	26.477	0.190	41.3	0.215	0.000	41.3	588.298	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 720 mins: Summer	28.087	26.287	26.504	0.217	55.9	0.246	0.000	55.9	615.779	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.087	26.287	26.508	0.221	36.1	0.249	0.000	36.1	615.765	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.087	26.287	26.548	0.261	45.1	0.296	0.000	45.1	662.714	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.087	26.287	26.553	0.266	29.1	0.301	0.000	29.1	662.739	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.087	26.287	26.597	0.310	33.4	0.350	0.000	33.4	736.944	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.087	26.287	26.605	0.318	21.6	0.359	0.000	21.6	736.918	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.087	26.287	26.615	0.328	24.8	0.371	0.000	24.8	820.228	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.087	26.287	26.630	0.343	16.0	0.388	0.000	16.0	820.198	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.087	26.287	26.610	0.323	20.1	0.365	0.000	20.1	886.307	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.087	26.287	26.625	0.338	13.0	0.382	0.000	13.0	886.308	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.087	26.287	26.591	0.304	15.0	0.344	0.000	15.0	990.992	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.087	26.287	26.594	0.307	9.7	0.347	0.000	9.7	991.054	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.087	26.287	26.575	0.288	12.2	0.326	0.000	12.2	1078.098	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.087	26.287	26.564	0.277	7.9	0.314	0.000	7.9	1078.139	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.087	26.287	26.563	0.276	10.5	0.312	0.000	10.5	1156.016	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.087	26.287	26.535	0.248	6.8	0.281	0.000	6.8	1156.177	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.087	26.287	26.552	0.265	9.3	0.300	0.000	9.3	1228.566	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.087	26.287	26.506	0.219	6.0	0.248	0.000	6.0	1228.204	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.087	26.287	26.543	0.256	8.4	0.289	0.000	8.4	1297.420	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 10080 mins: Winter	28.087	26.287	26.480	0.193	5.4	0.218	0.000	5.4	1297.635	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S12-4: 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	27.975	25.640	25.912	0.272	177.7	0.308	0.000	173.3	92.312	OK
FEH: 200 years: +45 %: 15 mins: Winter	27.975	25.640	25.912	0.272	173.2	0.308	0.000	164.4	92.262	OK
FEH: 200 years: +45 %: 30 mins: Summer	27.975	25.640	26.057	0.417	146.2	0.471	0.000	144.8	118.005	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.975	25.640	26.056	0.416	136.8	0.471	0.000	135.4	118.208	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.975	25.640	26.207	0.567	127.8	0.641	0.000	117.7	147.599	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.975	25.640	26.207	0.567	103.1	0.641	0.000	93.5	147.264	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.975	25.640	26.314	0.674	87.9	0.762	0.000	82.8	170.649	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.975	25.640	26.314	0.674	63.2	0.762	0.000	58.4	170.635	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.975	25.640	26.385	0.745	67.6	0.843	0.000	63.7	187.260	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.975	25.640	26.386	0.746	45.9	0.843	0.000	42.7	187.280	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.975	25.640	26.440	0.800	53.4	0.905	0.000	49.6	200.673	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.975	25.640	26.441	0.801	37.0	0.905	0.000	34.7	200.686	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.975	25.640	26.523	0.883	38.2	0.999	0.000	36.7	222.280	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.975	25.640	26.525	0.885	26.0	1.000	0.000	24.1	222.287	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.975	25.640	26.585	0.945	31.1	1.068	0.000	29.9	239.850	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.975	25.640	26.587	0.947	20.9	1.071	0.000	19.5	239.708	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.975	25.640	26.632	0.992	26.3	1.122	0.000	25.5	254.547	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.975	25.640	26.635	0.995	17.2	1.126	0.000	16.5	254.560	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.975	25.640	26.671	1.031	23.0	1.166	0.000	22.4	267.542	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.975	25.640	26.674	1.034	14.9	1.170	0.000	14.7	267.511	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.975	25.640	26.728	1.088	18.9	1.230	0.000	18.6	289.760	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.975	25.640	26.733	1.093	12.2	1.236	0.000	12.0	289.635	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.975	25.640	26.794	1.154	14.3	1.305	0.000	14.1	324.719	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.975	25.640	26.803	1.163	9.3	1.315	0.000	9.2	324.669	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.975	25.640	26.825	1.185	10.9	1.340	0.000	10.8	363.504	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.975	25.640	26.841	1.201	7.0	1.358	0.000	6.9	363.458	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.975	25.640	26.820	1.180	8.8	1.334	0.000	8.7	394.071	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.975	25.640	26.842	1.202	5.7	1.359	0.000	5.6	394.375	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 4320 mins: Summer	27.975	25.640	26.794	1.154	6.5	1.306	0.000	6.5	449.705	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.975	25.640	26.803	1.163	4.2	1.315	0.000	4.2	449.209	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.975	25.640	26.770	1.130	5.3	1.278	0.000	5.3	489.275	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.975	25.640	26.768	1.128	3.4	1.275	0.000	3.4	488.998	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.975	25.640	26.749	1.109	4.5	1.254	0.000	4.5	522.095	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.975	25.640	26.731	1.091	2.9	1.234	0.000	2.9	521.248	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.975	25.640	26.732	1.092	4.0	1.235	0.000	3.9	551.068	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.975	25.640	26.697	1.057	2.5	1.195	0.000	2.5	550.930	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.975	25.640	26.718	1.078	3.6	1.220	0.000	3.5	580.198	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.975	25.640	26.664	1.024	2.3	1.159	0.000	2.2	579.753	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S04- 4 : 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	27.886	25.701	27.306	1.605	554.7	1.815	0.000	547.5	342.470	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.886	25.701	27.187	1.486	530.0	1.681	0.000	524.0	342.455	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.886	25.701	26.808	1.107	424.2	1.252	0.000	421.7	451.950	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.886	25.701	26.741	1.040	410.6	1.177	0.000	408.9	451.996	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.886	25.701	26.737	1.036	398.3	1.172	0.000	397.0	568.960	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.886	25.701	26.619	0.918	360.4	1.039	0.000	360.2	567.625	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.886	25.701	26.467	0.766	313.4	0.866	0.000	312.9	650.450	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.886	25.701	26.313	0.612	222.2	0.693	0.000	221.7	650.003	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	27.886	25.701	26.385	0.684	238.6	0.773	0.000	238.1	710.288	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.886	25.701	26.385	0.684	165.6	0.774	0.000	164.6	709.125	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.886	25.701	26.440	0.739	193.7	0.835	0.000	192.4	759.098	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.886	25.701	26.440	0.739	133.9	0.836	0.000	132.7	755.742	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.886	25.701	26.523	0.822	147.1	0.929	0.000	145.8	835.127	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.886	25.701	26.524	0.823	98.1	0.931	0.000	97.2	833.847	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.886	25.701	26.584	0.883	120.3	0.999	0.000	119.0	896.983	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.886	25.701	26.587	0.886	78.9	1.002	0.000	78.1	896.761	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.886	25.701	26.632	0.931	102.8	1.053	0.000	101.8	950.880	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.886	25.701	26.635	0.934	66.7	1.057	0.000	65.9	950.068	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 720 mins: Summer	27.886	25.701	26.670	0.969	89.4	1.096	0.000	88.6	997.495	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.886	25.701	26.674	0.973	57.9	1.101	0.000	57.2	996.913	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.886	25.701	26.728	1.027	72.3	1.161	0.000	71.5	1077.020	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.886	25.701	26.733	1.032	46.5	1.167	0.000	46.0	1076.565	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.886	25.701	26.794	1.093	53.3	1.236	0.000	52.8	1201.789	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.886	25.701	26.803	1.102	34.3	1.246	0.000	34.0	1201.494	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.886	25.701	26.825	1.124	39.4	1.271	0.000	39.0	1340.261	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.886	25.701	26.841	1.140	25.4	1.290	0.000	25.2	1340.035	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.886	25.701	26.820	1.119	31.8	1.265	0.000	31.5	1450.807	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.886	25.701	26.842	1.141	20.5	1.290	0.000	20.4	1450.272	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.886	25.701	26.795	1.094	23.6	1.237	0.000	23.4	1624.314	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.886	25.701	26.803	1.102	15.2	1.246	0.000	15.1	1623.746	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.886	25.701	26.770	1.069	19.2	1.209	0.000	19.0	1757.314	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.886	25.701	26.768	1.067	12.4	1.206	0.000	12.3	1757.844	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.886	25.701	26.749	1.048	16.4	1.186	0.000	16.2	1873.916	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.886	25.701	26.731	1.030	10.6	1.165	0.000	10.5	1872.359	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.886	25.701	26.732	1.031	14.5	1.166	0.000	14.4	1980.155	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.886	25.701	26.697	0.996	9.4	1.127	0.000	9.3	1979.579	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.886	25.701	26.718	1.017	13.1	1.151	0.000	13.0	2081.876	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.886	25.701	26.664	0.963	8.5	1.090	0.000	8.4	2081.627	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S05- 4: 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	27.792	25.689	26.882	1.193	575.9	1.349	0.000	570.8	354.064	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.792	25.689	26.797	1.108	550.7	1.253	0.000	546.4	354.072	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.792	25.689	26.554	0.865	440.5	0.978	0.000	439.1	466.880	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.792	25.689	26.500	0.811	426.7	0.917	0.000	426.2	466.909	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.792	25.689	26.522	0.833	413.4	0.942	0.000	412.6	587.774	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.792	25.689	26.431	0.742	373.4	0.839	0.000	373.4	586.419	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.792	25.689	26.326	0.637	324.2	0.721	0.000	323.6	672.235	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.792	25.689	26.314	0.625	229.9	0.706	0.000	229.5	671.824	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.792	25.689	26.385	0.696	246.8	0.787	0.000	246.3	734.230	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.792	25.689	26.385	0.696	170.6	0.787	0.000	170.0	733.097	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.792	25.689	26.440	0.751	199.6	0.849	0.000	198.9	784.791	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.792	25.689	26.441	0.752	137.5	0.850	0.000	136.9	781.451	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.792	25.689	26.523	0.834	151.2	0.943	0.000	150.4	863.610	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.792	25.689	26.524	0.835	100.7	0.945	0.000	100.3	862.314	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.792	25.689	26.584	0.895	123.5	1.013	0.000	123.0	927.502	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.792	25.689	26.587	0.898	80.9	1.015	0.000	80.6	927.330	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.792	25.689	26.632	0.943	105.6	1.066	0.000	105.2	983.464	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.792	25.689	26.635	0.946	68.3	1.070	0.000	68.0	982.657	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.792	25.689	26.670	0.981	91.9	1.110	0.000	91.6	1031.773	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.792	25.689	26.674	0.985	59.4	1.114	0.000	59.1	1031.234	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.792	25.689	26.728	1.039	74.2	1.175	0.000	74.0	1114.204	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.792	25.689	26.733	1.044	47.7	1.181	0.000	47.6	1113.701	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.792	25.689	26.794	1.105	54.8	1.249	0.000	54.7	1243.462	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.792	25.689	26.803	1.114	35.3	1.260	0.000	35.2	1243.211	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.792	25.689	26.825	1.136	40.5	1.284	0.000	40.4	1386.945	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.792	25.689	26.841	1.152	26.1	1.303	0.000	26.1	1386.784	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.792	25.689	26.820	1.131	32.7	1.279	0.000	32.7	1501.529	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.792	25.689	26.842	1.153	21.1	1.304	0.000	21.1	1500.975	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.792	25.689	26.795	1.106	24.2	1.250	0.000	24.2	1681.976	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.792	25.689	26.803	1.114	15.7	1.260	0.000	15.6	1681.441	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.792	25.689	26.770	1.081	19.7	1.222	0.000	19.6	1820.363	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.792	25.689	26.768	1.079	12.7	1.220	0.000	12.7	1820.956	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.792	25.689	26.749	1.060	16.9	1.199	0.000	16.8	1940.988	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.792	25.689	26.731	1.042	10.9	1.178	0.000	10.8	1939.743	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.792	25.689	26.732	1.043	14.9	1.180	0.000	14.9	2051.374	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.792	25.689	26.697	1.008	9.7	1.140	0.000	9.6	2050.478	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.792	25.689	26.718	1.029	13.5	1.164	0.000	13.4	2156.409	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.792	25.689	26.664	0.975	8.7	1.103	0.000	8.7	2156.384	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S07- 4: 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	27.633	25.344	25.909	0.565	6.2	0.639	0.000	5.5	7.508	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.633	25.344	25.909	0.565	6.6	0.639	0.000	5.6	7.586	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.633	25.344	26.054	0.711	6.4	0.804	0.000	5.6	15.560	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.633	25.344	26.054	0.710	6.3	0.803	0.000	5.6	15.626	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.633	25.344	26.205	0.861	6.3	0.974	0.000	5.6	30.931	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.633	25.344	26.205	0.861	6.2	0.974	0.000	5.6	30.927	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.633	25.344	26.312	0.968	6.0	1.095	0.000	5.6	65.730	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.633	25.344	26.312	0.968	5.9	1.095	0.000	5.6	65.656	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.633	25.344	26.383	1.039	5.9	1.175	0.000	5.6	102.055	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.633	25.344	26.383	1.039	5.8	1.175	0.000	5.6	101.787	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.633	25.344	26.437	1.094	5.8	1.237	0.000	5.6	139.326	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.633	25.344	26.438	1.094	5.8	1.237	0.000	5.6	138.820	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.633	25.344	26.520	1.176	5.7	1.331	0.000	5.6	215.675	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.633	25.344	26.522	1.178	5.7	1.332	0.000	5.6	214.605	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.633	25.344	26.581	1.238	5.7	1.400	0.000	5.6	293.561	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.633	25.344	26.584	1.240	5.7	1.402	0.000	5.6	291.896	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.633	25.344	26.629	1.285	5.7	1.454	0.000	5.7	372.385	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.633	25.344	26.632	1.288	5.7	1.457	0.000	5.7	370.094	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.633	25.344	26.667	1.323	5.8	1.497	0.000	5.8	451.669	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.633	25.344	26.671	1.327	5.8	1.501	0.000	5.8	448.766	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.633	25.344	26.724	1.380	5.9	1.561	0.000	5.9	610.748	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.633	25.344	26.730	1.386	5.9	1.567	0.000	5.9	606.633	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.633	25.344	26.790	1.446	6.0	1.636	0.000	6.0	926.641	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.633	25.344	26.800	1.456	6.0	1.646	0.000	6.0	920.437	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.633	25.344	26.821	1.477	6.1	1.671	0.000	6.1	1383.204	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.633	25.344	26.838	1.494	6.1	1.689	0.000	6.1	1374.841	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.633	25.344	26.816	1.472	6.1	1.665	0.000	6.1	1812.889	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.633	25.344	26.838	1.494	6.1	1.690	0.000	6.1	1803.611	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.633	25.344	26.791	1.447	6.0	1.637	0.000	6.0	2657.091	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.633	25.344	26.799	1.456	6.0	1.646	0.000	6.0	2646.663	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.633	25.344	26.766	1.423	6.0	1.609	0.000	6.0	3478.601	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.633	25.344	26.764	1.420	6.0	1.606	0.000	6.0	3477.516	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.633	25.344	26.746	1.402	5.9	1.586	0.000	5.9	3748.877	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.633	25.344	26.727	1.384	5.9	1.565	0.000	5.9	3746.424	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.633	25.344	26.729	1.385	5.9	1.566	0.000	5.9	3966.716	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.633	25.344	26.694	1.350	5.8	1.527	0.000	5.8	3965.702	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.633	25.344	26.715	1.371	5.9	1.551	0.000	5.9	4172.524	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.633	25.344	26.661	1.317	5.8	1.490	0.000	5.8	4171.604	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S01- 4: 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	27.945	26.045	27.831	1.786	191.2	2.020	0.000	182.7	83.104	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	27.945	26.045	27.681	1.636	179.5	1.850	0.000	172.3	83.102	Flood Risk
FEH: 200 years: +45 %: 30 mins: Summer	27.945	26.045	27.178	1.133	127.0	1.281	0.000	126.8	110.234	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.945	26.045	27.109	1.064	119.2	1.204	0.000	119.0	110.242	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.945	26.045	27.073	1.028	111.0	1.162	0.000	110.9	138.695	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.945	26.045	26.975	0.930	89.3	1.052	0.000	89.6	138.552	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.945	26.045	26.745	0.700	76.0	0.792	0.000	75.3	159.205	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.945	26.045	26.354	0.309	54.7	0.349	0.000	54.0	159.153	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.945	26.045	26.425	0.380	58.7	0.430	0.000	57.9	173.757	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.945	26.045	26.385	0.340	40.4	0.384	0.000	40.4	173.632	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.945	26.045	26.442	0.397	48.5	0.449	0.000	47.5	185.564	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.945	26.045	26.440	0.395	32.6	0.447	0.000	32.6	185.144	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.945	26.045	26.523	0.478	36.5	0.541	0.000	36.2	204.142	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.945	26.045	26.524	0.479	24.1	0.542	0.000	24.0	204.041	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.945	26.045	26.585	0.540	30.1	0.610	0.000	29.8	219.281	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.945	26.045	26.587	0.542	19.4	0.612	0.000	19.4	219.268	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.945	26.045	26.632	0.587	25.5	0.664	0.000	25.3	232.288	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.945	26.045	26.635	0.590	16.5	0.667	0.000	16.4	232.177	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.945	26.045	26.671	0.626	22.3	0.708	0.000	22.0	243.579	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.945	26.045	26.674	0.629	14.4	0.712	0.000	14.3	243.525	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.945	26.045	26.728	0.683	18.0	0.772	0.000	17.8	262.820	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.945	26.045	26.733	0.688	11.6	0.778	0.000	11.5	262.755	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.945	26.045	26.794	0.749	13.4	0.847	0.000	13.2	292.908	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.945	26.045	26.803	0.758	8.6	0.857	0.000	8.5	292.860	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.945	26.045	26.825	0.780	9.9	0.882	0.000	9.7	326.252	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.945	26.045	26.841	0.796	6.4	0.900	0.000	6.2	326.208	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.945	26.045	26.820	0.775	8.0	0.876	0.000	7.8	352.566	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.945	26.045	26.842	0.797	5.2	0.901	0.000	5.0	352.417	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 4320 mins: Summer	27.945	26.045	26.795	0.750	5.9	0.848	0.000	5.8	392.649	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.945	26.045	26.803	0.758	3.8	0.857	0.000	3.7	392.381	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.945	26.045	26.770	0.725	4.8	0.820	0.000	4.7	424.508	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.945	26.045	26.768	0.723	3.1	0.817	0.000	3.1	424.569	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.945	26.045	26.749	0.704	4.1	0.797	0.000	4.1	452.677	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.945	26.045	26.731	0.686	2.6	0.776	0.000	2.6	452.359	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.945	26.045	26.732	0.687	3.6	0.777	0.000	3.6	477.912	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.945	26.045	26.697	0.652	2.3	0.738	0.000	2.3	477.990	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.945	26.045	26.718	0.673	3.3	0.762	0.000	3.3	502.723	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.945	26.045	26.664	0.619	2.1	0.701	0.000	2.1	502.602	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S02- 4: 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	27.946	25.986	27.720	1.734	217.3	1.961	0.000	160.1	155.669	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	27.946	25.986	27.581	1.595	204.7	1.804	0.000	157.3	151.458	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.946	25.986	27.126	1.140	155.1	1.289	0.000	159.7	185.710	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.946	25.986	27.063	1.077	153.0	1.218	0.000	156.1	178.485	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.946	25.986	27.032	1.046	144.1	1.183	0.000	146.1	212.356	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.946	25.986	26.949	0.963	122.4	1.089	0.000	120.0	196.249	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.946	25.986	26.727	0.741	107.0	0.839	0.000	106.7	223.538	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.946	25.986	26.340	0.354	77.0	0.400	0.000	74.9	223.333	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.946	25.986	26.414	0.428	81.7	0.484	0.000	79.9	243.824	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.946	25.986	26.385	0.399	57.3	0.451	0.000	56.9	243.094	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.946	25.986	26.441	0.455	67.9	0.515	0.000	64.9	260.436	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.946	25.986	26.440	0.454	46.3	0.514	0.000	46.0	258.000	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.946	25.986	26.523	0.537	51.5	0.607	0.000	50.5	285.163	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.946	25.986	26.524	0.538	34.1	0.608	0.000	34.0	284.246	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.946	25.986	26.585	0.599	42.4	0.677	0.000	41.5	305.669	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.946	25.986	26.587	0.601	27.6	0.679	0.000	27.1	305.531	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.946	25.986	26.632	0.646	36.0	0.731	0.000	35.0	324.208	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.946	25.986	26.635	0.649	23.4	0.734	0.000	22.9	323.624	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.946	25.986	26.671	0.685	31.4	0.774	0.000	30.4	340.077	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.946	25.986	26.674	0.688	20.3	0.778	0.000	19.9	339.685	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.946	25.986	26.728	0.742	25.4	0.839	0.000	24.6	367.242	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.946	25.986	26.733	0.747	16.4	0.845	0.000	15.9	366.974	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.946	25.986	26.794	0.808	18.8	0.914	0.000	18.0	410.222	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.946	25.986	26.803	0.817	12.1	0.924	0.000	11.6	410.054	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.946	25.986	26.825	0.839	13.9	0.949	0.000	13.2	459.029	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.946	25.986	26.841	0.855	8.9	0.967	0.000	8.5	458.873	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.946	25.986	26.820	0.834	11.2	0.943	0.000	10.7	498.427	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.946	25.986	26.842	0.856	7.2	0.968	0.000	6.9	498.078	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.946	25.986	26.795	0.809	8.3	0.915	0.000	8.0	557.582	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.946	25.986	26.803	0.817	5.3	0.924	0.000	5.1	557.042	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.946	25.986	26.770	0.784	6.8	0.887	0.000	6.5	602.752	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.946	25.986	26.768	0.782	4.3	0.884	0.000	4.2	602.908	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.946	25.986	26.749	0.763	5.8	0.863	0.000	5.6	643.167	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.946	25.986	26.731	0.745	3.7	0.842	0.000	3.6	641.714	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.946	25.986	26.732	0.746	5.1	0.844	0.000	5.0	678.902	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.946	25.986	26.697	0.711	3.3	0.804	0.000	3.3	678.966	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.946	25.986	26.718	0.732	4.6	0.828	0.000	4.5	714.146	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.946	25.986	26.664	0.678	3.0	0.767	0.000	2.9	713.854	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S -19- 4: 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	26.950	26.350	26.995	0.645	210.9	45.472	45.256	141.0	58.085	Flood
FEH: 200 years: +45 %: 15 mins: Winter	26.950	26.350	26.991	0.641	191.3	41.320	41.104	140.7	53.818	Flood
FEH: 200 years: +45 %: 30 mins: Summer	26.950	26.350	26.984	0.634	102.2	34.358	34.142	115.0	55.446	Flood
FEH: 200 years: +45 %: 30 mins: Winter	26.950	26.350	26.978	0.628	83.7	28.163	27.947	99.9	48.179	Flood
FEH: 200 years: +45 %: 60 mins: Summer	26.950	26.350	26.972	0.622	73.4	22.357	22.141	83.8	48.523	Flood
FEH: 200 years: +45 %: 60 mins: Winter	26.950	26.350	26.951	0.601	21.4	1.020	0.804	19.4	33.078	Flood
FEH: 200 years: +45 %: 120 mins: Summer	26.950	26.350	26.736	0.386	18.2	0.139	0.000	18.0	38.192	Flood Risk
FEH: 200 years: +45 %: 120 mins: Winter	26.950	26.350	26.423	0.073	13.1	0.026	0.000	13.1	38.202	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	26.950	26.350	26.430	0.080	14.0	0.029	0.000	13.9	42.050	OK
FEH: 200 years: +45 %: 180 mins: Winter	26.950	26.350	26.415	0.065	9.7	0.023	0.000	9.7	41.954	OK
FEH: 200 years: +45 %: 240 mins: Summer	26.950	26.350	26.441	0.091	11.6	0.033	0.000	11.6	45.014	OK
FEH: 200 years: +45 %: 240 mins: Winter	26.950	26.350	26.440	0.090	7.8	0.033	0.000	7.8	44.529	OK
FEH: 200 years: +45 %: 360 mins: Summer	26.950	26.350	26.523	0.173	8.7	0.062	0.000	8.8	49.145	OK
FEH: 200 years: +45 %: 360 mins: Winter	26.950	26.350	26.524	0.174	5.8	0.063	0.000	5.8	48.945	OK
FEH: 200 years: +45 %: 480 mins: Summer	26.950	26.350	26.585	0.235	7.2	0.084	0.000	7.2	52.459	OK
FEH: 200 years: +45 %: 480 mins: Winter	26.950	26.350	26.587	0.237	4.7	0.085	0.000	4.7	52.445	OK
FEH: 200 years: +45 %: 600 mins: Summer	26.950	26.350	26.632	0.282	6.1	0.102	0.000	6.1	55.569	OK
FEH: 200 years: +45 %: 600 mins: Winter	26.950	26.350	26.635	0.285	3.9	0.103	0.000	3.9	55.431	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 720 mins: Summer	26.950	26.350	26.671	0.321	5.3	0.115	0.000	5.3	58.211	Flood Risk
FEH: 200 years: +45 %: 720 mins: Winter	26.950	26.350	26.674	0.324	3.4	0.117	0.000	3.4	58.163	Flood Risk
FEH: 200 years: +45 %: 960 mins: Summer	26.950	26.350	26.728	0.378	4.3	0.136	0.000	4.3	62.786	Flood Risk
FEH: 200 years: +45 %: 960 mins: Winter	26.950	26.350	26.733	0.383	2.8	0.138	0.000	2.8	62.755	Flood Risk
FEH: 200 years: +45 %: 1440 mins: Summer	26.950	26.350	26.794	0.444	3.2	0.160	0.000	3.2	70.127	Flood Risk
FEH: 200 years: +45 %: 1440 mins: Winter	26.950	26.350	26.803	0.453	2.1	0.163	0.000	2.1	70.099	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Summer	26.950	26.350	26.825	0.475	2.4	0.171	0.000	2.4	78.446	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Winter	26.950	26.350	26.841	0.491	1.5	0.177	0.000	1.5	78.499	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Summer	26.950	26.350	26.820	0.470	1.9	0.169	0.000	1.9	84.445	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Winter	26.950	26.350	26.842	0.492	1.2	0.177	0.000	1.2	84.565	Flood Risk

FEH: 200 years: +45 %: 4320 mins: Summer	26.950	26.350	26.795	0.445	1.4	0.160	0.000	1.4	93.946	Flood Risk
FEH: 200 years: +45 %: 4320 mins: Winter	26.950	26.350	26.803	0.453	0.9	0.163	0.000	0.9	93.779	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Summer	26.950	26.350	26.770	0.420	1.1	0.151	0.000	1.2	101.413	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Winter	26.950	26.350	26.768	0.418	0.7	0.150	0.000	0.7	101.461	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Summer	26.950	26.350	26.749	0.399	1.0	0.144	0.000	1.0	108.587	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Winter	26.950	26.350	26.731	0.381	0.6	0.137	0.000	0.6	107.937	Flood Risk
FEH: 200 years: +45 %: 8640 mins: Summer	26.950	26.350	26.732	0.382	0.9	0.138	0.000	0.9	114.171	Flood Risk
FEH: 200 years: +45 %: 8640 mins: Winter	26.950	26.350	26.697	0.347	0.6	0.125	0.000	0.6	114.585	Flood Risk
FEH: 200 years: +45 %: 10080 mins: Summer	26.950	26.350	26.718	0.368	0.8	0.133	0.000	0.8	120.454	Flood Risk

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	26.950	26.350	26.664	0.314	0.5	0.113	0.000	0.5	120.370	Flood Risk

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	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	27.664	25.177	25.215	0.038	5.5	0.000	0.000	5.5	7.462	OK
FEH: 200 years: +45 %: 15 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.539	OK
FEH: 200 years: +45 %: 30 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.515	OK
FEH: 200 years: +45 %: 30 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.581	OK
FEH: 200 years: +45 %: 60 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	30.887	OK
FEH: 200 years: +45 %: 60 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	30.884	OK
FEH: 200 years: +45 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	65.686	OK
FEH: 200 years: +45 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	65.612	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	102.010	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	101.742	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	139.281	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	138.774	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	215.629	OK
FEH: 200 years: +45 %: 360 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	214.559	OK
FEH: 200 years: +45 %: 480 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	293.515	OK
FEH: 200 years: +45 %: 480 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	291.850	OK
FEH: 200 years: +45 %: 600 mins: Summer	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	372.339	OK
FEH: 200 years: +45 %: 600 mins: Winter	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	370.048	OK

FEH: 200 years: +45 %: 720 mins: Summer	27.664	25.177	25.215	0.038	5.8	0.000	0.000	5.8	451.622	OK
FEH: 200 years: +45 %: 720 mins: Winter	27.664	25.177	25.215	0.038	5.8	0.000	0.000	5.8	448.720	OK
FEH: 200 years: +45 %: 960 mins: Summer	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	610.702	OK
FEH: 200 years: +45 %: 960 mins: Winter	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	606.586	OK
FEH: 200 years: +45 %: 1440 mins: Summer	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	926.595	OK
FEH: 200 years: +45 %: 1440 mins: Winter	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	920.391	OK
FEH: 200 years: +45 %: 2160 mins: Summer	27.664	25.177	25.216	0.039	6.1	0.000	0.000	6.1	1383.159	OK
FEH: 200 years: +45 %: 2160 mins: Winter	27.664	25.177	25.216	0.039	6.1	0.000	0.000	6.1	1374.796	OK
FEH: 200 years: +45 %: 2880 mins: Summer	27.664	25.177	25.216	0.039	6.1	0.000	0.000	6.1	1812.846	OK
FEH: 200 years: +45 %: 2880 mins: Winter	27.664	25.177	25.216	0.039	6.1	0.000	0.000	6.1	1803.568	OK

FEH: 200 years: +45 %: 4320 mins: Summer	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	2657.043	OK
FEH: 200 years: +45 %: 4320 mins: Winter	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	2646.615	OK
FEH: 200 years: +45 %: 5760 mins: Summer	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	3478.575	OK
FEH: 200 years: +45 %: 5760 mins: Winter	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	3477.490	OK
FEH: 200 years: +45 %: 7200 mins: Summer	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	3748.871	OK
FEH: 200 years: +45 %: 7200 mins: Winter	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	3746.418	OK
FEH: 200 years: +45 %: 8640 mins: Summer	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	3966.714	OK
FEH: 200 years: +45 %: 8640 mins: Winter	27.664	25.177	25.215	0.038	5.8	0.000	0.000	5.8	3965.699	OK
FEH: 200 years: +45 %: 10080 mins: Summer	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	4172.522	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.664	25.177	25.215	0.038	5.8	0.000	0.000	5.8	4171.602	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Full Retention oil Interceptor: 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	27.943	25.664	26.249	0.585	570.8	3.347	0.000	556.8	351.863	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.943	25.664	26.215	0.551	546.4	3.154	0.000	534.7	351.898	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.943	25.664	26.194	0.530	439.1	3.033	0.000	433.2	463.266	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.943	25.664	26.156	0.492	426.2	2.819	0.000	423.5	463.280	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.943	25.664	26.214	0.550	412.6	3.149	0.000	408.7	583.149	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.943	25.664	26.206	0.542	373.4	3.105	0.000	373.0	581.798	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.943	25.664	26.314	0.650	323.6	3.720	0.000	321.5	667.000	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.943	25.664	26.314	0.650	229.5	3.722	0.000	228.1	666.609	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.943	25.664	26.385	0.721	246.3	4.129	0.000	240.8	728.648	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.943	25.664	26.385	0.721	170.0	4.131	0.000	168.9	727.508	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.943	25.664	26.440	0.776	198.9	4.442	0.000	195.6	778.980	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.943	25.664	26.441	0.777	136.9	4.447	0.000	135.4	775.651	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.943	25.664	26.523	0.859	150.4	4.918	0.000	148.0	857.479	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.943	25.664	26.524	0.860	100.3	4.927	0.000	99.1	856.128	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.943	25.664	26.584	0.920	123.0	5.270	0.000	121.7	921.323	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.943	25.664	26.587	0.923	80.6	5.283	0.000	79.7	921.126	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.943	25.664	26.632	0.968	105.2	5.543	0.000	104.1	977.067	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.943	25.664	26.635	0.971	68.0	5.561	0.000	67.3	976.305	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.943	25.664	26.670	1.006	91.6	5.762	0.000	90.7	1025.323	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.943	25.664	26.674	1.010	59.1	5.785	0.000	58.5	1024.775	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.943	25.664	26.728	1.064	74.0	6.090	0.000	73.3	1107.717	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.943	25.664	26.733	1.069	47.6	6.121	0.000	47.1	1107.218	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.943	25.664	26.794	1.130	54.7	6.468	0.000	54.2	1237.224	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.943	25.664	26.803	1.139	35.2	6.522	0.000	34.9	1236.961	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.943	25.664	26.825	1.161	40.4	6.646	0.000	40.1	1381.412	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.943	25.664	26.841	1.177	26.1	6.740	0.000	25.9	1381.231	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.943	25.664	26.820	1.156	32.7	6.617	0.000	32.4	1496.861	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.943	25.664	26.842	1.178	21.1	6.743	0.000	20.9	1496.283	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.943	25.664	26.795	1.131	24.2	6.473	0.000	24.0	1680.150	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.943	25.664	26.803	1.139	15.6	6.521	0.000	15.5	1679.562	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.943	25.664	26.770	1.106	19.6	6.332	0.000	19.5	1820.355	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.943	25.664	26.768	1.104	12.7	6.319	0.000	12.6	1820.963	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.943	25.664	26.749	1.085	16.8	6.214	0.000	16.6	1940.994	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.943	25.664	26.731	1.067	10.8	6.108	0.000	10.8	1939.749	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.943	25.664	26.732	1.068	14.9	6.116	0.000	14.7	2051.366	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.943	25.664	26.697	1.033	9.6	5.915	0.000	9.5	2050.485	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.943	25.664	26.718	1.054	13.4	6.037	0.000	13.3	2156.413	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.943	25.664	26.664	1.000	8.7	5.728	0.000	8.6	2156.390	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S14-4: 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	27.975	26.529	26.828	0.300	190.3	0.339	0.000	164.8	84.658	OK
FEH: 200 years: +45 %: 15 mins: Winter	27.975	26.529	26.801	0.272	179.6	0.308	0.000	168.1	84.700	OK
FEH: 200 years: +45 %: 30 mins: Summer	27.975	26.529	26.749	0.220	129.8	0.249	0.000	129.8	112.593	OK
FEH: 200 years: +45 %: 30 mins: Winter	27.975	26.529	26.740	0.211	121.8	0.239	0.000	121.8	112.617	OK
FEH: 200 years: +45 %: 60 mins: Summer	27.975	26.529	26.731	0.202	113.4	0.229	0.000	113.4	141.919	OK
FEH: 200 years: +45 %: 60 mins: Winter	27.975	26.529	26.706	0.178	91.2	0.201	0.000	91.2	141.930	OK
FEH: 200 years: +45 %: 120 mins: Summer	27.975	26.529	26.691	0.162	77.7	0.184	0.000	77.7	163.849	OK
FEH: 200 years: +45 %: 120 mins: Winter	27.975	26.529	26.664	0.135	55.9	0.153	0.000	55.9	163.851	OK

FEH: 200 years: +45 %: 180 mins: Summer	27.975	26.529	26.669	0.141	59.9	0.159	0.000	59.9	179.104	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.975	26.529	26.644	0.115	41.3	0.130	0.000	41.3	179.088	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.975	26.529	26.655	0.127	49.5	0.143	0.000	49.6	191.285	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.975	26.529	26.632	0.103	33.3	0.117	0.000	33.3	191.277	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.975	26.529	26.637	0.109	37.3	0.123	0.000	37.4	210.803	OK
FEH: 200 years: +45 %: 360 mins: Winter	27.975	26.529	26.617	0.088	24.6	0.100	0.000	24.6	210.771	OK
FEH: 200 years: +45 %: 480 mins: Summer	27.975	26.529	26.626	0.098	30.7	0.111	0.000	30.8	226.506	OK
FEH: 200 years: +45 %: 480 mins: Winter	27.975	26.529	26.607	0.078	19.9	0.088	0.000	19.9	226.393	OK
FEH: 200 years: +45 %: 600 mins: Summer	27.975	26.529	26.632	0.103	26.1	0.117	0.000	26.1	239.667	OK
FEH: 200 years: +45 %: 600 mins: Winter	27.975	26.529	26.635	0.106	16.8	0.120	0.000	16.8	239.678	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 720 mins: Summer	27.975	26.529	26.670	0.141	22.8	0.160	0.000	22.8	251.235	OK
FEH: 200 years: +45 %: 720 mins: Winter	27.975	26.529	26.674	0.145	14.7	0.164	0.000	14.7	251.210	OK
FEH: 200 years: +45 %: 960 mins: Summer	27.975	26.529	26.727	0.199	18.4	0.225	0.000	18.4	270.884	OK
FEH: 200 years: +45 %: 960 mins: Winter	27.975	26.529	26.733	0.204	11.9	0.231	0.000	11.9	270.814	OK
FEH: 200 years: +45 %: 1440 mins: Summer	27.975	26.529	26.793	0.265	13.7	0.299	0.000	13.7	301.605	OK
FEH: 200 years: +45 %: 1440 mins: Winter	27.975	26.529	26.803	0.274	8.8	0.310	0.000	8.8	301.584	OK
FEH: 200 years: +45 %: 2160 mins: Summer	27.975	26.529	26.824	0.296	10.1	0.334	0.000	10.1	335.007	OK
FEH: 200 years: +45 %: 2160 mins: Winter	27.975	26.529	26.841	0.312	6.5	0.353	0.000	6.5	335.015	OK
FEH: 200 years: +45 %: 2880 mins: Summer	27.975	26.529	26.819	0.291	8.2	0.329	0.000	8.2	360.635	OK
FEH: 200 years: +45 %: 2880 mins: Winter	27.975	26.529	26.841	0.313	5.3	0.354	0.000	5.3	360.931	OK

FEH: 200 years: +45 %: 4320 mins: Summer	27.975	26.529	26.794	0.266	6.1	0.300	0.000	6.1	400.944	OK
FEH: 200 years: +45 %: 4320 mins: Winter	27.975	26.529	26.802	0.274	3.9	0.310	0.000	3.9	400.825	OK
FEH: 200 years: +45 %: 5760 mins: Summer	27.975	26.529	26.769	0.241	4.9	0.272	0.000	4.9	433.713	OK
FEH: 200 years: +45 %: 5760 mins: Winter	27.975	26.529	26.767	0.239	3.2	0.270	0.000	3.2	433.646	OK
FEH: 200 years: +45 %: 7200 mins: Summer	27.975	26.529	26.749	0.220	4.2	0.249	0.000	4.2	462.682	OK
FEH: 200 years: +45 %: 7200 mins: Winter	27.975	26.529	26.730	0.202	2.7	0.228	0.000	2.7	462.162	OK
FEH: 200 years: +45 %: 8640 mins: Summer	27.975	26.529	26.732	0.203	3.7	0.230	0.000	3.7	488.699	OK
FEH: 200 years: +45 %: 8640 mins: Winter	27.975	26.529	26.697	0.168	2.4	0.190	0.000	2.4	488.455	OK
FEH: 200 years: +45 %: 10080 mins: Summer	27.975	26.529	26.718	0.189	3.3	0.214	0.000	3.3	514.085	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.975	26.529	26.664	0.135	2.2	0.153	0.000	2.2	513.873	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S03-4: 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	27.908	25.903	27.718	1.815	305.6	2.052	0.000	296.7	232.373	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	27.908	25.903	27.576	1.673	295.2	1.893	0.000	287.8	232.353	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.908	25.903	27.102	1.199	257.1	1.356	0.000	253.3	306.510	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.908	25.903	27.033	1.130	253.0	1.278	0.000	250.1	306.519	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.908	25.903	27.002	1.099	250.5	1.243	0.000	248.8	385.272	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.908	25.903	26.892	0.989	242.4	1.119	0.000	240.1	384.125	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.908	25.903	26.680	0.777	211.0	0.879	0.000	210.8	438.755	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.908	25.903	26.314	0.411	149.9	0.465	0.000	148.4	438.365	OK

FEH: 200 years: +45 %: 180 mins: Summer	27.908	25.903	26.386	0.483	160.4	0.546	0.000	159.5	478.738	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.908	25.903	26.385	0.482	112.4	0.545	0.000	111.1	477.710	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.908	25.903	26.441	0.538	131.4	0.608	0.000	128.3	511.489	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.908	25.903	26.440	0.537	90.7	0.608	0.000	89.9	508.338	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.908	25.903	26.523	0.620	100.6	0.701	0.000	97.9	561.882	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.908	25.903	26.524	0.621	67.0	0.702	0.000	65.6	560.708	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.908	25.903	26.584	0.681	82.7	0.771	0.000	79.8	603.127	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.908	25.903	26.587	0.684	53.7	0.773	0.000	52.7	602.967	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.908	25.903	26.632	0.729	70.1	0.825	0.000	68.3	639.550	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.908	25.903	26.635	0.732	45.5	0.828	0.000	44.4	638.789	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.908	25.903	26.671	0.768	61.0	0.868	0.000	59.3	670.900	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.908	25.903	26.674	0.771	39.5	0.872	0.000	38.6	670.381	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.908	25.903	26.728	0.825	49.4	0.933	0.000	48.0	724.472	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.908	25.903	26.733	0.830	31.8	0.939	0.000	30.8	724.076	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.908	25.903	26.794	0.891	36.4	1.007	0.000	35.3	808.685	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.908	25.903	26.803	0.900	23.4	1.018	0.000	22.7	808.441	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.908	25.903	26.825	0.922	26.8	1.042	0.000	26.0	902.846	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.908	25.903	26.841	0.938	17.3	1.061	0.000	16.7	902.609	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.908	25.903	26.820	0.917	21.7	1.037	0.000	21.0	978.787	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.908	25.903	26.842	0.939	14.0	1.062	0.000	13.5	978.314	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.908	25.903	26.795	0.892	16.1	1.008	0.000	15.6	1096.134	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.908	25.903	26.803	0.900	10.4	1.018	0.000	10.0	1095.510	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.908	25.903	26.770	0.867	13.1	0.980	0.000	12.7	1184.891	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.908	25.903	26.768	0.865	8.4	0.978	0.000	8.2	1185.412	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.908	25.903	26.749	0.846	11.2	0.957	0.000	10.9	1263.777	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.908	25.903	26.731	0.828	7.2	0.936	0.000	7.0	1262.208	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.908	25.903	26.732	0.829	9.9	0.938	0.000	9.7	1335.042	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.908	25.903	26.697	0.794	6.4	0.898	0.000	6.3	1334.685	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.908	25.903	26.718	0.815	9.0	0.922	0.000	8.7	1404.348	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.908	25.903	26.664	0.761	5.8	0.861	0.000	5.7	1403.623	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S13-4 : 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	27.975	25.850	26.400	0.549	164.8	0.621	0.000	152.7	84.486	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.975	25.850	26.338	0.488	168.1	0.552	0.000	149.7	84.475	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.975	25.850	26.246	0.396	129.8	0.448	0.000	129.6	108.418	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.975	25.850	26.211	0.360	121.8	0.408	0.000	121.2	108.555	OK
FEH: 200 years: +45 %: 60 mins: Summer	27.975	25.850	26.207	0.357	113.4	0.404	0.000	113.3	134.664	OK
FEH: 200 years: +45 %: 60 mins: Winter	27.975	25.850	26.207	0.357	91.2	0.404	0.000	91.4	134.591	OK
FEH: 200 years: +45 %: 120 mins: Summer	27.975	25.850	26.313	0.463	77.7	0.524	0.000	78.0	155.477	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.975	25.850	26.314	0.464	55.9	0.524	0.000	56.1	155.542	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.975	25.850	26.385	0.535	59.9	0.605	0.000	59.9	170.300	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.975	25.850	26.386	0.535	41.3	0.606	0.000	40.6	170.345	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.975	25.850	26.440	0.590	49.6	0.667	0.000	47.0	182.212	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.975	25.850	26.441	0.590	33.3	0.668	0.000	32.7	182.256	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.975	25.850	26.523	0.673	37.4	0.761	0.000	33.4	201.420	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.975	25.850	26.525	0.674	24.6	0.763	0.000	23.0	201.435	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.975	25.850	26.585	0.734	30.8	0.831	0.000	27.1	217.028	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.975	25.850	26.587	0.737	19.9	0.833	0.000	18.5	216.882	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.975	25.850	26.633	0.782	26.1	0.885	0.000	23.0	230.026	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.975	25.850	26.635	0.785	16.8	0.888	0.000	15.2	230.062	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.975	25.850	26.671	0.820	22.8	0.928	0.000	20.1	241.557	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.975	25.850	26.675	0.824	14.7	0.932	0.000	13.1	241.546	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.975	25.850	26.728	0.878	18.4	0.992	0.000	16.5	261.227	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.975	25.850	26.733	0.883	11.9	0.999	0.000	10.7	261.141	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.975	25.850	26.794	0.944	13.7	1.067	0.000	12.5	292.225	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.975	25.850	26.803	0.953	8.8	1.078	0.000	8.2	292.147	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.975	25.850	26.825	0.975	10.1	1.102	0.000	9.6	326.500	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.975	25.850	26.841	0.991	6.5	1.121	0.000	6.1	326.438	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.975	25.850	26.820	0.970	8.2	1.097	0.000	7.8	353.548	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.975	25.850	26.842	0.992	5.3	1.121	0.000	5.0	353.749	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.975	25.850	26.795	0.945	6.1	1.068	0.000	5.8	400.990	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.975	25.850	26.803	0.953	3.9	1.078	0.000	3.7	400.778	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.975	25.850	26.770	0.920	4.9	1.040	0.000	4.7	433.830	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.975	25.850	26.768	0.918	3.2	1.038	0.000	3.0	433.756	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.975	25.850	26.750	0.899	4.2	1.017	0.000	4.0	462.789	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.975	25.850	26.731	0.881	2.7	0.996	0.000	2.6	462.263	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.975	25.850	26.732	0.882	3.7	0.998	0.000	3.5	488.787	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.975	25.850	26.697	0.847	2.4	0.958	0.000	2.2	488.539	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.975	25.850	26.719	0.868	3.3	0.982	0.000	3.1	514.158	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.975	25.850	26.665	0.814	2.2	0.921	0.000	2.0	513.940	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S15-4: 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	27.970	26.937	27.231	0.294	185.6	0.333	0.000	180.6	80.531	OK
FEH: 200 years: +45 %: 15 mins: Winter	27.970	26.937	27.215	0.278	174.2	0.314	0.000	170.4	80.616	OK
FEH: 200 years: +45 %: 30 mins: Summer	27.970	26.937	27.152	0.215	123.3	0.244	0.000	123.3	106.845	OK
FEH: 200 years: +45 %: 30 mins: Winter	27.970	26.937	27.143	0.206	115.7	0.234	0.000	115.7	106.845	OK
FEH: 200 years: +45 %: 60 mins: Summer	27.970	26.937	27.134	0.197	107.7	0.223	0.000	107.7	134.643	OK
FEH: 200 years: +45 %: 60 mins: Winter	27.970	26.937	27.109	0.172	86.6	0.194	0.000	86.6	134.640	OK
FEH: 200 years: +45 %: 120 mins: Summer	27.970	26.937	27.093	0.156	73.8	0.176	0.000	73.8	155.475	OK
FEH: 200 years: +45 %: 120 mins: Winter	27.970	26.937	27.066	0.129	53.1	0.146	0.000	53.1	155.476	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.970	26.937	27.071	0.134	57.0	0.152	0.000	56.9	169.992	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.970	26.937	27.046	0.109	39.3	0.124	0.000	39.3	169.993	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.970	26.937	27.058	0.121	47.0	0.136	0.000	47.0	181.588	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.970	26.937	27.034	0.097	31.6	0.110	0.000	31.6	181.595	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.970	26.937	27.040	0.103	35.5	0.117	0.000	35.4	200.186	OK
FEH: 200 years: +45 %: 360 mins: Winter	27.970	26.937	27.020	0.083	23.4	0.094	0.000	23.3	200.188	OK
FEH: 200 years: +45 %: 480 mins: Summer	27.970	26.937	27.030	0.093	29.2	0.105	0.000	29.2	215.102	OK
FEH: 200 years: +45 %: 480 mins: Winter	27.970	26.937	27.011	0.074	18.9	0.084	0.000	18.9	215.109	OK
FEH: 200 years: +45 %: 600 mins: Summer	27.970	26.937	27.023	0.086	24.8	0.097	0.000	24.8	227.698	OK
FEH: 200 years: +45 %: 600 mins: Winter	27.970	26.937	27.005	0.068	16.0	0.077	0.000	16.0	227.722	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 720 mins: Summer	27.970	26.937	27.017	0.080	21.7	0.090	0.000	21.7	238.715	OK
FEH: 200 years: +45 %: 720 mins: Winter	27.970	26.937	27.001	0.064	14.0	0.072	0.000	14.0	238.709	OK
FEH: 200 years: +45 %: 960 mins: Summer	27.970	26.937	27.009	0.072	17.5	0.081	0.000	17.5	257.395	OK
FEH: 200 years: +45 %: 960 mins: Winter	27.970	26.937	26.995	0.058	11.3	0.065	0.000	11.3	257.402	OK
FEH: 200 years: +45 %: 1440 mins: Summer	27.970	26.937	26.999	0.062	13.0	0.070	0.000	13.0	286.569	OK
FEH: 200 years: +45 %: 1440 mins: Winter	27.970	26.937	26.987	0.050	8.4	0.056	0.000	8.4	286.563	OK
FEH: 200 years: +45 %: 2160 mins: Summer	27.970	26.937	26.990	0.053	9.6	0.060	0.000	9.6	318.317	OK
FEH: 200 years: +45 %: 2160 mins: Winter	27.970	26.937	26.980	0.043	6.2	0.049	0.000	6.2	318.298	OK
FEH: 200 years: +45 %: 2880 mins: Summer	27.970	26.937	26.985	0.048	7.8	0.054	0.000	7.8	342.651	OK
FEH: 200 years: +45 %: 2880 mins: Winter	27.970	26.937	26.976	0.039	5.0	0.044	0.000	5.0	342.883	OK

FEH: 200 years: +45 %: 4320 mins: Summer	27.970	26.937	26.978	0.041	5.8	0.047	0.000	5.8	380.877	OK
FEH: 200 years: +45 %: 4320 mins: Winter	27.970	26.937	26.970	0.033	3.7	0.038	0.000	3.7	381.060	OK
FEH: 200 years: +45 %: 5760 mins: Summer	27.970	26.937	26.974	0.037	4.7	0.042	0.000	4.7	411.984	OK
FEH: 200 years: +45 %: 5760 mins: Winter	27.970	26.937	26.967	0.030	3.0	0.034	0.000	3.0	411.771	OK
FEH: 200 years: +45 %: 7200 mins: Summer	27.970	26.937	26.972	0.035	4.0	0.039	0.000	4.0	439.601	OK
FEH: 200 years: +45 %: 7200 mins: Winter	27.970	26.937	26.965	0.028	2.6	0.032	0.000	2.6	439.365	OK
FEH: 200 years: +45 %: 8640 mins: Summer	27.970	26.937	26.970	0.033	3.5	0.037	0.000	3.5	463.910	OK
FEH: 200 years: +45 %: 8640 mins: Winter	27.970	26.937	26.963	0.026	2.3	0.030	0.000	2.3	463.982	OK
FEH: 200 years: +45 %: 10080 mins: Summer	27.970	26.937	26.968	0.031	3.2	0.035	0.000	3.2	488.178	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.970	26.937	26.962	0.025	2.0	0.028	0.000	2.0	487.961	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S16-4: 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	28.087	26.287	27.639	1.352	547.7	1.529	0.000	541.7	237.859	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.087	26.287	27.520	1.233	514.1	1.395	0.000	509.1	237.863	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.087	26.287	27.056	0.769	363.9	0.870	0.000	363.9	315.241	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.087	26.287	26.998	0.711	341.5	0.804	0.000	341.5	315.244	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.087	26.287	26.941	0.654	317.9	0.740	0.000	317.9	397.301	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.087	26.287	26.817	0.530	255.7	0.599	0.000	255.7	397.299	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.087	26.287	26.748	0.461	217.7	0.521	0.000	217.7	458.809	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.087	26.287	26.571	0.284	156.7	0.321	0.000	156.7	458.772	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	28.087	26.287	26.586	0.299	168.1	0.339	0.000	168.1	501.491	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.087	26.287	26.518	0.231	115.8	0.261	0.000	115.8	501.456	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.087	26.287	26.547	0.260	138.9	0.295	0.000	138.9	535.614	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.087	26.287	26.488	0.201	93.4	0.228	0.000	93.4	535.610	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.087	26.287	26.523	0.236	104.6	0.267	0.000	104.6	590.374	OK
FEH: 200 years: +45 %: 360 mins: Winter	28.087	26.287	26.524	0.237	68.9	0.269	0.000	68.9	590.357	OK
FEH: 200 years: +45 %: 480 mins: Summer	28.087	26.287	26.584	0.297	86.1	0.336	0.000	86.1	634.255	OK
FEH: 200 years: +45 %: 480 mins: Winter	28.087	26.287	26.587	0.300	55.7	0.339	0.000	55.7	634.272	OK
FEH: 200 years: +45 %: 600 mins: Summer	28.087	26.287	26.632	0.345	73.2	0.390	0.000	73.2	671.394	OK
FEH: 200 years: +45 %: 600 mins: Winter	28.087	26.287	26.635	0.348	47.2	0.394	0.000	47.2	671.376	OK

FEH: 200 years: +45 %: 720 mins: Summer	28.087	26.287	26.670	0.383	63.9	0.434	0.000	63.9	703.852	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.087	26.287	26.674	0.387	41.2	0.438	0.000	41.2	703.845	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.087	26.287	26.728	0.441	51.7	0.498	0.000	51.7	758.947	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.087	26.287	26.733	0.446	33.3	0.504	0.000	33.3	758.960	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.087	26.287	26.794	0.507	38.4	0.573	0.000	38.4	845.135	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.087	26.287	26.803	0.516	24.8	0.584	0.000	24.8	845.091	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.087	26.287	26.825	0.538	28.4	0.608	0.000	28.4	939.105	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.087	26.287	26.841	0.554	18.3	0.627	0.000	18.3	939.125	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.087	26.287	26.820	0.533	22.9	0.602	0.000	22.9	1011.821	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.087	26.287	26.842	0.555	14.8	0.627	0.000	14.8	1011.857	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.087	26.287	26.795	0.508	17.0	0.574	0.000	17.0	1124.069	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.087	26.287	26.803	0.516	11.0	0.583	0.000	11.0	1124.186	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.087	26.287	26.770	0.483	13.8	0.546	0.000	13.8	1215.658	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.087	26.287	26.768	0.481	8.9	0.544	0.000	8.9	1215.732	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.087	26.287	26.749	0.462	11.8	0.523	0.000	11.8	1295.976	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.087	26.287	26.731	0.444	7.6	0.502	0.000	7.6	1295.556	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.087	26.287	26.732	0.445	10.4	0.503	0.000	10.4	1369.792	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.087	26.287	26.697	0.410	6.7	0.464	0.000	6.7	1369.719	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.087	26.287	26.718	0.431	9.3	0.488	0.000	9.3	1439.901	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Junctions Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.087	26.287	26.664	0.377	6.0	0.427	0.000	6.0	1439.416	Surcharged

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S12-4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot	28/07/2026		
Network Space	Designed	Checked by:	Approved
Developments	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary	ADS Consult		
Storm Phase: UNIT 4	107 Mere Grange Business Park		
	Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S04- 4 : Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S05- 4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S07- 4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S01- 4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S02- 4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S-19- 4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	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 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Full Retention oil Interceptor: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S14-4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S03-4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S13-4 : Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S15-4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S16-4: Rank By: Max. Depth

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 4	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	25.563	25.563	25.563	0.113	0.113	0.113	341.5	164.359	0.000	0.000	5.3	6.551	91.943
FEH: 2 years: +0 %: 15 mins: Winter	25.563	25.563	25.563	0.113	0.113	0.113	323.2	164.343	0.000	0.000	5.3	6.568	91.944
FEH: 2 years: +0 %: 30 mins: Summer	25.594	25.594	25.594	0.144	0.144	0.144	251.8	209.326	0.000	0.000	5.6	14.594	89.738
FEH: 2 years: +0 %: 30 mins: Winter	25.594	25.594	25.594	0.144	0.144	0.144	236.4	209.295	0.000	0.000	5.6	14.650	89.740
FEH: 2 years: +0 %: 60 mins: Summer	25.626	25.626	25.626	0.176	0.176	0.176	216.5	255.983	0.000	0.000	5.6	30.827	87.451

Status
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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 60 mins: Winter	25.626	25.626	25.626	0.176	0.176	0.176	174.2	255.887	0.000	0.000	5.5	31.095	87.456
FEH: 2 years: +0 %: 120 mins: Summer	25.671	25.671	25.671	0.221	0.221	0.221	165.7	321.283	0.000	0.000	5.6	64.789	84.250
FEH: 2 years: +0 %: 120 mins: Winter	25.670	25.670	25.670	0.220	0.220	0.220	119.5	321.103	0.000	0.000	5.6	65.351	84.259
FEH: 2 years: +0 %: 180 mins: Summer	25.696	25.696	25.696	0.246	0.246	0.246	134.7	358.484	0.000	0.000	5.6	99.307	82.426
FEH: 2 years: +0 %: 180 mins: Winter	25.696	25.696	25.696	0.246	0.246	0.246	92.6	358.400	0.000	0.000	5.6	100.071	82.430
FEH: 2 years: +0 %: 240 mins: Summer	25.713	25.713	25.713	0.263	0.263	0.263	114.1	383.036	0.000	0.000	5.6	134.040	81.223
FEH: 2 years: +0 %: 240 mins: Winter	25.713	25.713	25.713	0.263	0.263	0.263	76.7	383.259	0.000	0.000	5.6	134.974	81.212
FEH: 2 years: +0 %: 360 mins: Summer	25.734	25.734	25.734	0.284	0.284	0.284	88.6	412.950	0.000	0.000	5.6	203.761	79.756

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FEH: 2 years: +0 %: 360 mins: Winter	25.734	25.734	25.734	0.284	0.284	0.284	58.5	413.729	0.000	0.000	5.6	205.005	79.718
FEH: 2 years: +0 %: 480 mins: Summer	25.745	25.745	25.745	0.295	0.295	0.295	74.1	429.616	0.000	0.000	5.6	273.549	78.939
FEH: 2 years: +0 %: 480 mins: Winter	25.746	25.746	25.746	0.296	0.296	0.296	48.0	430.971	0.000	0.000	5.6	275.093	78.873
FEH: 2 years: +0 %: 600 mins: Summer	25.751	25.751	25.751	0.301	0.301	0.301	64.0	438.391	0.000	0.000	5.6	343.070	78.509
FEH: 2 years: +0 %: 600 mins: Winter	25.752	25.752	25.752	0.302	0.302	0.302	41.1	440.482	0.000	0.000	5.6	344.915	78.407
FEH: 2 years: +0 %: 720 mins: Summer	25.755	25.755	25.755	0.305	0.305	0.305	56.2	444.123	0.000	0.000	5.6	411.967	78.228
FEH: 2 years: +0 %: 720 mins: Winter	25.756	25.756	25.756	0.306	0.306	0.306	36.2	445.046	0.000	0.000	5.6	414.143	78.183
FEH: 2 years: +0 %: 960 mins: Summer	25.759	25.759	25.759	0.309	0.309	0.309	45.9	450.303	0.000	0.000	5.6	545.954	77.925

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 960 mins: Winter	25.757	25.757	25.757	0.307	0.307	0.307	29.6	447.251	0.000	0.000	5.6	548.742	78.075
FEH: 2 years: +0 %: 1440 mins: Summer	25.761	25.761	25.761	0.311	0.311	0.311	34.7	452.406	0.000	0.000	5.6	731.229	77.822
FEH: 2 years: +0 %: 1440 mins: Winter	25.755	25.755	25.755	0.305	0.305	0.305	22.4	443.563	0.000	0.000	5.6	731.852	78.256
FEH: 2 years: +0 %: 2160 mins: Summer	25.754	25.754	25.754	0.304	0.304	0.304	26.2	442.707	0.000	0.000	5.6	851.196	78.297
FEH: 2 years: +0 %: 2160 mins: Winter	25.739	25.739	25.739	0.289	0.289	0.289	16.9	421.095	0.000	0.000	5.6	851.644	79.357
FEH: 2 years: +0 %: 2880 mins: Summer	25.744	25.744	25.744	0.294	0.294	0.294	21.5	428.483	0.000	0.000	5.6	940.193	78.995
FEH: 2 years: +0 %: 2880 mins: Winter	25.719	25.719	25.719	0.269	0.269	0.269	13.9	392.436	0.000	0.000	5.6	940.242	80.762
FEH: 2 years: +0 %: 4320 mins: Summer	25.723	25.723	25.723	0.273	0.273	0.273	16.5	397.865	0.000	0.000	5.6	1085.700	80.496

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 4320 mins: Winter	25.680	25.680	25.680	0.230	0.230	0.230	10.6	334.593	0.000	0.000	5.6	1085.278	83.598
FEH: 2 years: +0 %: 5760 mins: Summer	25.703	25.703	25.703	0.253	0.253	0.253	13.8	368.672	0.000	0.000	5.6	1210.504	81.927
FEH: 2 years: +0 %: 5760 mins: Winter	25.645	25.645	25.645	0.195	0.195	0.195	8.9	283.694	0.000	0.000	5.5	1210.666	86.093
FEH: 2 years: +0 %: 7200 mins: Summer	25.686	25.686	25.686	0.236	0.236	0.236	12.1	343.293	0.000	0.000	5.6	1325.516	83.171
FEH: 2 years: +0 %: 7200 mins: Winter	25.616	25.616	25.616	0.166	0.166	0.166	7.8	241.411	0.000	0.000	5.4	1324.940	88.165
FEH: 2 years: +0 %: 8640 mins: Summer	25.670	25.670	25.670	0.220	0.220	0.220	10.9	320.527	0.000	0.000	5.5	1435.930	84.287
FEH: 2 years: +0 %: 8640 mins: Winter	25.592	25.592	25.592	0.142	0.142	0.142	7.0	206.252	0.000	0.000	5.3	1434.433	89.889
FEH: 2 years: +0 %: 10080 mins: Summer	25.656	25.656	25.656	0.206	0.206	0.206	10.0	299.712	0.000	0.000	5.5	1540.409	85.307

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 10080 mins: Winter	25.572	25.572	25.572	0.122	0.122	0.122	6.5	177.858	0.000	0.000	5.2	1538.395	91.281

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

OK

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 4	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	25.679	25.679	25.679	0.229	0.229	0.229	662.0	333.032	0.000	0.000	8.1	7.840	83.674
FEH: 30 years: +0 %: 15 mins: Winter	25.679	25.679	25.679	0.229	0.229	0.229	627.6	332.937	0.000	0.000	6.9	7.890	83.679
FEH: 30 years: +0 %: 30 mins: Summer	25.746	25.746	25.746	0.296	0.296	0.296	506.5	431.453	0.000	0.000	6.0	16.571	78.849
FEH: 30 years: +0 %: 30 mins: Winter	25.746	25.746	25.746	0.296	0.296	0.296	476.2	431.367	0.000	0.000	5.9	16.670	78.853
FEH: 30 years: +0 %: 60 mins: Summer	25.816	25.816	25.816	0.366	0.366	0.366	441.0	533.594	0.000	0.000	5.9	34.134	73.842

Status
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FEH: 30 years: +0 %: 60 mins: Winter	25.816	25.816	25.816	0.366	0.366	0.366	357.2	533.576	0.000	0.000	5.9	34.270	73.843
FEH: 30 years: +0 %: 120 mins: Summer	25.871	25.871	25.871	0.421	0.421	0.421	309.6	613.124	0.000	0.000	5.8	69.267	69.943
FEH: 30 years: +0 %: 120 mins: Winter	25.871	25.871	25.871	0.421	0.421	0.421	222.3	613.256	0.000	0.000	5.7	69.479	69.937
FEH: 30 years: +0 %: 180 mins: Summer	25.904	25.904	25.904	0.454	0.454	0.454	239.8	661.025	0.000	0.000	5.8	104.335	67.595
FEH: 30 years: +0 %: 180 mins: Winter	25.904	25.904	25.904	0.454	0.454	0.454	165.5	660.997	0.000	0.000	5.7	104.588	67.596
FEH: 30 years: +0 %: 240 mins: Summer	25.927	25.927	25.927	0.477	0.477	0.477	197.3	694.287	0.000	0.000	5.7	139.661	65.964
FEH: 30 years: +0 %: 240 mins: Winter	25.927	25.927	25.927	0.477	0.477	0.477	133.2	694.703	0.000	0.000	5.7	139.848	65.944
FEH: 30 years: +0 %: 360 mins: Summer	25.956	25.956	25.956	0.506	0.506	0.506	148.5	737.630	0.000	0.000	5.7	209.827	63.840

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FEH: 30 years: +0 %: 360 mins: Winter	25.957	25.957	25.957	0.507	0.507	0.507	97.9	738.437	0.000	0.000	5.7	210.173	63.800
FEH: 30 years: +0 %: 480 mins: Summer	25.975	25.975	25.975	0.525	0.525	0.525	122.4	764.982	0.000	0.000	5.7	280.162	62.499
FEH: 30 years: +0 %: 480 mins: Winter	25.976	25.976	25.976	0.526	0.526	0.526	79.1	766.527	0.000	0.000	5.7	280.619	62.423
FEH: 30 years: +0 %: 600 mins: Summer	25.988	25.988	25.988	0.538	0.538	0.538	103.6	783.106	0.000	0.000	5.7	350.688	61.610
FEH: 30 years: +0 %: 600 mins: Winter	25.989	25.989	25.989	0.539	0.539	0.539	66.5	785.125	0.000	0.000	5.6	351.296	61.511
FEH: 30 years: +0 %: 720 mins: Summer	25.996	25.996	25.996	0.546	0.546	0.546	89.3	795.152	0.000	0.000	5.7	421.454	61.020
FEH: 30 years: +0 %: 720 mins: Winter	25.998	25.998	25.998	0.548	0.548	0.548	58.0	797.641	0.000	0.000	5.6	422.250	60.898
FEH: 30 years: +0 %: 960 mins: Summer	26.004	26.004	26.004	0.554	0.554	0.554	72.8	806.487	0.000	0.000	5.6	563.818	60.464

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 960 mins: Winter	26.006	26.006	26.006	0.556	0.556	0.556	46.7	810.345	0.000	0.000	5.6	565.115	60.275
FEH: 30 years: +0 %: 1440 mins: Summer	26.003	26.003	26.003	0.553	0.553	0.553	53.5	804.660	0.000	0.000	5.6	850.635	60.554
FEH: 30 years: +0 %: 1440 mins: Winter	26.005	26.005	26.005	0.555	0.555	0.555	34.5	808.927	0.000	0.000	5.6	853.497	60.345
FEH: 30 years: +0 %: 2160 mins: Summer	25.993	25.993	25.993	0.543	0.543	0.543	39.9	790.388	0.000	0.000	5.6	1259.373	61.253
FEH: 30 years: +0 %: 2160 mins: Winter	25.988	25.988	25.988	0.538	0.538	0.538	25.7	783.341	0.000	0.000	5.6	1264.309	61.599
FEH: 30 years: +0 %: 2880 mins: Summer	25.981	25.981	25.981	0.531	0.531	0.531	32.3	773.013	0.000	0.000	5.6	1425.300	62.105
FEH: 30 years: +0 %: 2880 mins: Winter	25.968	25.968	25.968	0.518	0.518	0.518	20.9	755.097	0.000	0.000	5.6	1426.122	62.983
FEH: 30 years: +0 %: 4320 mins: Summer	25.957	25.957	25.957	0.507	0.507	0.507	24.4	738.062	0.000	0.000	5.6	1621.227	63.819

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 4320 mins: Winter	25.924	25.924	25.924	0.474	0.474	0.474	15.7	689.686	0.000	0.000	5.6	1621.502	66.190
FEH: 30 years: +0 %: 5760 mins: Summer	25.934	25.934	25.934	0.484	0.484	0.484	20.1	704.689	0.000	0.000	5.6	1782.569	65.455
FEH: 30 years: +0 %: 5760 mins: Winter	25.878	25.878	25.878	0.428	0.428	0.428	13.0	624.037	0.000	0.000	5.6	1782.292	69.408
FEH: 30 years: +0 %: 7200 mins: Summer	25.913	25.913	25.913	0.463	0.463	0.463	17.5	674.166	0.000	0.000	5.6	1929.056	66.951
FEH: 30 years: +0 %: 7200 mins: Winter	25.837	25.837	25.837	0.387	0.387	0.387	11.3	562.886	0.000	0.000	5.6	1929.014	72.406
FEH: 30 years: +0 %: 8640 mins: Summer	25.893	25.893	25.893	0.443	0.443	0.443	15.6	645.653	0.000	0.000	5.6	2066.230	68.349
FEH: 30 years: +0 %: 8640 mins: Winter	25.798	25.798	25.798	0.348	0.348	0.348	10.1	506.798	0.000	0.000	5.6	2065.295	75.156
FEH: 30 years: +0 %: 10080 mins: Summer	25.875	25.875	25.875	0.425	0.425	0.425	14.3	619.237	0.000	0.000	5.6	2198.758	69.644

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Drainage Network Unit 4:	Date:		
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Report Details:	Company Address:		
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FEH: 30 years: +0 %: 10080 mins: Winter	25.764	25.764	25.764	0.314	0.314	0.314	9.2	457.444	0.000	0.000	5.6	2200.365	77.575

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
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Type: Stormwater Controls Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	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	25.770	25.770	25.770	0.320	0.320	0.320	933.8	466.264	0.000	0.000	6.8	8.295	77.143
FEH: 30 years: +40 %: 15 mins: Winter	25.770	25.770	25.770	0.320	0.320	0.320	892.2	466.226	0.000	0.000	7.3	8.361	77.145
FEH: 30 years: +40 %: 30 mins: Summer	25.865	25.865	25.865	0.415	0.415	0.415	712.9	603.991	0.000	0.000	6.5	17.296	70.391
FEH: 30 years: +40 %: 30 mins: Winter	25.865	25.865	25.865	0.415	0.415	0.415	669.4	603.890	0.000	0.000	6.2	17.392	70.396
FEH: 30 years: +40 %: 60 mins: Summer	25.963	25.963	25.963	0.513	0.513	0.513	621.7	747.370	0.000	0.000	6.1	35.416	63.362

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 60 mins: Winter	25.963	25.963	25.963	0.513	0.513	0.513	495.5	747.281	0.000	0.000	6.0	35.170	63.367
FEH: 30 years: +40 %: 120 mins: Summer	26.041	26.041	26.041	0.591	0.591	0.591	423.9	861.178	0.000	0.000	5.9	68.609	57.783
FEH: 30 years: +40 %: 120 mins: Winter	26.041	26.041	26.041	0.591	0.591	0.591	309.1	861.131	0.000	0.000	5.8	68.275	57.785
FEH: 30 years: +40 %: 180 mins: Summer	26.090	26.090	26.090	0.640	0.640	0.640	333.6	932.767	0.000	0.000	5.8	100.682	54.274
FEH: 30 years: +40 %: 180 mins: Winter	26.090	26.090	26.090	0.640	0.640	0.640	229.9	932.723	0.000	0.000	5.8	100.074	54.276
FEH: 30 years: +40 %: 240 mins: Summer	26.127	26.127	26.127	0.677	0.677	0.677	275.9	985.225	0.000	0.000	5.8	130.433	51.702
FEH: 30 years: +40 %: 240 mins: Winter	26.127	26.127	26.127	0.677	0.677	0.677	185.3	985.436	0.000	0.000	5.7	129.877	51.692

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 30 years: +40 %: 360 mins: Summer	26.177	26.177	26.177	0.727	0.727	0.727	206.8	1059.049	0.000	0.000	5.7	191.111	48.083
FEH: 30 years: +40 %: 360 mins: Winter	26.178	26.178	26.178	0.728	0.728	0.728	136.3	1059.733	0.000	0.000	5.7	191.040	48.049
FEH: 30 years: +40 %: 480 mins: Summer	26.212	26.212	26.212	0.762	0.762	0.762	167.3	1109.951	0.000	0.000	5.7	256.076	45.588
FEH: 30 years: +40 %: 480 mins: Winter	26.213	26.213	26.213	0.763	0.763	0.763	109.1	1111.054	0.000	0.000	5.7	256.349	45.534
FEH: 30 years: +40 %: 600 mins: Summer	26.238	26.238	26.238	0.788	0.788	0.788	143.0	1147.438	0.000	0.000	5.7	322.413	43.750
FEH: 30 years: +40 %: 600 mins: Winter	26.239	26.239	26.239	0.789	0.789	0.789	91.7	1148.995	0.000	0.000	5.7	322.672	43.674
FEH: 30 years: +40 %: 720 mins: Summer	26.257	26.257	26.257	0.807	0.807	0.807	124.2	1175.920	0.000	0.000	5.7	388.971	42.354

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FEH: 30 years: +40 %: 720 mins: Winter	26.259	26.259	26.259	0.809	0.809	0.809	80.2	1177.999	0.000	0.000	5.6	389.153	42.252
FEH: 30 years: +40 %: 960 mins: Summer	26.284	26.284	26.284	0.834	0.834	0.834	100.3	1214.587	0.000	0.000	5.6	522.321	40.458
FEH: 30 years: +40 %: 960 mins: Winter	26.286	26.286	26.286	0.836	0.836	0.836	64.6	1218.051	0.000	0.000	5.6	522.344	40.288
FEH: 30 years: +40 %: 1440 mins: Summer	26.309	26.309	26.309	0.859	0.859	0.859	74.2	1251.345	0.000	0.000	5.6	793.516	38.656
FEH: 30 years: +40 %: 1440 mins: Winter	26.314	26.314	26.314	0.864	0.864	0.864	47.9	1257.909	0.000	0.000	5.6	793.379	38.334
FEH: 30 years: +40 %: 2160 mins: Summer	26.310	26.310	26.310	0.860	0.860	0.860	55.1	1252.693	0.000	0.000	5.6	1214.262	38.590
FEH: 30 years: +40 %: 2160 mins: Winter	26.318	26.318	26.318	0.868	0.868	0.868	35.6	1264.629	0.000	0.000	5.6	1215.104	38.005

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2880 mins: Summer	26.303	26.303	26.303	0.853	0.853	0.853	44.8	1242.538	0.000	0.000	5.6	1642.870	39.088
FEH: 30 years: +40 %: 2880 mins: Winter	26.304	26.304	26.304	0.854	0.854	0.854	28.9	1244.230	0.000	0.000	5.6	1646.787	39.005
FEH: 30 years: +40 %: 4320 mins: Summer	26.289	26.289	26.289	0.839	0.839	0.839	33.7	1222.089	0.000	0.000	5.6	2258.912	40.090
FEH: 30 years: +40 %: 4320 mins: Winter	26.277	26.277	26.277	0.827	0.827	0.827	21.8	1204.548	0.000	0.000	5.6	2259.147	40.950
FEH: 30 years: +40 %: 5760 mins: Summer	26.279	26.279	26.279	0.829	0.829	0.829	27.8	1206.925	0.000	0.000	5.6	2493.926	40.834
FEH: 30 years: +40 %: 5760 mins: Winter	26.250	26.250	26.250	0.800	0.800	0.800	18.0	1165.364	0.000	0.000	5.6	2494.516	42.871
FEH: 30 years: +40 %: 7200 mins: Summer	26.271	26.271	26.271	0.821	0.821	0.821	24.1	1195.437	0.000	0.000	5.6	2700.991	41.397

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 30 years: +40 %: 7200 mins: Winter	26.222	26.222	26.222	0.772	0.772	0.772	15.6	1124.817	0.000	0.000	5.6	2701.368	44.859
FEH: 30 years: +40 %: 8640 mins: Summer	26.264	26.264	26.264	0.814	0.814	0.814	21.5	1184.743	0.000	0.000	5.6	2892.988	41.921
FEH: 30 years: +40 %: 8640 mins: Winter	26.194	26.194	26.194	0.744	0.744	0.744	13.9	1083.403	0.000	0.000	5.6	2893.679	46.889
FEH: 30 years: +40 %: 10080 mins: Summer	26.257	26.257	26.257	0.807	0.807	0.807	19.6	1175.871	0.000	0.000	5.6	3077.240	42.356
FEH: 30 years: +40 %: 10080 mins: Winter	26.166	26.166	26.166	0.716	0.716	0.716	12.7	1042.078	0.000	0.000	5.6	3078.123	48.915

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	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	25.863	25.863	25.863	0.413	0.413	0.413	1148.9	601.628	0.000	0.000	6.7	8.677	70.507
FEH: 100 years: +45 %: 15 mins: Winter	25.863	25.863	25.863	0.413	0.413	0.413	1093.1	601.154	0.000	0.000	6.3	8.749	70.530
FEH: 100 years: +45 %: 30 mins: Summer	25.989	25.989	25.989	0.539	0.539	0.539	859.7	785.476	0.000	0.000	6.6	18.860	61.494
FEH: 100 years: +45 %: 30 mins: Winter	25.989	25.989	25.989	0.539	0.539	0.539	826.3	785.346	0.000	0.000	6.5	18.897	61.501

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Alchemy,Western Plot Network Space Developments	28/07/2026		
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FEH: 100 years: +45 %: 60 mins: Summer	26.119	26.119	26.119	0.669	0.669	0.669	774.5	974.693	0.000	0.000	6.2	35.054	52.218
FEH: 100 years: +45 %: 60 mins: Winter	26.119	26.119	26.119	0.669	0.669	0.669	645.4	974.609	0.000	0.000	6.1	34.572	52.222
FEH: 100 years: +45 %: 120 mins: Summer	26.214	26.214	26.214	0.764	0.764	0.764	551.8	1112.963	0.000	0.000	6.0	66.642	45.440
FEH: 100 years: +45 %: 120 mins: Winter	26.214	26.214	26.214	0.764	0.764	0.764	396.2	1113.018	0.000	0.000	5.9	66.039	45.437
FEH: 100 years: +45 %: 180 mins: Summer	26.275	26.275	26.275	0.825	0.825	0.825	422.7	1202.084	0.000	0.000	5.9	99.945	41.071
FEH: 100 years: +45 %: 180 mins: Winter	26.276	26.276	26.276	0.826	0.826	0.826	292.1	1202.248	0.000	0.000	5.8	99.830	41.063

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 100 years: +45 %: 240 mins: Summer	26.321	26.321	26.321	0.871	0.871	0.871	348.7	1268.743	0.000	0.000	5.8	135.262	37.803
FEH: 100 years: +45 %: 240 mins: Winter	26.321	26.321	26.321	0.871	0.871	0.871	235.8	1269.062	0.000	0.000	5.7	134.784	37.788
FEH: 100 years: +45 %: 360 mins: Summer	26.388	26.388	26.388	0.938	0.938	0.938	258.2	1366.635	0.000	0.000	5.7	207.611	33.004
FEH: 100 years: +45 %: 360 mins: Winter	26.389	26.389	26.389	0.939	0.939	0.939	171.3	1367.987	0.000	0.000	5.7	206.294	32.938
FEH: 100 years: +45 %: 480 mins: Summer	26.437	26.437	26.437	0.987	0.987	0.987	212.3	1437.650	0.000	0.000	5.7	281.179	29.523
FEH: 100 years: +45 %: 480 mins: Winter	26.439	26.439	26.439	0.989	0.989	0.989	136.8	1439.932	0.000	0.000	5.7	279.234	29.411

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FEH: 100 years: +45 %: 600 mins: Summer	26.475	26.475	26.475	1.025	1.025	1.025	178.3	1492.350	0.000	0.000	5.7	355.016	26.842
FEH: 100 years: +45 %: 600 mins: Winter	26.477	26.477	26.477	1.027	1.027	1.027	115.1	1495.731	0.000	0.000	5.7	352.885	26.676
FEH: 100 years: +45 %: 720 mins: Summer	26.505	26.505	26.505	1.055	1.055	1.055	155.0	1535.801	0.000	0.000	5.7	429.121	24.712
FEH: 100 years: +45 %: 720 mins: Winter	26.508	26.508	26.508	1.058	1.058	1.058	100.2	1540.192	0.000	0.000	5.6	426.828	24.496
FEH: 100 years: +45 %: 960 mins: Summer	26.548	26.548	26.548	1.098	1.098	1.098	125.3	1599.515	0.000	0.000	5.6	577.625	21.588
FEH: 100 years: +45 %: 960 mins: Winter	26.553	26.553	26.553	1.103	1.103	1.103	80.8	1606.124	0.000	0.000	5.6	574.810	21.264

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 100 years: +45 %: 1440 mins: Summer	26.597	26.597	26.597	1.147	1.147	1.147	92.7	1669.861	0.000	0.000	5.6	871.971	18.140
FEH: 100 years: +45 %: 1440 mins: Winter	26.605	26.605	26.605	1.155	1.155	1.155	59.8	1681.428	0.000	0.000	5.6	867.711	17.573
FEH: 100 years: +45 %: 2160 mins: Summer	26.615	26.615	26.615	1.165	1.165	1.165	68.7	1697.234	0.000	0.000	5.7	1295.623	16.798
FEH: 100 years: +45 %: 2160 mins: Winter	26.630	26.630	26.630	1.180	1.180	1.180	44.3	1717.952	0.000	0.000	5.7	1290.161	15.782
FEH: 100 years: +45 %: 2880 mins: Summer	26.610	26.610	26.610	1.160	1.160	1.160	55.7	1689.000	0.000	0.000	5.6	1707.463	17.201
FEH: 100 years: +45 %: 2880 mins: Winter	26.625	26.625	26.625	1.175	1.175	1.175	36.0	1711.406	0.000	0.000	5.7	1700.899	16.103

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 4320 mins: Summer	26.591	26.591	26.591	1.141	1.141	1.141	41.7	1662.342	0.000	0.000	5.6	2574.462	18.508
FEH: 100 years: +45 %: 4320 mins: Winter	26.594	26.594	26.594	1.144	1.144	1.144	26.9	1665.825	0.000	0.000	5.6	2571.160	18.337
FEH: 100 years: +45 %: 5760 mins: Summer	26.575	26.575	26.575	1.125	1.125	1.125	34.0	1638.957	0.000	0.000	5.6	3109.819	19.655
FEH: 100 years: +45 %: 5760 mins: Winter	26.564	26.564	26.564	1.114	1.114	1.114	22.0	1622.857	0.000	0.000	5.6	3109.820	20.444
FEH: 100 years: +45 %: 7200 mins: Summer	26.563	26.563	26.563	1.113	1.113	1.113	29.2	1620.293	0.000	0.000	5.6	3346.063	20.570
FEH: 100 years: +45 %: 7200 mins: Winter	26.535	26.535	26.535	1.085	1.085	1.085	18.9	1580.384	0.000	0.000	5.6	3345.500	22.526

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 8640 mins: Summer	26.552	26.552	26.552	1.102	1.102	1.102	25.9	1605.055	0.000	0.000	5.6	3558.106	21.317
FEH: 100 years: +45 %: 8640 mins: Winter	26.506	26.506	26.506	1.056	1.056	1.056	16.8	1537.990	0.000	0.000	5.6	3557.438	24.604
FEH: 100 years: +45 %: 10080 mins: Summer	26.543	26.543	26.543	1.093	1.093	1.093	23.5	1591.131	0.000	0.000	5.6	3757.292	21.999
FEH: 100 years: +45 %: 10080 mins: Winter	26.480	26.480	26.480	1.030	1.030	1.030	15.2	1499.552	0.000	0.000	5.6	3758.465	26.489

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	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	25.912	25.912	25.912	0.462	0.462	0.462	1271.8	672.998	0.000	0.000	6.2	9.291	67.008
FEH: 200 years: +45 %: 15 mins: Winter	25.912	25.912	25.912	0.462	0.462	0.462	1208.1	673.106	0.000	0.000	6.6	9.385	67.003
FEH: 200 years: +45 %: 30 mins: Summer	26.057	26.057	26.057	0.607	0.607	0.607	921.7	884.011	0.000	0.000	6.4	18.168	56.664
FEH: 200 years: +45 %: 30 mins: Winter	26.057	26.057	26.057	0.607	0.607	0.607	900.4	883.901	0.000	0.000	6.3	18.348	56.669

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 60 mins: Summer	26.207	26.207	26.207	0.757	0.757	0.757	837.3	1102.970	0.000	0.000	6.3	36.100	45.930
FEH: 200 years: +45 %: 60 mins: Winter	26.207	26.207	26.207	0.757	0.757	0.757	722.2	1102.958	0.000	0.000	6.2	35.222	45.930
FEH: 200 years: +45 %: 120 mins: Summer	26.314	26.314	26.314	0.864	0.864	0.864	622.0	1258.532	0.000	0.000	6.0	68.961	38.304
FEH: 200 years: +45 %: 120 mins: Winter	26.314	26.314	26.314	0.864	0.864	0.864	443.2	1258.720	0.000	0.000	5.9	68.623	38.295
FEH: 200 years: +45 %: 180 mins: Summer	26.385	26.385	26.385	0.935	0.935	0.935	472.6	1362.328	0.000	0.000	5.9	105.198	33.216
FEH: 200 years: +45 %: 180 mins: Winter	26.386	26.386	26.386	0.936	0.936	0.936	327.3	1362.709	0.000	0.000	5.8	104.320	33.197

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	26.440	26.440	26.440	0.990	0.990	0.990	383.2	1442.033	0.000	0.000	5.8	142.780	29.308
FEH: 200 years: +45 %: 240 mins: Winter	26.441	26.441	26.441	0.991	0.991	0.991	263.4	1442.720	0.000	0.000	5.8	140.574	29.275
FEH: 200 years: +45 %: 360 mins: Summer	26.523	26.523	26.523	1.073	1.073	1.073	289.2	1563.013	0.000	0.000	5.7	218.143	23.378
FEH: 200 years: +45 %: 360 mins: Winter	26.525	26.525	26.525	1.075	1.075	1.075	191.6	1564.925	0.000	0.000	5.7	216.435	23.284
FEH: 200 years: +45 %: 480 mins: Summer	26.585	26.585	26.585	1.135	1.135	1.135	237.8	1652.314	0.000	0.000	5.7	295.545	19.000
FEH: 200 years: +45 %: 480 mins: Winter	26.587	26.587	26.587	1.137	1.137	1.137	154.6	1655.350	0.000	0.000	5.7	293.722	18.851

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 600 mins: Summer	26.632	26.632	26.632	1.182	1.182	1.182	202.8	1721.779	0.000	0.000	5.7	374.569	15.594
FEH: 200 years: +45 %: 600 mins: Winter	26.635	26.635	26.635	1.185	1.185	1.185	130.7	1726.065	0.000	0.000	5.7	371.921	15.384
FEH: 200 years: +45 %: 720 mins: Summer	26.671	26.671	26.671	1.221	1.221	1.221	177.0	1777.516	0.000	0.000	5.8	453.800	12.862
FEH: 200 years: +45 %: 720 mins: Winter	26.674	26.674	26.674	1.224	1.224	1.224	114.1	1783.042	0.000	0.000	5.8	450.605	12.591
FEH: 200 years: +45 %: 960 mins: Summer	26.728	26.728	26.728	1.278	1.278	1.278	143.2	1860.553	0.000	0.000	5.9	612.765	8.791
FEH: 200 years: +45 %: 960 mins: Winter	26.733	26.733	26.733	1.283	1.283	1.283	92.4	1868.582	0.000	0.000	5.9	608.472	8.398

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 1440 mins: Summer	26.794	26.794	26.794	1.344	1.344	1.344	106.5	1956.732	0.000	0.000	6.0	928.532	4.077
FEH: 200 years: +45 %: 1440 mins: Winter	26.803	26.803	26.803	1.353	1.353	1.353	68.7	1970.479	0.000	0.000	6.0	922.226	3.403
FEH: 200 years: +45 %: 2160 mins: Summer	26.825	26.825	26.825	1.375	1.375	1.375	79.2	2001.939	0.000	0.000	6.1	1384.908	1.860
FEH: 200 years: +45 %: 2160 mins: Winter	26.841	26.841	26.841	1.391	1.391	1.391	51.0	2025.931	0.000	0.000	6.1	1376.488	0.684
FEH: 200 years: +45 %: 2880 mins: Summer	26.820	26.820	26.820	1.370	1.370	1.370	64.1	1994.619	0.000	0.000	6.1	1814.387	2.219
FEH: 200 years: +45 %: 2880 mins: Winter	26.842	26.842	26.842	1.392	1.392	1.392	41.3	2026.568	0.000	0.000	6.1	1805.089	0.653

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 4320 mins: Summer	26.794	26.794	26.794	1.344	1.344	1.344	47.5	1958.039	0.000	0.000	6.0	2658.185	4.012
FEH: 200 years: +45 %: 4320 mins: Winter	26.803	26.803	26.803	1.353	1.353	1.353	30.6	1970.280	0.000	0.000	6.0	2647.745	3.412
FEH: 200 years: +45 %: 5760 mins: Summer	26.770	26.770	26.770	1.320	1.320	1.320	38.5	1922.145	0.000	0.000	6.0	3478.839	5.772
FEH: 200 years: +45 %: 5760 mins: Winter	26.768	26.768	26.768	1.318	1.318	1.318	24.8	1918.808	0.000	0.000	6.0	3477.745	5.936
FEH: 200 years: +45 %: 7200 mins: Summer	26.749	26.749	26.749	1.299	1.299	1.299	32.9	1892.048	0.000	0.000	5.9	3748.906	7.248
FEH: 200 years: +45 %: 7200 mins: Winter	26.731	26.731	26.731	1.281	1.281	1.281	21.2	1865.259	0.000	0.000	5.9	3746.453	8.561

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Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Stormwater Controls Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 8640 mins: Summer	26.732	26.732	26.732	1.282	1.282	1.282	28.9	1867.208	0.000	0.000	5.9	3966.738	8.465
FEH: 200 years: +45 %: 8640 mins: Winter	26.697	26.697	26.697	1.247	1.247	1.247	18.7	1816.078	0.000	0.000	5.8	3965.709	10.972
FEH: 200 years: +45 %: 10080 mins: Summer	26.718	26.718	26.718	1.268	1.268	1.268	26.1	1847.047	0.000	0.000	5.9	4172.529	9.454
FEH: 200 years: +45 %: 10080 mins: Winter	26.664	26.664	26.664	1.214	1.214	1.214	16.8	1768.558	0.000	0.000	5.8	4171.607	13.301

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

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Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: UNIT 4	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 4:	Date:		
Alchemy,Western Plot	28/07/2026		
Network Space	Designed	Checked by:	Approved
Developments	AMG	AB	ADS
Report Details:	Company Address:		
Type: Stormwater Controls	ADS Consult		
Storm Phase: UNIT 4	107 Mere Grange Business Park		
	Leaside, St Helens, WA9 5GG		

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.006-4 : 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	Full Retention oil Interceptor	Tank	27.943	25.880	0.130	87.698	4.5	0.36	169.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.874	0.127	87.717	4.4	0.34	160.8	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.848	0.136	112.676	3.9	0.28	130.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.842	0.132	112.706	3.8	0.26	122.1	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.834	0.136	139.850	3.3	0.24	111.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 60 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.814	0.130	139.849	3.0	0.19	90.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.811	0.140	180.531	2.5	0.18	85.6	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.786	0.136	180.559	2.3	0.13	61.6	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.795	0.144	207.234	2.0	0.15	69.3	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.771	0.141	207.202	2.1	0.1	47.8	OK
FEH: 2 years: +0 %: 240 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.785	0.157	227.593	1.9	0.12	58.9	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.761	0.157	227.562	1.9	0.08	39.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 360 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.770	0.177	258.529	1.7	0.1	45.7	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.747	0.177	258.547	1.7	0.06	30.3	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.761	0.188	282.585	1.6	0.08	38.3	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.746	0.189	282.590	1.6	0.05	24.8	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.751	0.194	302.522	1.6	0.07	33.1	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.753	0.196	302.516	1.5	0.04	21.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.755	0.198	319.720	1.5	0.06	29.0	OK

FEH: 2 years: +0 %: 720 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.756	0.199	319.753	1.4	0.04	18.7	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.759	0.202	348.530	1.4	0.05	23.7	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.757	0.200	348.563	1.3	0.03	15.3	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.761	0.204	394.294	1.3	0.04	17.9	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.755	0.198	394.297	1.2	0.02	11.5	OK
FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.754	0.197	446.856	1.2	0.03	13.5	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.739	0.182	446.956	1.0	0.02	8.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.744	0.187	490.149	1.1	0.02	11.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.720	0.163	489.990	1.0	0.02	7.2	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.724	0.166	563.012	1.0	0.02	8.5	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.696	0.127	562.703	0.8	0.01	5.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.704	0.147	627.143	1.0	0.02	7.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.693	0.109	627.379	0.8	0.01	4.6	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.698	0.130	685.671	0.9	0.01	6.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.692	0.095	685.788	0.7	0.01	4.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.696	0.122	743.096	0.9	0.01	5.6	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.690	0.082	742.084	0.7	0.01	3.6	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.695	0.115	796.783	0.9	0.01	5.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.689	0.073	795.363	0.7	0.01	3.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-4.000-4: 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	S12-4	Tank	27.975	25.748	0.093	23.469	2.4	0.14	38.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S12-4	Tank	27.975	25.745	0.092	23.466	2.4	0.14	37.0	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S12-4	Tank	27.975	25.739	0.099	30.273	2.0	0.13	34.9	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S12-4	Tank	27.975	25.736	0.098	30.267	2.0	0.12	32.8	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S12-4	Tank	27.975	25.731	0.105	37.586	1.6	0.11	30.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S12-4	Tank	27.975	25.721	0.102	37.580	1.5	0.09	24.1	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S12-4	Tank	27.975	25.719	0.126	48.497	1.2	0.08	22.9	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S12-4	Tank	27.975	25.705	0.126	48.504	1.3	0.06	16.8	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S12-4	Tank	27.975	25.707	0.151	55.615	1.2	0.07	19.0	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S12-4	Tank	27.975	25.696	0.151	55.592	1.2	0.05	12.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S12-4	Tank	27.975	25.713	0.168	61.055	1.1	0.06	15.8	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S12-4	Tank	27.975	25.713	0.168	61.059	1.1	0.04	10.7	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S12-4	Tank	27.975	25.734	0.189	69.417	1.0	0.05	12.3	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S12-4	Tank	27.975	25.734	0.189	69.386	1.0	0.03	8.1	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S12-4	Tank	27.975	25.745	0.200	75.946	1.0	0.04	10.3	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S12-4	Tank	27.975	25.746	0.201	75.921	0.9	0.02	6.7	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S12-4	Tank	27.975	25.751	0.206	81.293	0.9	0.03	8.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S12-4	Tank	27.975	25.752	0.207	81.281	0.9	0.02	5.7	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S12-4	Tank	27.975	25.755	0.210	85.907	0.9	0.03	7.8	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S12-4	Tank	27.975	25.756	0.211	85.918	0.8	0.02	5.0	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S12-4	Tank	27.975	25.759	0.214	93.681	0.8	0.02	6.4	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S12-4	Tank	27.975	25.757	0.212	93.609	0.8	0.02	4.1	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S12-4	Tank	27.975	25.761	0.216	105.950	0.8	0.02	4.8	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S12-4	Tank	27.975	25.755	0.210	105.829	0.7	0.01	3.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S12-4	Tank	27.975	25.754	0.209	120.162	0.7	0.01	3.6	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S12-4	Tank	27.975	25.739	0.194	120.281	0.6	0.01	2.3	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S12-4	Tank	27.975	25.744	0.199	131.753	0.7	0.01	3.0	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S12-4	Tank	27.975	25.719	0.174	131.896	0.5	0.01	1.9	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S12-4	Tank	27.975	25.723	0.178	151.370	0.6	0.01	2.3	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S12-4	Tank	27.975	25.680	0.135	151.219	0.4	0.01	1.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S12-4	Tank	27.975	25.703	0.158	168.552	0.6	0.01	1.9	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S12-4	Tank	27.975	25.657	0.104	168.119	0.4	0	1.2	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S12-4	Tank	27.975	25.686	0.141	185.225	0.5	0.01	1.7	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S12-4	Tank	27.975	25.656	0.090	184.528	0.4	0	1.1	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S12-4	Tank	27.975	25.670	0.125	200.399	0.5	0.01	1.5	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S12-4	Tank	27.975	25.655	0.078	199.473	0.4	0	1.0	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S12-4	Tank	27.975	25.658	0.111	214.714	0.5	0.01	1.4	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S12-4	Tank	27.975	25.655	0.068	214.448	0.3	0	0.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S04-4	S05-4	27.886	26.069	0.338	84.706	1.3	1.07	168.4	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S04-4	S05-4	27.886	26.056	0.326	84.727	1.3	1.01	159.6	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S04-4	S05-4	27.886	26.005	0.281	108.758	1.2	0.8	125.5	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S04-4	S05-4	27.886	25.994	0.271	108.782	1.2	0.75	117.8	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S04-4	S05-4	27.886	25.979	0.258	134.977	1.1	0.69	108.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S04-4	S05-4	27.886	25.947	0.229	134.966	1.1	0.55	86.8	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S04-4	S05-4	27.886	25.940	0.223	174.244	1.1	0.53	82.7	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S04-4	S05-4	27.886	25.901	0.187	174.275	1.0	0.38	59.5	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S04-4	S05-4	27.886	25.914	0.199	200.015	1.0	0.43	67.0	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S04-4	S05-4	27.886	25.876	0.164	199.991	0.9	0.29	46.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S04-4	S05-4	27.886	25.896	0.183	219.678	0.9	0.36	56.9	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S04-4	S05-4	27.886	25.859	0.149	219.666	0.8	0.24	38.3	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S04-4	S05-4	27.886	25.872	0.160	249.541	0.9	0.28	44.2	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S04-4	S05-4	27.886	25.839	0.129	249.577	0.8	0.19	29.1	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S04-4	S05-4	27.886	25.857	0.147	272.779	0.8	0.23	37.0	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S04-4	S05-4	27.886	25.825	0.116	272.780	0.7	0.15	23.9	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S04-4	S05-4	27.886	25.844	0.135	292.013	0.8	0.2	31.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S04-4	S05-4	27.886	25.816	0.108	292.004	0.7	0.13	20.5	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S04-4	S05-4	27.886	25.835	0.126	308.630	0.8	0.18	28.0	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S04-4	S05-4	27.886	25.809	0.101	308.666	0.7	0.11	18.1	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S04-4	S05-4	27.886	25.822	0.114	336.422	0.7	0.15	22.9	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S04-4	S05-4	27.886	25.798	0.092	336.470	0.6	0.09	14.8	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S04-4	S05-4	27.886	25.806	0.099	380.642	0.7	0.11	17.3	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S04-4	S05-4	27.886	25.786	0.081	380.642	0.6	0.07	11.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S04-4	S05-4	27.886	25.793	0.087	431.376	0.6	0.08	13.1	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S04-4	S05-4	27.886	25.775	0.071	431.544	0.5	0.05	8.4	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S04-4	S05-4	27.886	25.784	0.079	473.166	0.6	0.07	10.7	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S04-4	S05-4	27.886	25.768	0.064	473.069	0.5	0.04	6.9	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S04-4	S05-4	27.886	25.774	0.070	543.449	0.5	0.05	8.2	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S04-4	S05-4	27.886	25.760	0.057	543.353	0.5	0.03	5.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S04-4	S05-4	27.886	25.768	0.064	605.381	0.5	0.04	6.9	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S04-4	S05-4	27.886	25.755	0.052	605.465	0.4	0.03	4.4	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S04-4	S05-4	27.886	25.764	0.060	661.907	0.5	0.04	6.0	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S04-4	S05-4	27.886	25.752	0.049	662.357	0.4	0.02	3.9	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S04-4	S05-4	27.886	25.761	0.057	717.167	0.5	0.03	5.4	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S04-4	S05-4	27.886	25.750	0.047	716.663	0.4	0.02	3.5	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S04-4	S05-4	27.886	25.759	0.055	768.719	0.4	0.03	5.0	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S04-4	S05-4	27.886	25.748	0.045	767.897	0.4	0.02	3.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.005-4 : 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	S05-4	Full Retention oil Interceptor	27.792	25.996	0.262	87.723	1.8	1.09	173.1	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.987	0.254	87.744	1.8	1.03	164.1	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.948	0.222	112.654	1.7	0.82	130.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.939	0.214	112.684	1.6	0.77	122.1	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.927	0.204	139.812	1.6	0.7	111.9	OK

FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.901	0.181	139.812	1.5	0.57	90.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.895	0.177	180.490	1.5	0.54	85.6	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.863	0.148	180.520	1.4	0.39	61.6	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.874	0.158	207.202	1.4	0.44	69.4	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.842	0.130	207.171	1.3	0.3	47.8	OK
FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.859	0.145	227.569	1.3	0.37	58.9	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.828	0.118	227.538	1.2	0.25	39.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.839	0.128	258.508	1.2	0.29	45.8	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.810	0.102	258.526	1.2	0.19	30.2	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.826	0.117	282.563	1.2	0.24	38.3	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.798	0.090	282.569	1.1	0.16	24.8	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.815	0.106	302.499	1.2	0.21	33.0	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.790	0.082	302.495	1.1	0.13	21.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.806	0.096	319.698	1.2	0.18	29.0	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.784	0.081	319.734	1.0	0.12	18.7	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.795	0.087	348.510	1.1	0.15	23.7	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.776	0.082	348.545	1.0	0.1	15.3	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.782	0.085	394.278	1.0	0.11	17.9	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.765	0.080	394.283	0.9	0.07	11.5	OK
FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.771	0.079	446.839	0.9	0.08	13.5	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.756	0.066	446.938	0.8	0.05	8.7	OK

FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.764	0.070	490.132	0.9	0.07	11.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.750	0.051	489.972	0.8	0.05	7.2	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.755	0.054	563.000	0.8	0.05	8.5	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.743	0.043	562.691	0.7	0.03	5.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.750	0.049	627.132	0.8	0.04	7.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.739	0.040	627.371	0.7	0.03	4.6	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.747	0.046	685.661	0.7	0.04	6.2	OK

FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.736	0.037	685.781	0.6	0.03	4.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.744	0.044	743.087	0.7	0.04	5.6	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.734	0.036	742.079	0.6	0.02	3.6	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.742	0.042	796.775	0.7	0.03	5.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.733	0.035	795.359	0.6	0.02	3.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.002-4: 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	S02-4	S03-4	27.946	26.194	0.226	29.040	0.7	0.37	57.8	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S02-4	S03-4	27.946	26.187	0.217	29.061	0.7	0.35	54.9	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S02-4	S03-4	27.946	26.158	0.183	37.286	0.7	0.27	43.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S02-4	S03-4	27.946	26.151	0.175	37.304	0.7	0.26	40.4	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S02-4	S03-4	27.946	26.142	0.166	46.291	0.7	0.23	37.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S02-4	S03-4	27.946	26.124	0.146	46.273	0.7	0.19	29.8	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S02-4	S03-4	27.946	26.120	0.142	59.756	0.7	0.18	28.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S02-4	S03-4	27.946	26.097	0.119	59.757	0.6	0.13	20.4	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S02-4	S03-4	27.946	26.105	0.127	68.600	0.6	0.15	23.0	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S02-4	S03-4	27.946	26.083	0.104	68.565	0.6	0.1	15.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S02-4	S03-4	27.946	26.094	0.116	75.321	0.6	0.12	19.5	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S02-4	S03-4	27.946	26.073	0.094	75.310	0.5	0.08	13.1	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S02-4	S03-4	27.946	26.080	0.101	85.575	0.6	0.1	15.1	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S02-4	S03-4	27.946	26.062	0.082	85.582	0.5	0.06	10.0	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S02-4	S03-4	27.946	26.072	0.092	93.543	0.5	0.08	12.7	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S02-4	S03-4	27.946	26.055	0.074	93.533	0.5	0.05	8.2	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S02-4	S03-4	27.946	26.065	0.086	100.116	0.5	0.07	10.9	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S02-4	S03-4	27.946	26.050	0.069	100.144	0.5	0.04	7.0	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S02-4	S03-4	27.946	26.060	0.080	105.807	0.5	0.06	9.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S02-4	S03-4	27.946	26.046	0.065	105.827	0.4	0.04	6.2	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S02-4	S03-4	27.946	26.053	0.073	115.312	0.5	0.05	7.8	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S02-4	S03-4	27.946	26.041	0.059	115.325	0.4	0.03	5.1	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S02-4	S03-4	27.946	26.045	0.063	130.456	0.4	0.04	5.9	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S02-4	S03-4	27.946	26.034	0.051	130.499	0.4	0.02	3.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S02-4	S03-4	27.946	26.037	0.055	147.964	0.4	0.03	4.5	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S02-4	S03-4	27.946	26.028	0.045	148.013	0.3	0.02	2.9	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S02-4	S03-4	27.946	26.033	0.050	162.148	0.4	0.02	3.7	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S02-4	S03-4	27.946	26.024	0.041	162.047	0.3	0.01	2.4	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S02-4	S03-4	27.946	26.027	0.044	186.082	0.3	0.02	2.8	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S02-4	S03-4	27.946	26.020	0.036	186.377	0.3	0.01	1.8	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S02-4	S03-4	27.946	26.024	0.041	207.580	0.3	0.01	2.4	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S02-4	S03-4	27.946	26.017	0.033	207.731	0.3	0.01	1.5	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S02-4	S03-4	27.946	26.022	0.038	226.960	0.3	0.01	2.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S02-4	S03-4	27.946	26.015	0.031	227.003	0.3	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S02-4	S03-4	27.946	26.020	0.036	245.650	0.3	0.01	1.9	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S02-4	S03-4	27.946	26.014	0.030	246.527	0.3	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S02-4	S03-4	27.946	26.019	0.035	263.801	0.3	0.01	1.7	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S02-4	S03-4	27.946	26.013	0.029	263.213	0.3	0.01	1.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4 : 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	S01-4	S02-4	27.945	26.230	0.197	20.516	0.7	0.28	44.9	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S01-4	S02-4	27.945	26.223	0.189	20.513	0.7	0.27	42.3	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S01-4	S02-4	27.945	26.192	0.159	26.289	0.6	0.19	30.3	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S01-4	S02-4	27.945	26.186	0.153	26.293	0.6	0.18	28.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S01-4	S02-4	27.945	26.178	0.145	32.613	0.6	0.16	26.1	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S01-4	S02-4	27.945	26.162	0.127	32.599	0.6	0.13	21.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S01-4	S02-4	27.945	26.159	0.124	42.095	0.6	0.13	20.0	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S01-4	S02-4	27.945	26.139	0.103	42.087	0.5	0.09	14.4	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S01-4	S02-4	27.945	26.146	0.110	48.315	0.5	0.1	16.2	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S01-4	S02-4	27.945	26.127	0.089	48.307	0.5	0.07	11.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S01-4	S02-4	27.945	26.137	0.100	53.054	0.5	0.09	13.7	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S01-4	S02-4	27.945	26.119	0.081	53.052	0.5	0.06	9.2	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S01-4	S02-4	27.945	26.125	0.087	60.265	0.5	0.07	10.7	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S01-4	S02-4	27.945	26.109	0.070	60.274	0.4	0.04	7.0	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S01-4	S02-4	27.945	26.117	0.079	65.886	0.5	0.06	8.9	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S01-4	S02-4	27.945	26.103	0.063	65.895	0.4	0.04	5.8	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S01-4	S02-4	27.945	26.112	0.073	70.533	0.5	0.05	7.7	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S01-4	S02-4	27.945	26.099	0.059	70.503	0.4	0.03	5.0	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S01-4	S02-4	27.945	26.108	0.069	74.537	0.4	0.04	6.8	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S01-4	S02-4	27.945	26.096	0.055	74.541	0.4	0.03	4.4	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S01-4	S02-4	27.945	26.102	0.062	81.239	0.4	0.03	5.5	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S01-4	S02-4	27.945	26.091	0.050	81.260	0.4	0.02	3.6	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S01-4	S02-4	27.945	26.095	0.054	91.894	0.4	0.03	4.2	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S01-4	S02-4	27.945	26.085	0.044	91.915	0.3	0.02	2.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S01-4	S02-4	27.945	26.088	0.047	104.235	0.4	0.02	3.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S01-4	S02-4	27.945	26.080	0.039	104.281	0.3	0.01	2.0	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S01-4	S02-4	27.945	26.085	0.043	114.165	0.3	0.02	2.6	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S01-4	S02-4	27.945	26.077	0.035	114.175	0.3	0.01	1.7	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S01-4	S02-4	27.945	26.080	0.038	131.217	0.3	0.01	2.0	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S01-4	S02-4	27.945	26.073	0.031	131.419	0.3	0.01	1.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S01-4	S02-4	27.945	26.077	0.035	146.324	0.3	0.01	1.7	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S01-4	S02-4	27.945	26.071	0.029	146.437	0.3	0.01	1.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S01-4	S02-4	27.945	26.075	0.033	160.082	0.3	0.01	1.5	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S01-4	S02-4	27.945	26.070	0.027	159.936	0.2	0.01	0.9	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S01-4	S02-4	27.945	26.074	0.031	172.760	0.3	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S01-4	S02-4	27.945	26.068	0.025	172.848	0.2	0.01	0.8	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S01-4	S02-4	27.945	26.073	0.030	186.014	0.3	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S01-4	S02-4	27.945	26.068	0.025	185.922	0.2	0	0.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.007-4: 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	S07-4	27.850	25.563	0.164	6.551	0.4	0.14	5.3	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Tank	S07-4	27.850	25.563	0.164	6.568	0.4	0.14	5.3	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Tank	S07-4	27.850	25.594	0.195	14.594	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Tank	S07-4	27.850	25.594	0.195	14.650	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	Tank	S07-4	27.850	25.626	0.225	30.827	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	Tank	S07-4	27.850	25.626	0.225	31.095	0.3	0.15	5.5	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	Tank	S07-4	27.850	25.671	0.225	64.789	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	Tank	S07-4	27.850	25.670	0.225	65.351	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	Tank	S07-4	27.850	25.696	0.225	99.307	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	Tank	S07-4	27.850	25.696	0.225	100.071	0.3	0.15	5.6	Surcharged

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	Tank	S07-4	27.850	25.713	0.225	134.040	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	Tank	S07-4	27.850	25.713	0.225	134.974	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	Tank	S07-4	27.850	25.734	0.225	203.761	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	Tank	S07-4	27.850	25.734	0.225	205.005	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	Tank	S07-4	27.850	25.745	0.225	273.549	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	Tank	S07-4	27.850	25.746	0.225	275.093	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	Tank	S07-4	27.850	25.751	0.225	343.070	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	Tank	S07-4	27.850	25.752	0.225	344.915	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	Tank	S07-4	27.850	25.755	0.225	411.967	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	Tank	S07-4	27.850	25.756	0.225	414.143	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	Tank	S07-4	27.850	25.759	0.225	545.954	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	Tank	S07-4	27.850	25.757	0.225	548.742	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Tank	S07-4	27.850	25.761	0.225	731.229	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	Tank	S07-4	27.850	25.755	0.225	731.852	0.3	0.15	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	Tank	S07-4	27.850	25.754	0.225	851.196	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	Tank	S07-4	27.850	25.739	0.225	851.644	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	Tank	S07-4	27.850	25.744	0.225	940.193	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	Tank	S07-4	27.850	25.719	0.225	940.242	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	Tank	S07-4	27.850	25.723	0.225	1085.700	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	Tank	S07-4	27.850	25.680	0.225	1085.278	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	Tank	S07-4	27.850	25.703	0.225	1210.504	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	Tank	S07-4	27.850	25.645	0.225	1210.666	0.3	0.15	5.5	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	Tank	S07-4	27.850	25.686	0.225	1325.516	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	Tank	S07-4	27.850	25.616	0.217	1324.940	0.3	0.15	5.4	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	Tank	S07-4	27.850	25.670	0.225	1435.930	0.3	0.15	5.5	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	Tank	S07-4	27.850	25.592	0.193	1434.433	0.3	0.14	5.3	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	Tank	S07-4	27.850	25.656	0.225	1540.409	0.3	0.15	5.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	Tank	S07-4	27.850	25.572	0.173	1538.395	0.3	0.14	5.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S-19-4	S02-4	26.950	26.419	0.068	4.863	0.9	0.11	10.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.417	0.066	4.901	0.9	0.1	9.9	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.406	0.056	6.282	0.8	0.07	7.3	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.405	0.054	6.288	0.8	0.07	6.8	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.402	0.052	7.800	0.8	0.06	6.2	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.397	0.046	7.800	0.7	0.05	5.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.396	0.045	10.062	0.7	0.05	4.8	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.389	0.039	10.067	0.6	0.04	3.4	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.391	0.041	11.555	0.7	0.04	3.9	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.384	0.034	11.543	0.6	0.03	2.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.388	0.038	12.689	0.6	0.03	3.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.381	0.031	12.677	0.6	0.02	2.2	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.384	0.033	14.423	0.6	0.03	2.5	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.378	0.027	14.441	0.5	0.02	1.7	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.381	0.031	15.767	0.6	0.02	2.1	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.375	0.025	15.749	0.5	0.01	1.4	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.379	0.029	16.853	0.5	0.02	1.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.373	0.023	16.889	0.5	0.01	1.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.377	0.027	17.813	0.5	0.02	1.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.372	0.022	17.819	0.4	0.01	1.0	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.375	0.024	19.409	0.5	0.01	1.3	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.370	0.020	19.427	0.4	0.01	0.9	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.372	0.021	21.947	0.4	0.01	1.0	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.368	0.017	21.917	0.4	0.01	0.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.369	0.019	24.911	0.4	0.01	0.8	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.365	0.015	24.983	0.4	0.01	0.5	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.367	0.017	27.347	0.4	0.01	0.6	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.364	0.014	27.293	0.3	0	0.4	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.365	0.015	31.265	0.4	0	0.5	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.363	0.012	31.355	0.3	0	0.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.364	0.014	34.781	0.3	0	0.4	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.362	0.011	35.039	0.3	0	0.3	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.363	0.013	38.183	0.3	0	0.3	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.361	0.010	38.189	0.3	0	0.2	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.363	0.012	41.669	0.3	0	0.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.360	0.010	42.059	0.3	0	0.2	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.362	0.012	44.279	0.3	0	0.3	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.360	0.009	44.027	0.3	0	0.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.008 - 4: 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	S07-4	EX	27.633	25.559	0.037	5.842	1.2	0.06	5.2	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S07-4	EX	27.633	25.559	0.037	5.859	1.2	0.06	5.2	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S07-4	EX	27.633	25.591	0.038	13.820	1.2	0.06	5.3	Surcharged
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S07-4	EX	27.633	25.591	0.038	13.876	1.2	0.06	5.3	Surcharged
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S07-4	EX	27.633	25.622	0.038	30.006	1.2	0.06	5.4	Surcharged
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S07-4	EX	27.633	25.622	0.038	30.274	1.2	0.06	5.4	Surcharged
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S07-4	EX	27.633	25.667	0.039	63.924	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S07-4	EX	27.633	25.667	0.039	64.487	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S07-4	EX	27.633	25.693	0.039	98.426	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S07-4	EX	27.633	25.693	0.039	99.191	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S07-4	EX	27.633	25.710	0.039	133.155	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S07-4	EX	27.633	25.710	0.039	134.091	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S07-4	EX	27.633	25.730	0.039	202.887	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S07-4	EX	27.633	25.731	0.039	204.131	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S07-4	EX	27.633	25.742	0.039	272.697	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S07-4	EX	27.633	25.743	0.039	274.242	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S07-4	EX	27.633	25.748	0.039	342.249	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S07-4	EX	27.633	25.749	0.039	344.096	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S07-4	EX	27.633	25.752	0.039	411.194	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S07-4	EX	27.633	25.752	0.039	413.373	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S07-4	EX	27.633	25.756	0.039	545.331	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S07-4	EX	27.633	25.754	0.039	548.125	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S07-4	EX	27.633	25.757	0.039	731.082	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S07-4	EX	27.633	25.751	0.039	731.709	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S07-4	EX	27.633	25.751	0.039	851.146	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S07-4	EX	27.633	25.736	0.039	851.595	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S07-4	EX	27.633	25.741	0.039	940.164	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S07-4	EX	27.633	25.716	0.039	940.213	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S07-4	EX	27.633	25.720	0.039	1085.691	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S07-4	EX	27.633	25.677	0.039	1085.270	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S07-4	EX	27.633	25.700	0.039	1210.500	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S07-4	EX	27.633	25.642	0.039	1210.661	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S07-4	EX	27.633	25.683	0.039	1325.513	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S07-4	EX	27.633	25.613	0.038	1324.937	1.2	0.06	5.4	Surcharged
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S07-4	EX	27.633	25.667	0.039	1435.927	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S07-4	EX	27.633	25.588	0.038	1434.431	1.2	0.06	5.3	Surcharged
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S07-4	EX	27.633	25.653	0.039	1540.407	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S07-4	EX	27.633	25.568	0.038	1538.393	1.2	0.06	5.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.003-4: 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	S03-4	S04-4	27.908	26.147	0.306	57.119	1.0	0.49	111.8	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S03-4	S04-4	27.908	26.137	0.294	57.143	1.0	0.47	106.3	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S03-4	S04-4	27.908	26.098	0.249	73.330	0.9	0.37	84.6	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S03-4	S04-4	27.908	26.089	0.239	73.354	0.9	0.35	79.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S03-4	S04-4	27.908	26.078	0.226	91.018	0.9	0.32	72.8	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S03-4	S04-4	27.908	26.057	0.200	91.006	0.9	0.26	58.6	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S03-4	S04-4	27.908	26.053	0.195	117.486	0.8	0.24	55.8	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S03-4	S04-4	27.908	26.029	0.163	117.509	0.8	0.18	40.1	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S03-4	S04-4	27.908	26.037	0.174	134.874	0.8	0.2	45.2	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S03-4	S04-4	27.908	26.014	0.143	134.837	0.7	0.14	31.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S03-4	S04-4	27.908	26.026	0.159	148.123	0.8	0.17	38.4	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S03-4	S04-4	27.908	26.004	0.130	148.105	0.7	0.11	25.8	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S03-4	S04-4	27.908	26.011	0.140	168.268	0.7	0.13	29.8	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S03-4	S04-4	27.908	25.991	0.113	168.298	0.6	0.09	19.6	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S03-4	S04-4	27.908	26.002	0.128	183.934	0.7	0.11	25.0	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S03-4	S04-4	27.908	25.983	0.102	183.934	0.6	0.07	16.1	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S03-4	S04-4	27.908	25.995	0.118	196.900	0.6	0.09	21.4	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S03-4	S04-4	27.908	25.977	0.094	196.897	0.6	0.06	13.8	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S03-4	S04-4	27.908	25.989	0.110	208.107	0.6	0.08	18.9	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S03-4	S04-4	27.908	25.972	0.089	208.155	0.6	0.05	12.2	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S03-4	S04-4	27.908	25.981	0.100	226.850	0.6	0.07	15.4	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S03-4	S04-4	27.908	25.966	0.080	226.856	0.5	0.04	10.0	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S03-4	S04-4	27.908	25.971	0.087	256.602	0.5	0.05	11.6	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S03-4	S04-4	27.908	25.958	0.070	256.661	0.5	0.03	7.5	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S03-4	S04-4	27.908	25.962	0.076	290.853	0.5	0.04	8.8	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S03-4	S04-4	27.908	25.951	0.061	291.024	0.4	0.02	5.7	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S03-4	S04-4	27.908	25.957	0.069	319.021	0.5	0.03	7.2	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S03-4	S04-4	27.908	25.947	0.056	318.815	0.4	0.02	4.7	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S03-4	S04-4	27.908	25.951	0.060	366.251	0.4	0.02	5.5	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S03-4	S04-4	27.908	25.942	0.049	366.329	0.4	0.02	3.6	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S03-4	S04-4	27.908	25.947	0.055	408.047	0.4	0.02	4.6	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S03-4	S04-4	27.908	25.939	0.045	408.401	0.4	0.01	3.0	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S03-4	S04-4	27.908	25.944	0.052	446.573	0.4	0.02	4.0	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S03-4	S04-4	27.908	25.936	0.042	446.537	0.3	0.01	2.6	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S03-4	S04-4	27.908	25.942	0.050	483.689	0.4	0.02	3.7	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S03-4	S04-4	27.908	25.935	0.040	483.359	0.3	0.01	2.3	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S03-4	S04-4	27.908	25.940	0.048	518.681	0.4	0.01	3.4	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S03-4	S04-4	27.908	25.934	0.039	517.961	0.3	0.01	2.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-4,002-4: 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	S14-4	S13-4	27.975	26.647	0.136	20.997	1.2	0.22	43.6	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S14-4	S13-4	27.975	26.644	0.132	20.994	1.2	0.21	41.1	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S14-4	S13-4	27.975	26.628	0.119	26.894	1.1	0.15	31.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S14-4	S13-4	27.975	26.625	0.116	26.892	1.0	0.15	29.1	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S14-4	S13-4	27.975	26.621	0.110	33.336	1.0	0.13	26.6	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S14-4	S13-4	27.975	26.611	0.099	33.325	0.9	0.11	21.4	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S14-4	S13-4	27.975	26.609	0.096	43.007	0.9	0.1	20.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S14-4	S13-4	27.975	26.597	0.082	43.008	0.8	0.07	14.7	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S14-4	S13-4	27.975	26.601	0.087	49.370	0.9	0.08	16.5	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S14-4	S13-4	27.975	26.589	0.072	49.338	0.8	0.06	11.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S14-4	S13-4	27.975	26.595	0.080	54.212	0.8	0.07	14.0	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S14-4	S13-4	27.975	26.584	0.066	54.224	0.7	0.05	9.4	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S14-4	S13-4	27.975	26.588	0.071	61.569	0.8	0.05	10.9	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S14-4	S13-4	27.975	26.577	0.058	61.558	0.7	0.04	7.2	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S14-4	S13-4	27.975	26.583	0.065	67.321	0.7	0.05	9.1	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S14-4	S13-4	27.975	26.572	0.053	67.292	0.6	0.03	5.9	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S14-4	S13-4	27.975	26.579	0.061	72.066	0.7	0.04	7.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S14-4	S13-4	27.975	26.569	0.049	72.030	0.6	0.03	5.1	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S14-4	S13-4	27.975	26.576	0.057	76.133	0.7	0.03	6.9	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S14-4	S13-4	27.975	26.567	0.046	76.157	0.6	0.02	4.5	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S14-4	S13-4	27.975	26.572	0.052	83.067	0.6	0.03	5.6	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S14-4	S13-4	27.975	26.563	0.042	82.995	0.5	0.02	3.6	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S14-4	S13-4	27.975	26.566	0.045	93.877	0.6	0.02	4.3	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S14-4	S13-4	27.975	26.559	0.037	93.848	0.5	0.01	2.8	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S14-4	S13-4	27.975	26.561	0.040	106.482	0.5	0.02	3.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S14-4	S13-4	27.975	26.555	0.032	106.483	0.5	0.01	2.1	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S14-4	S13-4	27.975	26.559	0.036	116.724	0.5	0.01	2.7	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S14-4	S13-4	27.975	26.553	0.029	116.851	0.4	0.01	1.7	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S14-4	S13-4	27.975	26.555	0.032	134.213	0.4	0.01	2.0	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S14-4	S13-4	27.975	26.550	0.026	134.053	0.4	0.01	1.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S14-4	S13-4	27.975	26.553	0.029	149.393	0.4	0.01	1.7	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S14-4	S13-4	27.975	26.548	0.024	149.107	0.4	0.01	1.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S14-4	S13-4	27.975	26.551	0.028	164.147	0.4	0.01	1.5	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S14-4	S13-4	27.975	26.547	0.022	163.717	0.4	0	1.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S14-4	S13-4	27.975	26.550	0.026	177.689	0.4	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S14-4	S13-4	27.975	26.546	0.021	176.767	0.3	0	0.9	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S14-4	S13-4	27.975	26.549	0.025	190.751	0.4	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S14-4	S13-4	27.975	26.546	0.021	189.787	0.3	0	0.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-4.001-4: 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	S13-4	S12-4	27.975	26.004	0.131	20.800	1.0	0.32	35.6	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S13-4	S12-4	27.975	26.000	0.128	20.794	1.0	0.31	34.0	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S13-4	S12-4	27.975	25.990	0.119	26.805	1.0	0.28	31.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S13-4	S12-4	27.975	25.985	0.115	26.805	1.0	0.26	29.0	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S13-4	S12-4	27.975	25.979	0.110	33.282	1.0	0.24	26.6	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S13-4	S12-4	27.975	25.966	0.098	33.275	0.9	0.19	21.4	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S13-4	S12-4	27.975	25.963	0.096	42.993	0.9	0.18	20.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S13-4	S12-4	27.975	25.946	0.080	43.000	0.9	0.13	14.7	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S13-4	S12-4	27.975	25.952	0.084	49.390	0.9	0.15	16.5	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S13-4	S12-4	27.975	25.935	0.069	49.366	0.8	0.1	11.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S13-4	S12-4	27.975	25.944	0.077	54.253	0.9	0.13	14.0	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S13-4	S12-4	27.975	25.928	0.063	54.274	0.8	0.09	9.4	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S13-4	S12-4	27.975	25.933	0.068	61.635	0.8	0.1	10.9	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S13-4	S12-4	27.975	25.918	0.060	61.631	0.7	0.07	7.2	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S13-4	S12-4	27.975	25.926	0.063	67.400	0.8	0.08	9.1	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S13-4	S12-4	27.975	25.912	0.065	67.375	0.7	0.05	5.9	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S13-4	S12-4	27.975	25.921	0.066	72.151	0.7	0.07	7.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S13-4	S12-4	27.975	25.908	0.067	72.118	0.6	0.05	5.1	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S13-4	S12-4	27.975	25.917	0.068	76.221	0.7	0.06	6.9	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S13-4	S12-4	27.975	25.904	0.068	76.247	0.6	0.04	4.5	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S13-4	S12-4	27.975	25.911	0.070	83.155	0.7	0.05	5.6	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S13-4	S12-4	27.975	25.899	0.070	83.083	0.6	0.03	3.6	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S13-4	S12-4	27.975	25.903	0.071	93.958	0.6	0.04	4.3	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S13-4	S12-4	27.975	25.893	0.068	93.925	0.5	0.02	2.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S13-4	S12-4	27.975	25.897	0.068	106.540	0.6	0.03	3.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S13-4	S12-4	27.975	25.888	0.060	106.535	0.5	0.02	2.1	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S13-4	S12-4	27.975	25.893	0.063	116.756	0.5	0.02	2.6	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S13-4	S12-4	27.975	25.885	0.050	116.873	0.5	0.02	1.7	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S13-4	S12-4	27.975	25.888	0.052	134.233	0.5	0.02	2.0	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S13-4	S12-4	27.975	25.881	0.031	134.059	0.4	0.01	1.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S13-4	S12-4	27.975	25.885	0.042	149.403	0.5	0.02	1.7	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S13-4	S12-4	27.975	25.878	0.022	149.105	0.4	0.01	1.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S13-4	S12-4	27.975	25.883	0.034	164.149	0.4	0.01	1.5	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S13-4	S12-4	27.975	25.877	0.021	163.715	0.4	0.01	1.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S13-4	S12-4	27.975	25.881	0.026	177.687	0.4	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S13-4	S12-4	27.975	25.875	0.020	176.765	0.4	0.01	0.9	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S13-4	S12-4	27.975	25.880	0.024	190.746	0.4	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S13-4	S12-4	27.975	25.874	0.019	189.785	0.4	0.01	0.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-4.003-4: 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	S15-4	S14-4	27.970	27.056	0.119	19.903	1.5	0.2	44.6	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S15-4	S14-4	27.970	27.052	0.115	19.903	1.5	0.19	41.9	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S15-4	S14-4	27.970	27.031	0.096	25.508	1.3	0.13	29.4	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S15-4	S14-4	27.970	27.027	0.093	25.507	1.3	0.12	27.6	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S15-4	S14-4	27.970	27.023	0.089	31.636	1.3	0.11	25.3	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S15-4	S14-4	27.970	27.014	0.080	31.641	1.2	0.09	20.4	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S15-4	S14-4	27.970	27.012	0.078	40.844	1.2	0.09	19.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S15-4	S14-4	27.970	27.001	0.066	40.854	1.1	0.06	14.0	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S15-4	S14-4	27.970	27.005	0.070	46.887	1.1	0.07	15.7	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S15-4	S14-4	27.970	26.993	0.058	46.870	1.0	0.05	10.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S15-4	S14-4	27.970	26.999	0.064	51.492	1.1	0.06	13.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S15-4	S14-4	27.970	26.988	0.053	51.490	0.9	0.04	9.0	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S15-4	S14-4	27.970	26.992	0.057	58.499	1.0	0.05	10.4	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S15-4	S14-4	27.970	26.982	0.046	58.497	0.9	0.03	6.8	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S15-4	S14-4	27.970	26.987	0.052	63.946	0.9	0.04	8.7	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S15-4	S14-4	27.970	26.977	0.042	63.938	0.8	0.03	5.6	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S15-4	S14-4	27.970	26.983	0.048	68.470	0.9	0.03	7.5	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S15-4	S14-4	27.970	26.975	0.039	68.456	0.8	0.02	4.8	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S15-4	S14-4	27.970	26.981	0.045	72.346	0.9	0.03	6.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S15-4	S14-4	27.970	26.972	0.037	72.350	0.8	0.02	4.2	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S15-4	S14-4	27.970	26.977	0.041	78.898	0.8	0.02	5.4	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S15-4	S14-4	27.970	26.969	0.034	78.871	0.7	0.02	3.5	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S15-4	S14-4	27.970	26.972	0.036	89.211	0.7	0.02	4.1	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S15-4	S14-4	27.970	26.965	0.029	89.197	0.7	0.01	2.6	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S15-4	S14-4	27.970	26.967	0.032	101.175	0.7	0.01	3.1	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S15-4	S14-4	27.970	26.962	0.026	101.149	0.6	0.01	2.0	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S15-4	S14-4	27.970	26.965	0.029	111.014	0.6	0.01	2.5	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S15-4	S14-4	27.970	26.960	0.024	110.971	0.6	0.01	1.6	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S15-4	S14-4	27.970	26.961	0.025	127.616	0.6	0.01	1.9	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S15-4	S14-4	27.970	26.957	0.021	127.476	0.5	0.01	1.2	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S15-4	S14-4	27.970	26.960	0.023	141.848	0.6	0.01	1.6	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S15-4	S14-4	27.970	26.955	0.019	141.708	0.5	0	1.0	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S15-4	S14-4	27.970	26.958	0.022	155.510	0.5	0.01	1.4	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S15-4	S14-4	27.970	26.954	0.018	155.256	0.5	0	0.9	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S15-4	S14-4	27.970	26.957	0.021	167.947	0.5	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S15-4	S14-4	27.970	26.953	0.017	167.544	0.5	0	0.8	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S15-4	S14-4	27.970	26.956	0.020	180.103	0.5	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S15-4	S14-4	27.970	26.953	0.016	179.748	0.4	0	0.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-5.000-4: 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	S16-4	Tank	28.087	26.542	0.232	58.677	1.9	0.61	133.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S16-4	Tank	28.087	26.531	0.223	58.680	1.8	0.57	125.4	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S16-4	Tank	28.087	26.480	0.178	75.246	1.7	0.39	86.9	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S16-4	Tank	28.087	26.472	0.171	75.246	1.7	0.37	81.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S16-4	Tank	28.087	26.463	0.163	93.354	1.6	0.34	74.7	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S16-4	Tank	28.087	26.442	0.144	93.354	1.5	0.27	60.1	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S16-4	Tank	28.087	26.437	0.140	120.546	1.5	0.26	57.2	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S16-4	Tank	28.087	26.412	0.117	120.534	1.4	0.19	41.2	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S16-4	Tank	28.087	26.420	0.125	138.348	1.4	0.21	46.3	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S16-4	Tank	28.087	26.395	0.102	138.348	1.3	0.14	31.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S16-4	Tank	28.087	26.408	0.114	151.938	1.4	0.18	39.4	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S16-4	Tank	28.087	26.384	0.092	151.956	1.3	0.12	26.5	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S16-4	Tank	28.087	26.392	0.100	172.602	1.3	0.14	30.6	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S16-4	Tank	28.087	26.371	0.080	172.596	1.2	0.09	20.1	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S16-4	Tank	28.087	26.383	0.091	188.676	1.2	0.12	25.6	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S16-4	Tank	28.087	26.363	0.072	188.670	1.1	0.08	16.6	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S16-4	Tank	28.087	26.375	0.084	202.014	1.2	0.1	22.0	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S16-4	Tank	28.087	26.357	0.067	202.014	1.1	0.06	14.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S16-4	Tank	28.087	26.369	0.079	213.504	1.2	0.09	19.4	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S16-4	Tank	28.087	26.352	0.063	213.474	1.0	0.06	12.5	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S16-4	Tank	28.087	26.361	0.071	232.698	1.1	0.07	15.8	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S16-4	Tank	28.087	26.346	0.057	232.746	1.0	0.05	10.2	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S16-4	Tank	28.087	26.351	0.061	263.352	1.0	0.05	11.9	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S16-4	Tank	28.087	26.338	0.049	263.333	0.9	0.03	7.7	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S16-4	Tank	28.087	26.342	0.053	298.476	0.9	0.04	9.0	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S16-4	Tank	28.087	26.331	0.043	298.470	0.8	0.03	5.8	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S16-4	Tank	28.087	26.337	0.048	327.348	0.9	0.03	7.4	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S16-4	Tank	28.087	26.327	0.039	327.240	0.8	0.02	4.8	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S16-4	Tank	28.087	26.330	0.042	376.355	0.8	0.03	5.7	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S16-4	Tank	28.087	26.322	0.034	376.320	0.7	0.02	3.7	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S16-4	Tank	28.087	26.327	0.039	418.674	0.8	0.02	4.8	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S16-4	Tank	28.087	26.319	0.031	418.997	0.7	0.01	3.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S16-4	Tank	28.087	26.324	0.036	458.112	0.8	0.02	4.2	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S16-4	Tank	28.087	26.317	0.029	458.094	0.7	0.01	2.7	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S16-4	Tank	28.087	26.322	0.034	495.678	0.7	0.02	3.8	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S16-4	Tank	28.087	26.315	0.028	496.098	0.6	0.01	2.4	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S16-4	Tank	28.087	26.321	0.033	531.960	0.7	0.02	3.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S16-4	Tank	28.087	26.314	0.027	531.612	0.6	0.01	2.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.006-4 : 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	Full Retention oil Interceptor	Tank	27.943	25.973	0.214	175.581	4.6	0.66	311.4	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.964	0.214	175.555	4.5	0.63	297.1	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.947	0.232	228.261	4.2	0.55	259.6	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.937	0.228	228.280	4.0	0.52	244.5	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.930	0.259	284.604	3.3	0.48	226.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 60 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.900	0.259	284.575	3.1	0.39	183.7	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.887	0.314	333.564	2.6	0.34	159.0	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.871	0.314	333.579	2.6	0.24	114.6	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.904	0.347	366.689	2.4	0.26	123.5	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.904	0.347	366.708	2.4	0.18	85.4	OK
FEH: 30 years: +0 %: 240 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.927	0.370	392.490	2.3	0.22	102.2	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.927	0.370	392.448	2.2	0.15	69.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 360 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.956	0.399	432.199	2.0	0.16	77.6	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.957	0.400	432.180	2.0	0.11	50.8	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.975	0.418	463.578	1.9	0.13	63.7	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.976	0.419	463.624	1.8	0.09	41.1	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.988	0.431	490.125	1.8	0.11	54.1	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.989	0.432	490.149	1.7	0.07	34.6	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.996	0.439	513.383	1.7	0.1	46.4	OK

FEH: 30 years: +0 %: 720 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.998	0.441	513.379	1.6	0.06	30.1	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.004	0.447	553.033	1.6	0.08	38.1	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.006	0.449	553.096	1.5	0.05	24.3	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.003	0.446	616.857	1.5	0.06	27.8	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.005	0.448	616.800	1.3	0.04	17.8	OK
FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.993	0.436	687.687	1.4	0.04	20.8	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.988	0.431	687.675	1.1	0.03	13.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.981	0.424	745.288	1.3	0.04	16.7	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.969	0.411	745.583	1.0	0.02	10.8	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.957	0.400	840.947	1.2	0.03	12.6	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.924	0.367	840.770	0.9	0.02	8.1	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.934	0.377	923.030	1.1	0.02	10.4	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.879	0.322	922.758	0.9	0.01	6.7	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.913	0.356	998.182	1.1	0.02	9.1	OK

FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.837	0.280	998.012	0.8	0.01	5.9	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.893	0.336	1069.014	1.0	0.02	8.1	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.798	0.241	1067.901	0.7	0.01	5.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.875	0.318	1137.155	1.0	0.02	7.4	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.764	0.207	1138.010	0.7	0.01	4.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-4.000-4: 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	S12-4	Tank	27.975	25.801	0.165	46.836	2.6	0.3	82.3	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S12-4	Tank	27.975	25.796	0.163	46.833	2.5	0.29	78.6	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S12-4	Tank	27.975	25.793	0.201	60.588	2.2	0.26	70.2	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S12-4	Tank	27.975	25.788	0.201	60.586	2.1	0.24	65.9	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S12-4	Tank	27.975	25.816	0.271	75.203	1.7	0.23	61.0	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S12-4	Tank	27.975	25.816	0.271	75.213	1.7	0.19	50.3	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S12-4	Tank	27.975	25.871	0.326	88.019	1.5	0.16	43.8	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S12-4	Tank	27.975	25.871	0.326	88.039	1.5	0.11	31.0	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S12-4	Tank	27.975	25.904	0.359	96.606	1.3	0.12	33.4	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S12-4	Tank	27.975	25.904	0.359	96.597	1.4	0.09	23.0	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S12-4	Tank	27.975	25.927	0.375	103.294	1.3	0.1	26.5	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S12-4	Tank	27.975	25.927	0.375	103.270	1.3	0.07	18.2	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S12-4	Tank	27.975	25.956	0.375	113.850	1.2	0.07	19.8	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S12-4	Tank	27.975	25.957	0.375	113.836	1.1	0.05	13.2	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S12-4	Tank	27.975	25.975	0.375	122.442	1.1	0.06	16.3	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S12-4	Tank	27.975	25.976	0.375	122.449	1.0	0.04	10.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S12-4	Tank	27.975	25.988	0.375	129.883	1.1	0.05	13.6	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S12-4	Tank	27.975	25.989	0.375	129.874	1.0	0.03	8.8	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S12-4	Tank	27.975	25.996	0.375	136.384	1.0	0.04	11.8	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S12-4	Tank	27.975	25.998	0.375	136.309	0.9	0.03	7.6	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S12-4	Tank	27.975	26.004	0.375	147.394	1.0	0.04	9.5	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S12-4	Tank	27.975	26.006	0.375	147.418	0.8	0.02	6.2	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S12-4	Tank	27.975	26.003	0.375	165.432	0.9	0.03	7.1	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S12-4	Tank	27.975	26.005	0.375	165.553	0.7	0.02	4.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S12-4	Tank	27.975	25.993	0.375	184.873	0.8	0.02	5.3	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S12-4	Tank	27.975	25.988	0.375	184.896	0.6	0.01	3.4	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S12-4	Tank	27.975	25.981	0.375	200.262	0.8	0.02	4.3	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S12-4	Tank	27.975	25.968	0.375	200.321	0.6	0.01	2.8	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S12-4	Tank	27.975	25.957	0.375	226.001	0.7	0.01	3.3	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S12-4	Tank	27.975	25.924	0.375	226.198	0.5	0.01	2.1	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S12-4	Tank	27.975	25.934	0.375	247.882	0.6	0.01	2.7	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S12-4	Tank	27.975	25.878	0.333	247.804	0.5	0.01	1.8	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S12-4	Tank	27.975	25.913	0.368	268.023	0.6	0.01	2.4	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S12-4	Tank	27.975	25.837	0.292	267.841	0.4	0.01	1.6	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S12-4	Tank	27.975	25.893	0.348	287.064	0.6	0.01	2.1	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S12-4	Tank	27.975	25.798	0.253	287.219	0.4	0.01	1.4	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S12-4	Tank	27.975	25.875	0.330	305.886	0.6	0.01	2.0	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S12-4	Tank	27.975	25.764	0.219	306.143	0.4	0	1.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S04-4	S05-4	27.886	26.366	0.450	169.550	2.0	2	315.6	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S04-4	S05-4	27.886	26.289	0.450	169.524	1.9	1.88	295.3	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S04-4	S05-4	27.886	26.204	0.450	221.051	1.6	1.6	251.5	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S04-4	S05-4	27.886	26.178	0.431	221.063	1.5	1.5	236.6	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S04-4	S05-4	27.886	26.151	0.409	276.244	1.4	1.39	219.5	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S04-4	S05-4	27.886	26.085	0.353	276.223	1.3	1.13	177.8	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S04-4	S05-4	27.886	26.052	0.325	324.095	1.3	0.98	154.1	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S04-4	S05-4	27.886	25.988	0.268	324.122	1.1	0.7	111.0	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S04-4	S05-4	27.886	26.003	0.281	356.348	1.1	0.76	119.7	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S04-4	S05-4	27.886	25.945	0.228	356.363	1.0	0.52	82.5	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S04-4	S05-4	27.886	25.973	0.254	381.416	1.1	0.63	99.0	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S04-4	S05-4	27.886	25.927	0.232	381.366	1.0	0.42	66.8	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S04-4	S05-4	27.886	25.956	0.261	419.800	1.0	0.47	74.7	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S04-4	S05-4	27.886	25.957	0.262	419.791	0.9	0.31	49.2	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S04-4	S05-4	27.886	25.975	0.280	450.013	1.0	0.39	61.3	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S04-4	S05-4	27.886	25.976	0.281	450.034	0.9	0.25	39.7	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S04-4	S05-4	27.886	25.988	0.293	475.449	0.9	0.33	51.3	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S04-4	S05-4	27.886	25.989	0.294	475.502	0.8	0.21	33.4	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S04-4	S05-4	27.886	25.996	0.301	497.689	0.9	0.29	45.4	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S04-4	S05-4	27.886	25.998	0.303	497.676	0.8	0.19	29.1	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S04-4	S05-4	27.886	26.004	0.309	535.358	0.8	0.23	36.4	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S04-4	S05-4	27.886	26.006	0.311	535.379	0.7	0.15	23.5	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S04-4	S05-4	27.886	26.003	0.308	595.639	0.8	0.17	27.0	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S04-4	S05-4	27.886	26.006	0.311	595.527	0.7	0.11	17.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S04-4	S05-4	27.886	25.993	0.298	663.846	0.7	0.13	20.1	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S04-4	S05-4	27.886	25.988	0.293	663.845	0.6	0.08	13.0	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S04-4	S05-4	27.886	25.981	0.286	719.423	0.6	0.1	16.3	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S04-4	S05-4	27.886	25.969	0.274	719.680	0.6	0.07	10.5	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S04-4	S05-4	27.886	25.957	0.262	811.786	0.6	0.08	12.3	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S04-4	S05-4	27.886	25.924	0.229	811.713	0.5	0.05	7.9	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S04-4	S05-4	27.886	25.934	0.239	891.212	0.6	0.06	10.1	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S04-4	S05-4	27.886	25.879	0.184	890.827	0.5	0.04	6.5	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S04-4	S05-4	27.886	25.913	0.218	963.440	0.5	0.06	8.7	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S04-4	S05-4	27.886	25.837	0.142	962.941	0.5	0.04	5.7	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S04-4	S05-4	27.886	25.894	0.198	1032.079	0.5	0.05	7.8	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S04-4	S05-4	27.886	25.799	0.104	1031.178	0.4	0.03	5.0	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S04-4	S05-4	27.886	25.875	0.180	1098.055	0.5	0.05	7.1	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S04-4	S05-4	27.886	25.768	0.072	1098.564	0.4	0.03	4.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.005-4 : 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	S05-4	Full Retention oil Interceptor	27.792	26.221	0.420	175.600	2.1	2	318.5	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.161	0.386	175.575	2.1	1.91	303.6	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.092	0.343	228.821	2.0	1.64	260.4	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.074	0.329	228.847	2.0	1.54	245.0	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.058	0.318	285.803	1.9	1.43	227.3	OK

FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.011	0.279	285.782	1.8	1.16	184.1	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.987	0.261	335.221	1.7	1	159.5	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.937	0.217	335.228	1.6	0.72	114.9	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.949	0.229	368.548	1.6	0.78	123.9	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.904	0.227	368.559	1.5	0.54	85.4	OK
FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.926	0.250	394.465	1.5	0.64	102.5	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.927	0.250	394.356	1.5	0.43	69.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.956	0.280	434.198	1.5	0.49	77.4	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.957	0.281	434.087	1.4	0.32	51.6	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.975	0.299	465.484	1.5	0.4	63.5	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.976	0.300	465.492	1.3	0.26	42.1	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.988	0.311	491.795	1.5	0.36	58.0	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.989	0.313	491.960	1.3	0.22	34.6	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.996	0.320	514.939	1.4	0.31	49.5	OK

FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.998	0.321	515.005	1.2	0.19	30.1	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.004	0.327	554.216	1.3	0.24	37.6	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.006	0.330	554.268	1.1	0.15	24.3	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.003	0.326	616.998	1.2	0.18	27.9	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.005	0.329	616.933	1.0	0.11	18.0	OK
FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.993	0.316	687.667	1.1	0.13	20.7	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.988	0.311	687.664	0.9	0.08	13.4	OK

FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.981	0.304	745.271	1.0	0.11	16.9	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.969	0.292	745.574	0.9	0.07	10.9	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.957	0.280	840.939	0.9	0.08	12.7	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.924	0.247	840.763	0.8	0.05	8.2	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.934	0.257	923.021	0.9	0.07	10.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.879	0.202	922.746	0.8	0.04	6.7	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.913	0.236	998.174	0.8	0.06	9.1	OK

FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.837	0.160	998.002	0.7	0.04	5.9	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.893	0.217	1069.009	0.8	0.05	8.1	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.799	0.122	1067.896	0.7	0.03	5.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.875	0.199	1137.150	0.8	0.05	7.4	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.766	0.089	1138.004	0.7	0.03	4.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.002-4: 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	S02-4	S03-4	27.946	26.616	0.450	58.232	0.7	0.53	84.6	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S02-4	S03-4	27.946	26.512	0.450	58.209	0.7	0.49	77.0	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S02-4	S03-4	27.946	26.370	0.410	75.856	0.7	0.54	84.7	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S02-4	S03-4	27.946	26.315	0.353	75.858	0.7	0.51	80.4	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S02-4	S03-4	27.946	26.271	0.310	94.950	0.7	0.47	74.8	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S02-4	S03-4	27.946	26.208	0.241	94.935	0.7	0.39	61.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S02-4	S03-4	27.946	26.184	0.214	111.487	0.7	0.33	52.9	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S02-4	S03-4	27.946	26.145	0.168	111.506	0.7	0.24	38.1	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S02-4	S03-4	27.946	26.153	0.177	122.587	0.7	0.26	41.1	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S02-4	S03-4	27.946	26.120	0.142	122.631	0.7	0.18	28.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S02-4	S03-4	27.946	26.135	0.157	131.263	0.7	0.21	34.0	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S02-4	S03-4	27.946	26.104	0.126	131.258	0.6	0.14	22.9	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S02-4	S03-4	27.946	26.112	0.134	144.461	0.6	0.16	25.6	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S02-4	S03-4	27.946	26.086	0.107	144.463	0.6	0.11	16.9	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S02-4	S03-4	27.946	26.099	0.121	154.795	0.6	0.13	21.0	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S02-4	S03-4	27.946	26.075	0.096	154.780	0.5	0.09	13.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S02-4	S03-4	27.946	26.089	0.110	163.476	0.6	0.11	17.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S02-4	S03-4	27.946	26.067	0.088	163.491	0.5	0.07	11.5	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S02-4	S03-4	27.946	26.082	0.103	171.057	0.6	0.1	15.5	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S02-4	S03-4	27.946	26.062	0.082	171.031	0.5	0.06	10.0	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S02-4	S03-4	27.946	26.071	0.092	183.831	0.5	0.08	12.5	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S02-4	S03-4	27.946	26.054	0.074	183.825	0.5	0.05	8.1	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S02-4	S03-4	27.946	26.059	0.079	204.354	0.5	0.06	9.3	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S02-4	S03-4	27.946	26.045	0.064	204.224	0.4	0.04	6.0	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S02-4	S03-4	27.946	26.049	0.068	227.637	0.5	0.04	6.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S02-4	S03-4	27.946	26.037	0.055	227.739	0.4	0.03	4.4	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S02-4	S03-4	27.946	26.043	0.062	246.580	0.4	0.04	5.6	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S02-4	S03-4	27.946	26.032	0.050	246.878	0.4	0.02	3.6	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S02-4	S03-4	27.946	26.036	0.054	278.294	0.4	0.03	4.2	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S02-4	S03-4	27.946	26.027	0.044	278.597	0.3	0.02	2.7	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S02-4	S03-4	27.946	26.032	0.049	305.890	0.4	0.02	3.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S02-4	S03-4	27.946	26.023	0.040	305.567	0.3	0.01	2.2	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S02-4	S03-4	27.946	26.028	0.046	330.400	0.4	0.02	3.0	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S02-4	S03-4	27.946	26.021	0.037	330.293	0.3	0.01	1.9	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S02-4	S03-4	27.946	26.026	0.043	353.848	0.3	0.02	2.7	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S02-4	S03-4	27.946	26.019	0.035	353.747	0.3	0.01	1.7	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S02-4	S03-4	27.946	26.025	0.041	376.792	0.3	0.02	2.4	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S02-4	S03-4	27.946	26.017	0.034	377.843	0.3	0.01	1.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4 : 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	S01-4	S02-4	27.945	26.628	0.450	40.999	0.6	0.55	86.9	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S01-4	S02-4	27.945	26.568	0.450	40.999	0.6	0.49	77.6	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S01-4	S02-4	27.945	26.385	0.362	53.461	0.6	0.38	60.9	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S01-4	S02-4	27.945	26.334	0.309	53.467	0.7	0.36	57.4	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S01-4	S02-4	27.945	26.295	0.268	66.900	0.7	0.34	53.3	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S01-4	S02-4	27.945	26.235	0.206	66.888	0.6	0.27	43.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S01-4	S02-4	27.945	26.214	0.183	78.537	0.6	0.23	37.3	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S01-4	S02-4	27.945	26.181	0.147	78.546	0.6	0.17	26.8	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S01-4	S02-4	27.945	26.187	0.155	86.365	0.6	0.18	28.9	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S01-4	S02-4	27.945	26.158	0.124	86.373	0.6	0.13	19.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S01-4	S02-4	27.945	26.172	0.138	92.441	0.6	0.15	23.9	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S01-4	S02-4	27.945	26.145	0.109	92.437	0.5	0.1	16.1	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S01-4	S02-4	27.945	26.152	0.117	101.739	0.6	0.11	18.0	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S01-4	S02-4	27.945	26.129	0.092	101.712	0.5	0.07	11.9	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S01-4	S02-4	27.945	26.140	0.104	109.016	0.5	0.09	14.8	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S01-4	S02-4	27.945	26.120	0.082	108.995	0.5	0.06	9.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S01-4	S02-4	27.945	26.132	0.095	115.123	0.5	0.08	12.5	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S01-4	S02-4	27.945	26.114	0.075	115.120	0.5	0.05	8.1	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S01-4	S02-4	27.945	26.126	0.088	120.451	0.5	0.07	10.9	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S01-4	S02-4	27.945	26.109	0.070	120.423	0.4	0.04	7.1	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S01-4	S02-4	27.945	26.117	0.079	129.451	0.5	0.06	8.8	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S01-4	S02-4	27.945	26.103	0.063	129.455	0.4	0.04	5.7	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S01-4	S02-4	27.945	26.107	0.067	143.904	0.4	0.04	6.5	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S01-4	S02-4	27.945	26.095	0.054	143.793	0.4	0.03	4.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S01-4	S02-4	27.945	26.098	0.058	160.307	0.4	0.03	4.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S01-4	S02-4	27.945	26.088	0.047	160.327	0.4	0.02	3.1	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S01-4	S02-4	27.945	26.093	0.053	173.578	0.4	0.02	3.9	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S01-4	S02-4	27.945	26.084	0.043	173.749	0.3	0.02	2.5	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S01-4	S02-4	27.945	26.087	0.046	195.909	0.3	0.02	3.0	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S01-4	S02-4	27.945	26.079	0.037	196.255	0.3	0.01	1.9	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S01-4	S02-4	27.945	26.084	0.042	215.379	0.3	0.02	2.4	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S01-4	S02-4	27.945	26.076	0.034	215.137	0.3	0.01	1.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S01-4	S02-4	27.945	26.081	0.039	232.605	0.3	0.01	2.1	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S01-4	S02-4	27.945	26.074	0.032	232.747	0.3	0.01	1.4	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S01-4	S02-4	27.945	26.079	0.037	249.236	0.3	0.01	1.9	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S01-4	S02-4	27.945	26.073	0.030	249.145	0.3	0.01	1.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S01-4	S02-4	27.945	26.078	0.036	265.022	0.3	0.01	1.7	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S01-4	S02-4	27.945	26.072	0.029	265.375	0.3	0.01	1.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.007-4: 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	S07-4	27.850	25.679	0.225	7.840	0.3	0.22	8.1	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	Tank	S07-4	27.850	25.679	0.225	7.890	0.3	0.19	6.9	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	Tank	S07-4	27.850	25.746	0.225	16.571	0.3	0.16	6.0	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	Tank	S07-4	27.850	25.746	0.225	16.670	0.4	0.16	5.9	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	Tank	S07-4	27.850	25.816	0.225	34.067	0.3	0.16	5.9	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	Tank	S07-4	27.850	25.816	0.225	34.233	0.3	0.16	5.9	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	Tank	S07-4	27.850	25.871	0.225	69.185	0.3	0.16	5.8	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	Tank	S07-4	27.850	25.871	0.225	69.402	0.3	0.16	5.7	Surcharged
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	Tank	S07-4	27.850	25.904	0.225	104.333	0.3	0.16	5.8	Surcharged
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	Tank	S07-4	27.850	25.904	0.225	104.588	0.3	0.15	5.7	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	Tank	S07-4	27.850	25.927	0.225	139.512	0.3	0.16	5.7	Surcharged
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	Tank	S07-4	27.850	25.927	0.225	139.802	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	Tank	S07-4	27.850	25.956	0.225	209.795	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	Tank	S07-4	27.850	25.957	0.225	210.173	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	Tank	S07-4	27.850	25.975	0.225	280.138	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	Tank	S07-4	27.850	25.976	0.225	280.619	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	Tank	S07-4	27.850	25.988	0.225	350.665	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	Tank	S07-4	27.850	25.989	0.225	351.296	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	Tank	S07-4	27.850	25.996	0.225	421.450	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	Tank	S07-4	27.850	25.998	0.225	422.250	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Tank	S07-4	27.850	26.004	0.225	563.808	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	Tank	S07-4	27.850	26.006	0.225	565.115	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	Tank	S07-4	27.850	26.003	0.225	850.621	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	Tank	S07-4	27.850	26.005	0.225	853.497	0.3	0.15	5.6	Surcharged

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	Tank	S07-4	27.850	25.993	0.225	1259.373	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	Tank	S07-4	27.850	25.988	0.225	1264.309	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	Tank	S07-4	27.850	25.981	0.225	1425.300	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	Tank	S07-4	27.850	25.968	0.225	1426.122	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	Tank	S07-4	27.850	25.957	0.225	1621.227	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	Tank	S07-4	27.850	25.924	0.225	1621.502	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	Tank	S07-4	27.850	25.934	0.225	1782.569	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	Tank	S07-4	27.850	25.878	0.225	1782.292	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	Tank	S07-4	27.850	25.913	0.225	1929.056	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	Tank	S07-4	27.850	25.837	0.225	1929.014	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	Tank	S07-4	27.850	25.893	0.225	2066.230	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	Tank	S07-4	27.850	25.798	0.225	2065.295	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	Tank	S07-4	27.850	25.875	0.225	2198.758	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	Tank	S07-4	27.850	25.764	0.225	2200.365	0.3	0.15	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S-19-4	S02-4	26.950	26.566	0.300	9.801	0.7	0.06	5.8	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.463	0.246	9.787	0.7	0.1	9.7	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.428	0.157	12.717	0.7	0.15	14.8	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.426	0.129	12.722	0.8	0.14	13.8	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.424	0.106	15.948	0.8	0.13	12.8	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.417	0.071	15.973	0.9	0.11	10.3	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.412	0.062	18.780	0.8	0.09	8.9	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.403	0.052	18.774	0.8	0.07	6.4	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.405	0.054	20.640	0.8	0.07	6.9	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.396	0.045	20.639	0.7	0.05	4.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.400	0.050	22.110	0.7	0.06	5.7	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.391	0.041	22.109	0.7	0.04	3.8	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.393	0.043	24.323	0.7	0.04	4.3	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.385	0.035	24.335	0.6	0.03	2.8	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.389	0.039	26.075	0.7	0.04	3.5	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.382	0.032	26.045	0.6	0.02	2.3	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.386	0.036	27.515	0.6	0.03	3.0	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.379	0.029	27.533	0.5	0.02	1.9	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.384	0.034	28.811	0.6	0.03	2.6	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.378	0.027	28.823	0.5	0.02	1.7	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.381	0.030	30.944	0.6	0.02	2.1	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.375	0.025	30.941	0.5	0.01	1.4	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.377	0.026	34.421	0.5	0.02	1.6	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.372	0.022	34.397	0.4	0.01	1.0	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.373	0.023	38.303	0.5	0.01	1.2	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.369	0.019	38.351	0.4	0.01	0.8	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.371	0.021	41.579	0.4	0.01	0.9	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.367	0.017	41.717	0.4	0.01	0.6	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.368	0.018	46.871	0.4	0.01	0.7	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.365	0.015	46.931	0.3	0	0.5	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.367	0.017	51.599	0.4	0.01	0.6	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.364	0.014	51.575	0.3	0	0.4	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.366	0.015	55.721	0.4	0.01	0.5	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.363	0.013	55.805	0.3	0	0.3	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.365	0.015	59.519	0.3	0	0.4	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.362	0.012	59.501	0.3	0	0.3	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.364	0.014	63.623	0.3	0	0.4	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.362	0.012	64.085	0.3	0	0.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.008 - 4: 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	S07-4	EX	27.633	25.675	0.039	6.923	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S07-4	EX	27.633	25.675	0.039	6.973	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S07-4	EX	27.633	25.743	0.039	15.578	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S07-4	EX	27.633	25.743	0.039	15.677	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S07-4	EX	27.633	25.813	0.039	33.003	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S07-4	EX	27.633	25.813	0.039	33.170	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S07-4	EX	27.633	25.868	0.039	68.075	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S07-4	EX	27.633	25.868	0.039	68.292	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S07-4	EX	27.633	25.901	0.039	103.201	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S07-4	EX	27.633	25.901	0.039	103.456	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S07-4	EX	27.633	25.924	0.039	138.368	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S07-4	EX	27.633	25.924	0.039	138.658	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S07-4	EX	27.633	25.953	0.039	208.646	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S07-4	EX	27.633	25.954	0.039	209.024	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S07-4	EX	27.633	25.972	0.039	278.997	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S07-4	EX	27.633	25.973	0.039	279.478	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S07-4	EX	27.633	25.985	0.039	349.539	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S07-4	EX	27.633	25.986	0.039	350.170	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S07-4	EX	27.633	25.993	0.039	420.345	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S07-4	EX	27.633	25.995	0.039	421.146	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S07-4	EX	27.633	26.001	0.039	562.756	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S07-4	EX	27.633	26.004	0.039	564.064	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S07-4	EX	27.633	26.000	0.039	849.704	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S07-4	EX	27.633	26.003	0.039	852.582	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S07-4	EX	27.633	25.990	0.039	1258.907	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S07-4	EX	27.633	25.985	0.039	1263.882	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S07-4	EX	27.633	25.978	0.039	1425.232	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S07-4	EX	27.633	25.965	0.039	1426.057	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S07-4	EX	27.633	25.954	0.039	1621.207	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S07-4	EX	27.633	25.920	0.039	1621.483	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S07-4	EX	27.633	25.931	0.039	1782.562	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S07-4	EX	27.633	25.875	0.039	1782.285	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S07-4	EX	27.633	25.910	0.039	1929.053	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S07-4	EX	27.633	25.833	0.039	1929.011	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S07-4	EX	27.633	25.890	0.039	2066.227	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S07-4	EX	27.633	25.795	0.039	2065.292	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S07-4	EX	27.633	25.872	0.039	2198.756	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S07-4	EX	27.633	25.761	0.039	2200.363	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.003-4: 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	S03-4	S04-4	27.908	26.585	0.450	114.443	1.3	0.87	199.3	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S03-4	S04-4	27.908	26.468	0.450	114.411	1.1	0.8	181.8	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S03-4	S04-4	27.908	26.340	0.450	149.212	1.1	0.74	168.5	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S03-4	S04-4	27.908	26.281	0.427	149.206	1.0	0.7	158.7	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S03-4	S04-4	27.908	26.237	0.392	186.772	1.0	0.65	147.5	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S03-4	S04-4	27.908	26.164	0.323	186.752	1.0	0.53	120.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S03-4	S04-4	27.908	26.132	0.290	219.315	1.0	0.46	104.0	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S03-4	S04-4	27.908	26.081	0.233	219.347	0.9	0.33	74.9	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S03-4	S04-4	27.908	26.091	0.245	241.214	0.9	0.35	80.8	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S03-4	S04-4	27.908	26.053	0.197	241.239	0.8	0.24	55.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S03-4	S04-4	27.908	26.068	0.218	258.195	0.9	0.29	66.9	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S03-4	S04-4	27.908	26.037	0.174	258.166	0.8	0.2	45.0	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S03-4	S04-4	27.908	26.045	0.185	284.124	0.8	0.22	50.3	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S03-4	S04-4	27.908	26.017	0.155	284.106	0.7	0.15	33.1	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S03-4	S04-4	27.908	26.031	0.174	304.436	0.8	0.18	41.3	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S03-4	S04-4	27.908	26.006	0.174	304.453	0.7	0.12	26.7	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S03-4	S04-4	27.908	26.021	0.186	321.502	0.7	0.15	35.0	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S03-4	S04-4	27.908	25.997	0.187	321.560	0.7	0.1	22.6	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S03-4	S04-4	27.908	26.013	0.194	336.389	0.7	0.13	30.5	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S03-4	S04-4	27.908	25.998	0.196	336.367	0.6	0.09	19.7	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S03-4	S04-4	27.908	26.004	0.202	361.496	0.7	0.11	24.6	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S03-4	S04-4	27.908	26.007	0.205	361.499	0.6	0.07	15.9	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S03-4	S04-4	27.908	26.003	0.201	401.718	0.6	0.08	18.2	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S03-4	S04-4	27.908	26.006	0.204	401.591	0.5	0.05	11.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S03-4	S04-4	27.908	25.993	0.191	447.731	0.6	0.06	13.6	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S03-4	S04-4	27.908	25.988	0.186	447.729	0.5	0.04	8.8	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S03-4	S04-4	27.908	25.981	0.179	485.136	0.5	0.05	11.0	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S03-4	S04-4	27.908	25.969	0.167	485.499	0.5	0.03	7.1	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S03-4	S04-4	27.908	25.961	0.155	547.241	0.5	0.04	8.3	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S03-4	S04-4	27.908	25.950	0.125	547.396	0.4	0.02	5.3	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S03-4	S04-4	27.908	25.955	0.132	601.085	0.5	0.03	6.8	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S03-4	S04-4	27.908	25.946	0.103	600.829	0.4	0.02	4.4	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S03-4	S04-4	27.908	25.952	0.120	649.679	0.4	0.03	5.9	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S03-4	S04-4	27.908	25.943	0.082	649.582	0.4	0.02	3.8	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S03-4	S04-4	27.908	25.949	0.110	695.885	0.4	0.02	5.3	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S03-4	S04-4	27.908	25.941	0.063	694.970	0.4	0.01	3.4	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S03-4	S04-4	27.908	25.947	0.101	740.401	0.4	0.02	4.8	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S03-4	S04-4	27.908	25.939	0.048	741.464	0.4	0.01	3.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-4,002-4: 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	S14-4	S13-4	27.975	26.708	0.207	41.913	1.4	0.44	88.1	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S14-4	S13-4	27.975	26.701	0.200	41.916	1.4	0.42	83.1	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S14-4	S13-4	27.975	26.673	0.176	54.660	1.3	0.31	63.0	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S14-4	S13-4	27.975	26.668	0.169	54.655	1.3	0.3	59.1	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S14-4	S13-4	27.975	26.662	0.162	68.369	1.2	0.27	54.7	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S14-4	S13-4	27.975	26.648	0.144	68.369	1.1	0.22	44.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S14-4	S13-4	27.975	26.639	0.133	80.264	1.1	0.19	38.1	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S14-4	S13-4	27.975	26.622	0.112	80.269	1.0	0.14	27.4	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S14-4	S13-4	27.975	26.626	0.117	88.288	1.0	0.15	29.6	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S14-4	S13-4	27.975	26.609	0.097	88.259	0.9	0.1	20.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S14-4	S13-4	27.975	26.617	0.106	94.497	1.0	0.12	24.5	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S14-4	S13-4	27.975	26.601	0.087	94.469	0.9	0.08	16.5	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S14-4	S13-4	27.975	26.605	0.091	103.983	0.9	0.09	18.4	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S14-4	S13-4	27.975	26.591	0.074	103.968	0.8	0.06	12.1	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S14-4	S13-4	27.975	26.598	0.082	111.436	0.8	0.08	15.1	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S14-4	S13-4	27.975	26.585	0.073	111.445	0.8	0.05	9.8	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S14-4	S13-4	27.975	26.592	0.078	117.707	0.8	0.06	12.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S14-4	S13-4	27.975	26.580	0.079	117.659	0.7	0.04	8.3	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S14-4	S13-4	27.975	26.588	0.082	123.136	0.8	0.06	11.2	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S14-4	S13-4	27.975	26.577	0.082	123.085	0.7	0.04	7.2	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S14-4	S13-4	27.975	26.582	0.085	132.311	0.7	0.04	9.0	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S14-4	S13-4	27.975	26.572	0.086	132.312	0.7	0.03	5.8	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S14-4	S13-4	27.975	26.575	0.084	147.002	0.7	0.03	6.7	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S14-4	S13-4	27.975	26.566	0.085	147.085	0.6	0.02	4.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S14-4	S13-4	27.975	26.569	0.079	163.892	0.6	0.02	5.0	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S14-4	S13-4	27.975	26.561	0.077	164.004	0.6	0.02	3.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S14-4	S13-4	27.975	26.565	0.073	177.622	0.6	0.02	4.0	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S14-4	S13-4	27.975	26.558	0.067	177.510	0.5	0.01	2.6	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S14-4	S13-4	27.975	26.561	0.061	200.361	0.5	0.02	3.0	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S14-4	S13-4	27.975	26.555	0.045	200.640	0.5	0.01	2.0	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S14-4	S13-4	27.975	26.558	0.050	219.673	0.5	0.01	2.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S14-4	S13-4	27.975	26.552	0.028	219.385	0.4	0.01	1.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S14-4	S13-4	27.975	26.556	0.039	237.446	0.5	0.01	2.2	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S14-4	S13-4	27.975	26.551	0.027	237.493	0.4	0.01	1.4	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S14-4	S13-4	27.975	26.554	0.030	254.343	0.5	0.01	1.9	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S14-4	S13-4	27.975	26.550	0.025	254.347	0.4	0.01	1.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S14-4	S13-4	27.975	26.553	0.029	271.067	0.5	0.01	1.8	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S14-4	S13-4	27.975	26.549	0.024	271.057	0.4	0.01	1.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-4.001-4: 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	S13-4	S12-4	27.975	26.086	0.198	41.717	1.3	0.68	75.1	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S13-4	S12-4	27.975	26.079	0.192	41.713	1.3	0.65	71.6	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S13-4	S12-4	27.975	26.057	0.180	54.672	1.2	0.57	63.0	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S13-4	S12-4	27.975	26.049	0.173	54.669	1.2	0.54	59.1	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S13-4	S12-4	27.975	26.041	0.169	68.486	1.1	0.49	54.6	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S13-4	S12-4	27.975	26.019	0.148	68.493	1.1	0.4	44.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S13-4	S12-4	27.975	26.006	0.137	80.429	1.1	0.34	38.0	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S13-4	S12-4	27.975	25.982	0.138	80.440	1.0	0.25	27.4	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S13-4	S12-4	27.975	25.987	0.158	88.292	1.1	0.27	29.5	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S13-4	S12-4	27.975	25.964	0.159	88.264	1.0	0.18	20.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S13-4	S12-4	27.975	25.974	0.181	94.338	1.0	0.22	24.5	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S13-4	S12-4	27.975	25.952	0.182	94.306	0.9	0.15	16.6	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S13-4	S12-4	27.975	25.957	0.211	103.732	0.9	0.17	18.4	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S13-4	S12-4	27.975	25.957	0.212	103.707	0.8	0.11	12.3	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S13-4	S12-4	27.975	25.976	0.230	111.276	0.9	0.14	15.4	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S13-4	S12-4	27.975	25.977	0.231	111.274	0.8	0.09	9.9	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S13-4	S12-4	27.975	25.988	0.243	117.725	0.8	0.12	12.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S13-4	S12-4	27.975	25.989	0.244	117.665	0.7	0.07	8.3	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S13-4	S12-4	27.975	25.996	0.251	123.233	0.8	0.1	11.2	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S13-4	S12-4	27.975	25.998	0.253	123.166	0.7	0.07	7.2	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S13-4	S12-4	27.975	26.004	0.259	132.411	0.7	0.08	9.0	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S13-4	S12-4	27.975	26.007	0.261	132.397	0.6	0.05	5.8	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S13-4	S12-4	27.975	26.003	0.258	147.097	0.6	0.06	6.7	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S13-4	S12-4	27.975	26.006	0.260	147.166	0.6	0.04	4.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S13-4	S12-4	27.975	25.993	0.248	163.983	0.6	0.04	5.0	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S13-4	S12-4	27.975	25.988	0.243	164.083	0.5	0.03	3.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S13-4	S12-4	27.975	25.981	0.236	177.719	0.6	0.04	4.0	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S13-4	S12-4	27.975	25.969	0.224	177.598	0.5	0.02	2.6	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S13-4	S12-4	27.975	25.957	0.212	200.468	0.5	0.03	3.0	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S13-4	S12-4	27.975	25.924	0.179	200.742	0.5	0.02	2.0	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S13-4	S12-4	27.975	25.934	0.189	219.754	0.5	0.02	2.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S13-4	S12-4	27.975	25.883	0.134	219.458	0.4	0.01	1.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S13-4	S12-4	27.975	25.913	0.168	237.505	0.5	0.02	2.2	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S13-4	S12-4	27.975	25.881	0.109	237.538	0.4	0.01	1.4	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S13-4	S12-4	27.975	25.894	0.148	254.400	0.5	0.02	1.9	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S13-4	S12-4	27.975	25.880	0.090	254.381	0.4	0.01	1.3	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S13-4	S12-4	27.975	25.884	0.130	271.121	0.5	0.02	1.8	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S13-4	S12-4	27.975	25.879	0.072	271.081	0.4	0.01	1.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-4.003-4: 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	S15-4	S14-4	27.970	27.115	0.178	39.770	1.7	0.4	89.5	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S15-4	S14-4	27.970	27.108	0.172	39.768	1.7	0.38	84.1	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S15-4	S14-4	27.970	27.075	0.141	51.882	1.6	0.27	59.9	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S15-4	S14-4	27.970	27.070	0.136	51.883	1.6	0.25	56.2	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S15-4	S14-4	27.970	27.065	0.131	64.917	1.5	0.23	51.9	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S15-4	S14-4	27.970	27.050	0.116	64.921	1.4	0.19	41.8	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S15-4	S14-4	27.970	27.041	0.107	76.229	1.4	0.16	36.2	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S15-4	S14-4	27.970	27.025	0.090	76.232	1.3	0.12	26.0	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S15-4	S14-4	27.970	27.028	0.094	83.829	1.3	0.13	28.1	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S15-4	S14-4	27.970	27.012	0.078	83.826	1.2	0.09	19.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S15-4	S14-4	27.970	27.020	0.085	89.726	1.2	0.1	23.2	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S15-4	S14-4	27.970	27.004	0.070	89.698	1.1	0.07	15.6	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S15-4	S14-4	27.970	27.008	0.074	98.712	1.1	0.08	17.5	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S15-4	S14-4	27.970	26.995	0.060	98.721	1.0	0.05	11.5	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S15-4	S14-4	27.970	27.001	0.067	105.816	1.1	0.06	14.3	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S15-4	S14-4	27.970	26.989	0.054	105.783	1.0	0.04	9.3	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S15-4	S14-4	27.970	26.996	0.062	111.752	1.0	0.05	12.2	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S15-4	S14-4	27.970	26.985	0.050	111.698	0.9	0.04	7.8	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S15-4	S14-4	27.970	26.992	0.058	116.909	1.0	0.05	10.6	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S15-4	S14-4	27.970	26.982	0.046	116.870	0.9	0.03	6.8	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S15-4	S14-4	27.970	26.987	0.052	125.638	0.9	0.04	8.5	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S15-4	S14-4	27.970	26.977	0.042	125.630	0.8	0.02	5.5	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S15-4	S14-4	27.970	26.980	0.045	139.612	0.9	0.03	6.3	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S15-4	S14-4	27.970	26.972	0.036	139.639	0.7	0.02	4.1	OK

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S15-4	S14-4	27.970	26.974	0.039	155.643	0.8	0.02	4.7	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S15-4	S14-4	27.970	26.967	0.032	155.695	0.7	0.01	3.0	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S15-4	S14-4	27.970	26.971	0.035	168.627	0.7	0.02	3.8	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S15-4	S14-4	27.970	26.964	0.029	168.601	0.6	0.01	2.5	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S15-4	S14-4	27.970	26.967	0.031	190.346	0.7	0.01	2.9	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S15-4	S14-4	27.970	26.961	0.025	190.465	0.6	0.01	1.9	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S15-4	S14-4	27.970	26.964	0.028	208.940	0.6	0.01	2.4	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S15-4	S14-4	27.970	26.959	0.023	208.675	0.6	0.01	1.5	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S15-4	S14-4	27.970	26.962	0.026	225.680	0.6	0.01	2.0	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S15-4	S14-4	27.970	26.957	0.021	225.834	0.5	0.01	1.3	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S15-4	S14-4	27.970	26.961	0.025	241.592	0.6	0.01	1.8	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S15-4	S14-4	27.970	26.956	0.020	241.800	0.5	0.01	1.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S15-4	S14-4	27.970	26.960	0.024	257.276	0.6	0.01	1.7	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S15-4	S14-4	27.970	26.956	0.019	257.622	0.5	0	1.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-5.000-4: 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	S16-4	Tank	28.087	26.845	0.375	117.293	2.4	1.22	268.3	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S16-4	Tank	28.087	26.813	0.375	117.295	2.3	1.14	251.9	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S16-4	Tank	28.087	26.599	0.282	153.055	2.0	0.8	176.7	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S16-4	Tank	28.087	26.583	0.269	153.046	2.0	0.75	165.8	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S16-4	Tank	28.087	26.566	0.254	191.556	1.9	0.7	153.3	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S16-4	Tank	28.087	26.527	0.220	191.562	1.8	0.56	123.3	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S16-4	Tank	28.087	26.506	0.201	224.922	1.8	0.48	106.7	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S16-4	Tank	28.087	26.466	0.166	224.922	1.6	0.35	76.8	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S16-4	Tank	28.087	26.474	0.173	247.386	1.7	0.38	82.9	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S16-4	Tank	28.087	26.437	0.140	247.383	1.5	0.26	57.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S16-4	Tank	28.087	26.454	0.155	264.738	1.6	0.31	68.6	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S16-4	Tank	28.087	26.420	0.124	264.750	1.4	0.21	46.1	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S16-4	Tank	28.087	26.429	0.132	291.330	1.5	0.23	51.6	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S16-4	Tank	28.087	26.399	0.106	291.330	1.3	0.15	34.0	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S16-4	Tank	28.087	26.414	0.119	312.204	1.4	0.19	42.4	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S16-4	Tank	28.087	26.386	0.094	312.189	1.3	0.12	27.4	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S16-4	Tank	28.087	26.402	0.109	329.688	1.4	0.16	35.9	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S16-4	Tank	28.087	26.378	0.086	329.676	1.2	0.11	23.2	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S16-4	Tank	28.087	26.394	0.101	344.880	1.3	0.14	31.3	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S16-4	Tank	28.087	26.371	0.080	344.910	1.2	0.09	20.2	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S16-4	Tank	28.087	26.382	0.090	370.791	1.2	0.11	25.2	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S16-4	Tank	28.087	26.362	0.072	370.782	1.1	0.07	16.3	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S16-4	Tank	28.087	26.368	0.077	412.038	1.1	0.08	18.7	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S16-4	Tank	28.087	26.351	0.062	412.038	1.0	0.05	12.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S16-4	Tank	28.087	26.356	0.066	459.222	1.1	0.06	13.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S16-4	Tank	28.087	26.342	0.053	459.264	0.9	0.04	9.0	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S16-4	Tank	28.087	26.349	0.060	497.796	1.0	0.05	11.3	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S16-4	Tank	28.087	26.336	0.048	497.760	0.9	0.03	7.3	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S16-4	Tank	28.087	26.340	0.052	561.444	0.9	0.04	8.5	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S16-4	Tank	28.087	26.330	0.042	561.479	0.8	0.02	5.5	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S16-4	Tank	28.087	26.335	0.047	616.158	0.9	0.03	7.0	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S16-4	Tank	28.087	26.326	0.038	616.133	0.8	0.02	4.5	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S16-4	Tank	28.087	26.332	0.044	666.474	0.8	0.03	6.1	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S16-4	Tank	28.087	26.323	0.035	666.744	0.7	0.02	3.9	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S16-4	Tank	28.087	26.329	0.041	713.421	0.8	0.02	5.4	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S16-4	Tank	28.087	26.321	0.033	713.417	0.7	0.02	3.5	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S16-4	Tank	28.087	26.327	0.039	758.778	0.8	0.02	4.9	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S16-4	Tank	28.087	26.319	0.032	759.252	0.7	0.01	3.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.006-4 : 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	Full Retention oil Interceptor	Tank	27.943	26.066	0.291	244.494	4.6	0.94	443.4	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.053	0.292	244.534	4.5	0.91	429.5	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.036	0.316	317.343	4.1	0.78	369.3	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.019	0.318	317.329	4.0	0.73	346.7	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.015	0.406	395.243	3.2	0.68	320.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 60 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.967	0.406	395.201	3.3	0.53	252.7	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.041	0.450	462.353	2.8	0.46	218.7	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.041	0.450	462.374	2.8	0.34	160.6	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.090	0.450	507.521	2.6	0.37	173.3	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.090	0.450	507.498	2.6	0.25	120.0	OK
FEH: 30 years: +40 %: 240 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.126	0.450	542.473	2.5	0.3	143.9	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.127	0.450	542.451	2.4	0.2	96.5	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 360 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.177	0.450	596.577	2.3	0.23	107.5	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.178	0.450	596.641	2.1	0.15	71.0	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.212	0.450	639.638	2.1	0.18	85.8	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.213	0.450	639.733	2.0	0.12	56.4	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.238	0.450	676.165	2.0	0.16	74.0	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.239	0.450	676.215	1.8	0.1	47.4	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.257	0.450	708.292	1.9	0.14	63.9	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 720 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.259	0.450	708.231	1.7	0.09	41.4	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.284	0.450	763.500	1.8	0.11	51.7	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.286	0.450	763.462	1.6	0.07	33.2	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.309	0.450	853.649	1.6	0.08	38.2	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.314	0.450	853.543	1.4	0.05	24.6	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.310	0.450	958.378	1.5	0.06	28.4	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.318	0.450	958.495	1.2	0.04	18.3	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.303	0.450	1043.004	1.4	0.05	23.0	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.304	0.450	1043.005	1.1	0.03	14.9	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.289	0.450	1177.256	1.3	0.04	17.4	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.277	0.450	1177.013	1.0	0.02	11.2	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.279	0.450	1292.171	1.2	0.03	14.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.250	0.450	1292.320	0.9	0.02	9.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.271	0.450	1397.741	1.2	0.03	12.4	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.222	0.450	1397.266	0.9	0.02	8.0	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.264	0.450	1496.237	1.1	0.02	11.1	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.194	0.450	1495.731	0.8	0.02	7.2	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.257	0.450	1590.658	1.1	0.02	10.1	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.166	0.450	1590.925	0.8	0.01	6.5	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-4.000-4: 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	S12-4	Tank	27.975	25.836	0.225	64.586	2.5	0.43	115.5	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S12-4	Tank	27.975	25.831	0.225	64.581	2.5	0.41	110.5	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S12-4	Tank	27.975	25.865	0.320	83.456	2.2	0.36	96.3	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S12-4	Tank	27.975	25.865	0.320	83.470	2.1	0.34	90.6	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S12-4	Tank	27.975	25.963	0.375	102.048	1.8	0.32	86.8	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S12-4	Tank	27.975	25.963	0.375	102.048	1.9	0.26	70.2	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S12-4	Tank	27.975	26.041	0.375	118.496	1.6	0.21	55.7	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S12-4	Tank	27.975	26.041	0.375	118.474	1.6	0.15	41.6	Surcharged
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S12-4	Tank	27.975	26.090	0.375	129.900	1.5	0.16	44.3	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S12-4	Tank	27.975	26.090	0.375	129.888	1.5	0.11	30.0	Surcharged

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S12-4	Tank	27.975	26.126	0.375	138.887	1.4	0.13	36.0	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S12-4	Tank	27.975	26.127	0.375	138.874	1.4	0.09	24.2	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S12-4	Tank	27.975	26.177	0.375	153.023	1.3	0.1	27.1	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S12-4	Tank	27.975	26.178	0.375	153.027	1.2	0.07	17.8	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S12-4	Tank	27.975	26.212	0.375	164.477	1.2	0.08	22.2	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S12-4	Tank	27.975	26.213	0.375	164.503	1.1	0.05	14.4	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S12-4	Tank	27.975	26.238	0.375	174.306	1.2	0.07	18.8	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S12-4	Tank	27.975	26.239	0.375	174.291	1.0	0.04	12.2	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S12-4	Tank	27.975	26.257	0.375	182.948	1.1	0.06	16.4	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S12-4	Tank	27.975	26.259	0.375	182.953	1.0	0.04	10.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S12-4	Tank	27.975	26.284	0.375	197.928	1.1	0.05	13.3	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S12-4	Tank	27.975	26.286	0.375	197.864	0.9	0.03	8.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S12-4	Tank	27.975	26.309	0.375	223.236	1.0	0.04	9.9	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S12-4	Tank	27.975	26.314	0.375	223.094	0.8	0.02	6.4	Surcharged

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S12-4	Tank	27.975	26.310	0.375	255.038	0.9	0.03	7.3	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S12-4	Tank	27.975	26.318	0.375	254.971	0.7	0.02	4.7	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S12-4	Tank	27.975	26.303	0.375	279.850	0.8	0.02	6.0	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S12-4	Tank	27.975	26.304	0.375	279.810	0.6	0.01	3.9	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S12-4	Tank	27.975	26.289	0.375	316.301	0.8	0.02	4.5	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S12-4	Tank	27.975	26.277	0.375	315.893	0.6	0.01	2.9	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S12-4	Tank	27.975	26.279	0.375	347.285	0.7	0.01	3.7	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S12-4	Tank	27.975	26.250	0.375	347.338	0.5	0.01	2.4	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S12-4	Tank	27.975	26.271	0.375	375.400	0.7	0.01	3.2	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S12-4	Tank	27.975	26.222	0.375	375.796	0.5	0.01	2.1	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S12-4	Tank	27.975	26.264	0.375	401.572	0.7	0.01	2.9	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S12-4	Tank	27.975	26.194	0.375	402.303	0.4	0.01	1.9	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S12-4	Tank	27.975	26.257	0.375	427.366	0.6	0.01	2.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S12-4	Tank	27.975	26.166	0.375	427.770	0.4	0.01	1.7	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S04-4	S05-4	27.886	26.772	0.450	237.053	2.7	2.74	431.5	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S04-4	S05-4	27.886	26.725	0.450	237.090	2.6	2.64	416.0	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S04-4	S05-4	27.886	26.551	0.450	308.621	2.2	2.27	357.7	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S04-4	S05-4	27.886	26.494	0.450	308.597	2.1	2.13	335.7	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S04-4	S05-4	27.886	26.428	0.450	385.081	2.0	1.97	310.3	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S04-4	S05-4	27.886	26.207	0.450	385.036	1.5	1.56	245.5	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S04-4	S05-4	27.886	26.158	0.421	450.692	1.4	1.35	212.5	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S04-4	S05-4	27.886	26.064	0.346	450.696	1.2	0.99	155.2	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S04-4	S05-4	27.886	26.090	0.395	494.718	1.2	1.06	167.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S04-4	S05-4	27.886	26.090	0.395	494.688	1.1	0.73	115.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S04-4	S05-4	27.886	26.126	0.431	528.724	1.2	0.88	138.9	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S04-4	S05-4	27.886	26.126	0.431	528.698	1.1	0.59	93.3	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S04-4	S05-4	27.886	26.177	0.450	581.215	1.1	0.66	104.3	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S04-4	S05-4	27.886	26.178	0.450	581.231	1.0	0.43	68.3	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S04-4	S05-4	27.886	26.212	0.450	622.876	1.0	0.54	85.1	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S04-4	S05-4	27.886	26.213	0.450	622.923	0.9	0.35	55.2	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S04-4	S05-4	27.886	26.238	0.450	658.111	1.0	0.46	72.3	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S04-4	S05-4	27.886	26.239	0.450	658.146	0.9	0.3	46.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S04-4	S05-4	27.886	26.257	0.450	689.114	0.9	0.4	63.0	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S04-4	S05-4	27.886	26.259	0.450	689.051	0.8	0.26	40.5	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S04-4	S05-4	27.886	26.284	0.450	742.278	0.8	0.32	50.7	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S04-4	S05-4	27.886	26.286	0.450	742.206	0.8	0.21	32.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S04-4	S05-4	27.886	26.309	0.450	828.647	0.7	0.24	37.5	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S04-4	S05-4	27.886	26.314	0.450	828.585	0.7	0.15	24.2	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S04-4	S05-4	27.886	26.310	0.450	927.916	0.7	0.18	27.8	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S04-4	S05-4	27.886	26.318	0.450	928.020	0.6	0.11	17.9	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S04-4	S05-4	27.886	26.303	0.450	1007.200	0.6	0.14	22.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S04-4	S05-4	27.886	26.304	0.450	1007.265	0.6	0.09	14.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S04-4	S05-4	27.886	26.289	0.450	1136.444	0.6	0.11	17.0	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S04-4	S05-4	27.886	26.277	0.450	1136.190	0.5	0.07	11.0	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S04-4	S05-4	27.886	26.279	0.450	1247.359	0.6	0.09	14.0	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S04-4	S05-4	27.886	26.250	0.450	1247.369	0.5	0.06	9.0	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S04-4	S05-4	27.886	26.271	0.450	1349.342	0.5	0.08	12.1	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S04-4	S05-4	27.886	26.222	0.450	1349.028	0.5	0.05	7.8	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S04-4	S05-4	27.886	26.264	0.450	1444.573	0.5	0.07	10.8	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S04-4	S05-4	27.886	26.194	0.450	1444.092	0.5	0.04	7.0	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S04-4	S05-4	27.886	26.257	0.450	1535.713	0.5	0.06	9.9	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S04-4	S05-4	27.886	26.166	0.450	1535.980	0.5	0.04	6.4	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.005-4 : 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	S05-4	Full Retention oil Interceptor	27.792	26.502	0.450	245.327	2.8	2.82	449.4	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.473	0.450	245.369	2.7	2.72	433.0	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.366	0.450	319.114	2.3	2.33	370.6	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.332	0.450	319.092	2.2	2.18	347.7	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.291	0.450	397.951	2.0	2.02	321.5	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.106	0.360	397.916	1.9	1.59	253.7	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.075	0.364	465.705	1.8	1.38	219.7	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.041	0.364	465.715	1.6	1.01	160.7	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.090	0.414	511.216	1.6	1.09	173.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.090	0.414	511.185	1.5	0.75	119.8	OK
FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.126	0.450	546.389	1.5	0.9	143.8	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.126	0.450	546.350	1.5	0.61	96.7	OK

FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.177	0.450	600.721	1.5	0.68	107.9	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.178	0.450	600.687	1.5	0.45	71.8	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.212	0.450	643.860	1.5	0.55	87.7	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.213	0.450	643.764	1.4	0.36	57.0	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.238	0.450	680.256	1.4	0.47	74.6	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.239	0.450	680.355	1.3	0.3	48.2	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.257	0.450	712.411	1.3	0.41	65.0	Surcharged

FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.259	0.450	712.416	1.3	0.26	41.9	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.284	0.450	767.550	1.3	0.33	52.3	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.286	0.450	767.512	1.2	0.21	33.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.309	0.450	857.191	1.1	0.24	38.7	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.314	0.450	857.085	1.1	0.16	24.9	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.310	0.450	960.503	1.0	0.18	28.7	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.318	0.450	960.620	1.0	0.12	18.5	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.303	0.450	1043.348	1.0	0.15	23.3	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.304	0.450	1043.330	0.9	0.09	15.0	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.289	0.450	1177.248	0.9	0.11	17.5	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.277	0.450	1177.006	0.8	0.07	11.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.279	0.450	1292.165	0.9	0.09	14.5	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.250	0.450	1292.313	0.8	0.06	9.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.271	0.450	1397.736	0.8	0.08	12.5	Surcharged

FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.222	0.450	1397.259	0.8	0.05	8.1	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.264	0.450	1496.231	0.8	0.07	11.2	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.194	0.450	1495.724	0.7	0.05	7.2	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.257	0.450	1590.653	0.8	0.06	10.2	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.166	0.450	1590.919	0.7	0.04	6.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.002-4: 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	S02-4	S03-4	27.946	27.111	0.450	81.539	1.0	1.05	165.8	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S02-4	S03-4	27.946	27.055	0.450	81.551	1.0	1.04	164.6	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S02-4	S03-4	27.946	26.894	0.450	106.300	0.8	0.77	122.7	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S02-4	S03-4	27.946	26.797	0.450	106.278	0.7	0.73	115.1	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S02-4	S03-4	27.946	26.683	0.450	132.989	0.7	0.67	106.4	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S02-4	S03-4	27.946	26.364	0.405	132.947	0.7	0.53	83.1	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S02-4	S03-4	27.946	26.270	0.309	155.939	0.7	0.46	72.2	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S02-4	S03-4	27.946	26.185	0.216	155.955	0.7	0.34	53.3	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S02-4	S03-4	27.946	26.198	0.231	171.137	0.7	0.36	57.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S02-4	S03-4	27.946	26.149	0.173	171.114	0.7	0.25	39.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S02-4	S03-4	27.946	26.170	0.197	182.777	0.7	0.3	47.6	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S02-4	S03-4	27.946	26.130	0.182	182.757	0.7	0.2	32.0	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S02-4	S03-4	27.946	26.177	0.232	200.701	0.7	0.23	35.8	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S02-4	S03-4	27.946	26.177	0.233	200.703	0.6	0.15	23.6	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S02-4	S03-4	27.946	26.212	0.267	214.949	0.7	0.19	29.4	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S02-4	S03-4	27.946	26.213	0.268	214.932	0.6	0.12	19.0	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S02-4	S03-4	27.946	26.238	0.293	227.022	0.6	0.16	24.9	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S02-4	S03-4	27.946	26.239	0.294	227.029	0.6	0.1	16.1	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S02-4	S03-4	27.946	26.258	0.313	237.651	0.6	0.14	21.7	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S02-4	S03-4	27.946	26.259	0.314	237.641	0.6	0.09	14.0	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S02-4	S03-4	27.946	26.284	0.340	255.938	0.6	0.11	17.5	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S02-4	S03-4	27.946	26.286	0.342	255.901	0.5	0.07	11.3	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S02-4	S03-4	27.946	26.309	0.365	285.662	0.5	0.08	13.0	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S02-4	S03-4	27.946	26.314	0.369	285.622	0.5	0.05	8.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S02-4	S03-4	27.946	26.310	0.366	318.812	0.5	0.06	9.6	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S02-4	S03-4	27.946	26.318	0.374	318.802	0.4	0.04	6.2	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S02-4	S03-4	27.946	26.303	0.359	345.275	0.5	0.05	7.8	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S02-4	S03-4	27.946	26.304	0.360	345.318	0.4	0.03	5.0	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S02-4	S03-4	27.946	26.289	0.345	389.592	0.4	0.04	5.9	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S02-4	S03-4	27.946	26.277	0.333	389.683	0.4	0.02	3.8	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S02-4	S03-4	27.946	26.279	0.334	427.809	0.4	0.03	4.9	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S02-4	S03-4	27.946	26.250	0.306	427.805	0.4	0.02	3.1	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S02-4	S03-4	27.946	26.271	0.326	462.542	0.4	0.03	4.2	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S02-4	S03-4	27.946	26.222	0.278	462.849	0.4	0.02	2.7	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S02-4	S03-4	27.946	26.264	0.319	495.145	0.4	0.02	3.7	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S02-4	S03-4	27.946	26.194	0.249	494.826	0.3	0.02	2.4	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S02-4	S03-4	27.946	26.257	0.313	526.574	0.4	0.02	3.4	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S02-4	S03-4	27.946	26.166	0.221	526.826	0.3	0.01	2.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4 : 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	S01-4	S02-4	27.945	27.171	0.450	57.411	0.8	0.81	127.9	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S01-4	S02-4	27.945	27.106	0.450	57.408	0.8	0.76	120.1	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S01-4	S02-4	27.945	26.919	0.450	74.849	0.6	0.54	86.4	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S01-4	S02-4	27.945	26.819	0.450	74.846	0.6	0.51	81.1	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S01-4	S02-4	27.945	26.701	0.450	93.643	0.6	0.47	74.9	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S01-4	S02-4	27.945	26.379	0.356	93.641	0.6	0.38	59.6	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S01-4	S02-4	27.945	26.293	0.266	109.955	0.6	0.33	51.7	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S01-4	S02-4	27.945	26.215	0.185	109.963	0.6	0.24	37.5	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S01-4	S02-4	27.945	26.226	0.196	120.914	0.6	0.26	40.5	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S01-4	S02-4	27.945	26.184	0.151	120.906	0.6	0.18	27.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S01-4	S02-4	27.945	26.202	0.170	129.295	0.6	0.21	33.5	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S01-4	S02-4	27.945	26.167	0.133	129.275	0.6	0.14	22.5	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S01-4	S02-4	27.945	26.177	0.162	142.141	0.6	0.16	25.2	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S01-4	S02-4	27.945	26.177	0.162	142.133	0.5	0.1	16.6	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S01-4	S02-4	27.945	26.212	0.197	152.266	0.6	0.13	20.7	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S01-4	S02-4	27.945	26.213	0.197	152.258	0.5	0.08	13.4	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S01-4	S02-4	27.945	26.238	0.222	160.798	0.5	0.11	17.5	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S01-4	S02-4	27.945	26.239	0.223	160.802	0.5	0.07	11.3	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S01-4	S02-4	27.945	26.258	0.242	168.249	0.5	0.1	15.3	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S01-4	S02-4	27.945	26.259	0.243	168.246	0.5	0.06	9.9	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S01-4	S02-4	27.945	26.284	0.269	180.966	0.5	0.08	12.3	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S01-4	S02-4	27.945	26.286	0.271	180.980	0.5	0.05	8.0	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S01-4	S02-4	27.945	26.309	0.294	201.459	0.5	0.06	9.1	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S01-4	S02-4	27.945	26.314	0.298	201.454	0.4	0.04	5.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S01-4	S02-4	27.945	26.310	0.295	224.554	0.4	0.04	6.8	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S01-4	S02-4	27.945	26.318	0.303	224.519	0.4	0.03	4.4	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S01-4	S02-4	27.945	26.303	0.288	243.254	0.4	0.03	5.5	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S01-4	S02-4	27.945	26.304	0.289	243.339	0.4	0.02	3.6	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S01-4	S02-4	27.945	26.289	0.274	274.391	0.4	0.03	4.2	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S01-4	S02-4	27.945	26.277	0.262	274.470	0.3	0.02	2.7	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S01-4	S02-4	27.945	26.279	0.263	301.107	0.4	0.02	3.4	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S01-4	S02-4	27.945	26.250	0.235	301.181	0.3	0.01	2.2	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S01-4	S02-4	27.945	26.271	0.255	325.838	0.3	0.02	3.0	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S01-4	S02-4	27.945	26.222	0.207	325.906	0.3	0.01	1.9	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S01-4	S02-4	27.945	26.264	0.248	348.818	0.3	0.02	2.6	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S01-4	S02-4	27.945	26.194	0.178	348.888	0.3	0.01	1.7	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S01-4	S02-4	27.945	26.257	0.242	370.635	0.3	0.02	2.4	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S01-4	S02-4	27.945	26.166	0.150	370.635	0.3	0.01	1.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.007-4: 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	S07-4	27.850	25.770	0.225	8.295	0.4	0.18	6.8	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	Tank	S07-4	27.850	25.770	0.225	8.361	0.4	0.2	7.3	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	Tank	S07-4	27.850	25.865	0.225	17.071	0.4	0.17	6.5	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	Tank	S07-4	27.850	25.865	0.225	17.168	0.4	0.17	6.2	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	Tank	S07-4	27.850	25.963	0.225	34.348	0.3	0.16	6.1	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	Tank	S07-4	27.850	25.963	0.225	34.421	0.3	0.16	6.0	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	Tank	S07-4	27.850	26.041	0.225	67.843	0.3	0.16	5.9	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	Tank	S07-4	27.850	26.041	0.225	67.900	0.3	0.16	5.8	Surcharged
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	Tank	S07-4	27.850	26.090	0.225	99.586	0.3	0.16	5.8	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	Tank	S07-4	27.850	26.090	0.225	99.628	0.3	0.16	5.8	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	Tank	S07-4	27.850	26.127	0.225	129.543	0.3	0.16	5.8	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	Tank	S07-4	27.850	26.127	0.225	129.575	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	Tank	S07-4	27.850	26.177	0.225	190.824	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	Tank	S07-4	27.850	26.178	0.225	191.011	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	Tank	S07-4	27.850	26.212	0.225	256.070	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	Tank	S07-4	27.850	26.213	0.225	256.349	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	Tank	S07-4	27.850	26.238	0.225	322.413	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	Tank	S07-4	27.850	26.239	0.225	322.672	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	Tank	S07-4	27.850	26.257	0.225	388.970	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	Tank	S07-4	27.850	26.259	0.225	389.153	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	Tank	S07-4	27.850	26.284	0.225	522.320	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	Tank	S07-4	27.850	26.286	0.225	522.344	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	Tank	S07-4	27.850	26.309	0.225	793.506	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	Tank	S07-4	27.850	26.314	0.225	793.378	0.3	0.15	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	Tank	S07-4	27.850	26.310	0.225	1214.258	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	Tank	S07-4	27.850	26.318	0.225	1215.104	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	Tank	S07-4	27.850	26.303	0.225	1642.870	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	Tank	S07-4	27.850	26.304	0.225	1646.787	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	Tank	S07-4	27.850	26.289	0.225	2258.912	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	Tank	S07-4	27.850	26.277	0.225	2259.147	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	Tank	S07-4	27.850	26.279	0.225	2493.926	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	Tank	S07-4	27.850	26.250	0.225	2494.516	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	Tank	S07-4	27.850	26.271	0.225	2700.991	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	Tank	S07-4	27.850	26.222	0.225	2701.368	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	Tank	S07-4	27.850	26.264	0.225	2892.988	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	Tank	S07-4	27.850	26.194	0.225	2893.679	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	Tank	S07-4	27.850	26.257	0.225	3077.240	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	Tank	S07-4	27.850	26.166	0.225	3078.123	0.3	0.15	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S-19-4	S02-4	26.950	26.955	0.300	13.837	1.7	1.21	118.1	Flood
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.954	0.300	13.773	1.6	1.16	113.3	Flood
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.906	0.300	17.874	0.7	0.21	20.6	Flood Risk
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.808	0.300	17.863	0.8	0.2	19.4	Flood Risk
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.693	0.300	22.350	0.8	0.18	18.0	Flood Risk
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.426	0.154	22.361	0.9	0.15	14.4	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.422	0.105	26.267	0.8	0.13	12.5	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.413	0.062	26.292	0.9	0.09	9.0	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.415	0.065	28.912	0.9	0.1	9.7	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.404	0.053	28.901	0.8	0.07	6.7	OK

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.409	0.059	30.942	0.8	0.08	8.0	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.399	0.048	30.947	0.7	0.06	5.4	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.401	0.051	34.050	0.8	0.06	6.0	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.392	0.041	34.031	0.7	0.04	4.0	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.397	0.047	36.471	0.7	0.05	4.9	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.388	0.046	36.469	0.6	0.03	3.2	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.393	0.059	38.523	0.7	0.04	4.2	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.385	0.059	38.538	0.6	0.03	2.7	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.390	0.069	40.317	0.7	0.04	3.7	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.382	0.068	40.302	0.6	0.02	2.4	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.386	0.081	43.352	0.6	0.03	2.9	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.379	0.082	43.340	0.5	0.02	1.9	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.381	0.093	48.184	0.6	0.02	2.2	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.375	0.095	48.150	0.5	0.01	1.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.377	0.093	53.640	0.5	0.02	1.6	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.372	0.097	53.655	0.5	0.01	1.0	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.375	0.090	58.094	0.5	0.01	1.3	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.370	0.090	58.097	0.4	0.01	0.9	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.371	0.083	65.534	0.4	0.01	1.0	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.368	0.076	65.464	0.4	0.01	0.6	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.370	0.077	72.205	0.4	0.01	0.8	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.366	0.063	72.067	0.4	0.01	0.5	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.368	0.073	77.846	0.4	0.01	0.7	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.365	0.049	78.086	0.3	0	0.5	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.367	0.070	83.354	0.4	0.01	0.6	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.364	0.035	83.079	0.3	0	0.4	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.367	0.067	88.785	0.4	0.01	0.6	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.364	0.021	89.151	0.3	0	0.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.008 - 4: 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	S07-4	EX	27.633	25.767	0.039	7.267	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S07-4	EX	27.633	25.767	0.039	7.333	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S07-4	EX	27.633	25.862	0.039	15.940	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S07-4	EX	27.633	25.861	0.039	16.037	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S07-4	EX	27.633	25.960	0.039	33.113	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S07-4	EX	27.633	25.960	0.039	33.185	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S07-4	EX	27.633	26.039	0.039	66.533	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S07-4	EX	27.633	26.039	0.039	66.589	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S07-4	EX	27.633	26.088	0.039	98.232	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S07-4	EX	27.633	26.088	0.039	98.273	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S07-4	EX	27.633	26.124	0.039	128.159	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S07-4	EX	27.633	26.124	0.039	128.191	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S07-4	EX	27.633	26.175	0.039	189.406	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S07-4	EX	27.633	26.175	0.039	189.593	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S07-4	EX	27.633	26.210	0.039	254.637	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S07-4	EX	27.633	26.211	0.039	254.916	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S07-4	EX	27.633	26.235	0.039	320.977	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S07-4	EX	27.633	26.237	0.039	321.236	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S07-4	EX	27.633	26.255	0.039	387.538	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S07-4	EX	27.633	26.256	0.039	387.721	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S07-4	EX	27.633	26.281	0.039	520.909	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S07-4	EX	27.633	26.284	0.039	520.933	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S07-4	EX	27.633	26.307	0.039	792.173	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S07-4	EX	27.633	26.311	0.039	792.045	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S07-4	EX	27.633	26.308	0.039	1213.098	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S07-4	EX	27.633	26.316	0.039	1213.945	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S07-4	EX	27.633	26.301	0.039	1641.924	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S07-4	EX	27.633	26.302	0.039	1645.844	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S07-4	EX	27.633	26.287	0.039	2258.831	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S07-4	EX	27.633	26.275	0.039	2259.071	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S07-4	EX	27.633	26.276	0.039	2493.901	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S07-4	EX	27.633	26.248	0.039	2494.493	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S07-4	EX	27.633	26.268	0.039	2700.983	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S07-4	EX	27.633	26.220	0.039	2701.360	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S07-4	EX	27.633	26.261	0.039	2892.984	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S07-4	EX	27.633	26.192	0.039	2893.676	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S07-4	EX	27.633	26.255	0.039	3077.237	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S07-4	EX	27.633	26.163	0.039	3078.120	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.003-4: 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	S03-4	S04-4	27.908	27.089	0.450	160.246	1.6	1.12	256.2	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S03-4	S04-4	27.908	27.028	0.450	160.264	1.6	1.1	251.1	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S03-4	S04-4	27.908	26.830	0.450	209.051	1.5	1.06	241.2	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S03-4	S04-4	27.908	26.740	0.450	209.012	1.4	0.99	226.4	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S03-4	S04-4	27.908	26.635	0.450	261.108	1.3	0.92	209.2	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S03-4	S04-4	27.908	26.335	0.450	261.043	1.0	0.72	164.6	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S03-4	S04-4	27.908	26.236	0.395	305.446	1.0	0.63	142.6	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S03-4	S04-4	27.908	26.135	0.297	305.445	0.9	0.46	104.7	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S03-4	S04-4	27.908	26.153	0.317	335.074	1.0	0.5	112.9	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S03-4	S04-4	27.908	26.090	0.288	335.040	0.9	0.34	78.0	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S03-4	S04-4	27.908	26.126	0.324	357.880	0.9	0.41	93.6	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S03-4	S04-4	27.908	26.126	0.324	357.856	0.9	0.28	63.0	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S03-4	S04-4	27.908	26.177	0.375	393.117	0.9	0.31	70.4	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S03-4	S04-4	27.908	26.177	0.375	393.122	0.8	0.2	46.4	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S03-4	S04-4	27.908	26.212	0.410	421.134	0.8	0.25	57.8	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S03-4	S04-4	27.908	26.213	0.411	421.132	0.7	0.16	37.4	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S03-4	S04-4	27.908	26.238	0.436	444.876	0.8	0.21	49.0	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S03-4	S04-4	27.908	26.239	0.437	444.869	0.7	0.14	31.6	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S03-4	S04-4	27.908	26.257	0.450	465.788	0.7	0.19	42.7	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S03-4	S04-4	27.908	26.259	0.450	465.727	0.7	0.12	27.6	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S03-4	S04-4	27.908	26.284	0.450	501.742	0.7	0.15	34.5	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S03-4	S04-4	27.908	26.286	0.450	501.663	0.6	0.1	22.2	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S03-4	S04-4	27.908	26.309	0.450	560.287	0.6	0.11	25.5	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S03-4	S04-4	27.908	26.314	0.450	560.235	0.6	0.07	16.5	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S03-4	S04-4	27.908	26.310	0.450	626.818	0.6	0.08	19.0	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S03-4	S04-4	27.908	26.318	0.450	626.860	0.5	0.05	12.2	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S03-4	S04-4	27.908	26.303	0.450	679.134	0.5	0.07	15.4	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S03-4	S04-4	27.908	26.304	0.450	679.165	0.5	0.04	9.9	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S03-4	S04-4	27.908	26.289	0.450	766.414	0.5	0.05	11.6	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S03-4	S04-4	27.908	26.277	0.450	766.097	0.5	0.03	7.5	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S03-4	S04-4	27.908	26.279	0.450	841.103	0.5	0.04	9.6	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S03-4	S04-4	27.908	26.250	0.448	841.229	0.4	0.03	6.2	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S03-4	S04-4	27.908	26.271	0.450	909.362	0.4	0.04	8.3	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S03-4	S04-4	27.908	26.222	0.420	909.687	0.4	0.02	5.3	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S03-4	S04-4	27.908	26.264	0.450	973.967	0.4	0.03	7.4	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S03-4	S04-4	27.908	26.194	0.392	973.781	0.4	0.02	4.8	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S03-4	S04-4	27.908	26.257	0.450	1035.290	0.4	0.03	6.7	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S03-4	S04-4	27.908	26.166	0.364	1035.766	0.4	0.02	4.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-4,002-4: 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	S14-4	S13-4	27.975	26.753	0.263	58.634	1.5	0.62	124.1	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S14-4	S13-4	27.975	26.744	0.252	58.651	1.5	0.58	116.6	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S14-4	S13-4	27.975	26.703	0.218	76.490	1.4	0.44	88.2	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S14-4	S13-4	27.975	26.697	0.209	76.496	1.4	0.41	82.8	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S14-4	S13-4	27.975	26.690	0.199	95.760	1.3	0.38	76.5	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S14-4	S13-4	27.975	26.671	0.173	95.764	1.2	0.31	61.6	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S14-4	S13-4	27.975	26.660	0.160	112.471	1.2	0.27	53.3	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S14-4	S13-4	27.975	26.639	0.134	112.449	1.1	0.19	38.3	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S14-4	S13-4	27.975	26.644	0.139	123.693	1.1	0.21	41.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S14-4	S13-4	27.975	26.624	0.135	123.683	1.0	0.14	28.5	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S14-4	S13-4	27.975	26.633	0.153	132.377	1.1	0.17	34.3	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S14-4	S13-4	27.975	26.614	0.152	132.377	1.0	0.12	23.0	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S14-4	S13-4	27.975	26.619	0.176	145.649	1.0	0.13	25.8	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S14-4	S13-4	27.975	26.602	0.175	145.633	0.9	0.08	17.0	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S14-4	S13-4	27.975	26.610	0.193	156.053	1.0	0.11	21.2	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S14-4	S13-4	27.975	26.594	0.192	156.058	0.8	0.07	13.7	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S14-4	S13-4	27.975	26.604	0.205	164.817	0.9	0.09	17.9	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S14-4	S13-4	27.975	26.589	0.204	164.790	0.8	0.06	11.6	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S14-4	S13-4	27.975	26.599	0.214	172.422	0.9	0.08	15.6	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S14-4	S13-4	27.975	26.585	0.214	172.399	0.8	0.05	10.1	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S14-4	S13-4	27.975	26.592	0.226	185.303	0.8	0.06	12.6	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S14-4	S13-4	27.975	26.580	0.227	185.254	0.7	0.04	8.1	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S14-4	S13-4	27.975	26.583	0.238	205.919	0.8	0.05	9.3	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S14-4	S13-4	27.975	26.573	0.240	205.802	0.7	0.03	6.0	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S14-4	S13-4	27.975	26.576	0.237	229.523	0.7	0.03	7.0	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S14-4	S13-4	27.975	26.567	0.242	229.424	0.6	0.02	4.5	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S14-4	S13-4	27.975	26.571	0.234	248.793	0.7	0.03	5.7	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S14-4	S13-4	27.975	26.563	0.235	248.629	0.6	0.02	3.6	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S14-4	S13-4	27.975	26.566	0.227	280.396	0.6	0.02	4.2	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S14-4	S13-4	27.975	26.559	0.221	280.198	0.5	0.01	2.7	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S14-4	S13-4	27.975	26.563	0.222	307.981	0.6	0.02	3.5	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S14-4	S13-4	27.975	26.556	0.207	308.083	0.5	0.01	2.3	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S14-4	S13-4	27.975	26.560	0.218	332.747	0.5	0.02	3.0	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S14-4	S13-4	27.975	26.555	0.194	333.292	0.5	0.01	2.0	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S14-4	S13-4	27.975	26.559	0.214	356.052	0.5	0.01	2.7	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S14-4	S13-4	27.975	26.553	0.179	356.750	0.5	0.01	1.7	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S14-4	S13-4	27.975	26.558	0.211	378.578	0.5	0.01	2.5	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S14-4	S13-4	27.975	26.552	0.165	378.611	0.4	0.01	1.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-4.001-4: 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	S13-4	S12-4	27.975	26.152	0.249	58.543	1.3	0.95	104.5	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S13-4	S12-4	27.975	26.140	0.240	58.544	1.3	0.91	100.0	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S13-4	S12-4	27.975	26.111	0.230	76.567	1.2	0.79	87.2	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S13-4	S12-4	27.975	26.099	0.220	76.575	1.2	0.74	81.8	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S13-4	S12-4	27.975	26.088	0.217	94.038	1.2	0.69	76.7	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S13-4	S12-4	27.975	26.054	0.217	94.041	1.2	0.56	61.7	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S13-4	S12-4	27.975	26.041	0.296	109.092	1.1	0.48	53.1	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S13-4	S12-4	27.975	26.041	0.296	109.072	1.1	0.34	38.1	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S13-4	S12-4	27.975	26.090	0.345	119.354	1.1	0.38	41.9	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S13-4	S12-4	27.975	26.091	0.345	119.337	1.0	0.26	28.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S13-4	S12-4	27.975	26.127	0.375	127.398	1.0	0.31	34.4	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S13-4	S12-4	27.975	26.127	0.375	127.390	1.0	0.21	23.1	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S13-4	S12-4	27.975	26.177	0.375	139.982	0.9	0.23	25.8	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S13-4	S12-4	27.975	26.178	0.375	139.961	0.9	0.15	17.0	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S13-4	S12-4	27.975	26.212	0.375	150.121	0.8	0.19	21.2	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S13-4	S12-4	27.975	26.213	0.375	150.124	0.8	0.12	13.7	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S13-4	S12-4	27.975	26.238	0.375	158.816	0.8	0.16	17.9	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S13-4	S12-4	27.975	26.239	0.375	158.791	0.7	0.1	11.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S13-4	S12-4	27.975	26.258	0.375	166.476	0.7	0.14	15.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S13-4	S12-4	27.975	26.259	0.375	166.457	0.7	0.09	10.1	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S13-4	S12-4	27.975	26.284	0.375	179.725	0.7	0.11	12.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S13-4	S12-4	27.975	26.287	0.375	179.682	0.7	0.07	8.1	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S13-4	S12-4	27.975	26.310	0.375	201.911	0.6	0.08	9.3	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S13-4	S12-4	27.975	26.314	0.375	201.802	0.6	0.05	6.0	Surcharged

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S13-4	S12-4	27.975	26.311	0.375	228.961	0.6	0.06	6.9	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S13-4	S12-4	27.975	26.319	0.375	228.877	0.6	0.04	4.5	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S13-4	S12-4	27.975	26.304	0.375	248.811	0.6	0.05	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S13-4	S12-4	27.975	26.305	0.375	248.652	0.5	0.03	3.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S13-4	S12-4	27.975	26.290	0.375	280.414	0.5	0.04	4.2	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S13-4	S12-4	27.975	26.277	0.375	280.220	0.5	0.02	2.7	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S13-4	S12-4	27.975	26.279	0.375	307.999	0.5	0.03	3.5	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S13-4	S12-4	27.975	26.251	0.375	308.106	0.5	0.02	2.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S13-4	S12-4	27.975	26.271	0.375	332.768	0.5	0.03	3.0	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S13-4	S12-4	27.975	26.223	0.375	333.318	0.5	0.02	2.0	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S13-4	S12-4	27.975	26.264	0.375	356.079	0.5	0.02	2.7	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S13-4	S12-4	27.975	26.194	0.375	356.786	0.4	0.02	1.7	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S13-4	S12-4	27.975	26.258	0.375	378.617	0.5	0.02	2.5	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S13-4	S12-4	27.975	26.166	0.375	378.668	0.4	0.01	1.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-4.003-4: 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	S15-4	S14-4	27.970	27.158	0.223	55.675	1.8	0.56	125.3	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S15-4	S14-4	27.970	27.149	0.213	55.676	1.8	0.53	117.8	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S15-4	S14-4	27.970	27.105	0.172	72.630	1.7	0.37	83.8	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S15-4	S14-4	27.970	27.099	0.165	72.629	1.7	0.35	78.7	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S15-4	S14-4	27.970	27.092	0.158	90.888	1.7	0.32	72.7	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S15-4	S14-4	27.970	27.073	0.139	90.891	1.6	0.26	58.5	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S15-4	S14-4	27.970	27.063	0.129	106.717	1.5	0.23	50.6	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S15-4	S14-4	27.970	27.042	0.108	106.707	1.4	0.16	36.4	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S15-4	S14-4	27.970	27.046	0.112	117.365	1.4	0.18	39.3	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S15-4	S14-4	27.970	27.027	0.092	117.361	1.3	0.12	27.1	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S15-4	S14-4	27.970	27.036	0.102	125.613	1.3	0.15	32.5	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S15-4	S14-4	27.970	27.017	0.083	125.609	1.2	0.1	21.9	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S15-4	S14-4	27.970	27.022	0.088	138.218	1.2	0.11	24.5	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S15-4	S14-4	27.970	27.005	0.071	138.202	1.1	0.07	16.1	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S15-4	S14-4	27.970	27.014	0.079	148.087	1.2	0.09	20.1	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S15-4	S14-4	27.970	26.998	0.064	148.107	1.0	0.06	13.0	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S15-4	S14-4	27.970	27.007	0.073	156.408	1.1	0.08	17.0	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S15-4	S14-4	27.970	26.993	0.059	156.411	1.0	0.05	11.0	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S15-4	S14-4	27.970	27.003	0.068	163.656	1.1	0.07	14.9	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S15-4	S14-4	27.970	26.990	0.055	163.622	1.0	0.04	9.6	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S15-4	S14-4	27.970	26.996	0.061	175.901	1.0	0.05	12.0	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S15-4	S14-4	27.970	26.984	0.049	175.880	0.9	0.03	7.7	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S15-4	S14-4	27.970	26.988	0.053	195.485	0.9	0.04	8.9	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S15-4	S14-4	27.970	26.978	0.043	195.440	0.8	0.03	5.7	OK

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S15-4	S14-4	27.970	26.981	0.046	217.918	0.9	0.03	6.6	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S15-4	S14-4	27.970	26.972	0.037	217.886	0.8	0.02	4.3	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S15-4	S14-4	27.970	26.977	0.041	236.128	0.8	0.02	5.4	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S15-4	S14-4	27.970	26.969	0.034	236.210	0.7	0.02	3.5	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S15-4	S14-4	27.970	26.972	0.036	266.319	0.8	0.02	4.0	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S15-4	S14-4	27.970	26.965	0.029	266.239	0.7	0.01	2.6	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S15-4	S14-4	27.970	26.969	0.033	292.437	0.7	0.01	3.3	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S15-4	S14-4	27.970	26.963	0.027	292.573	0.6	0.01	2.1	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S15-4	S14-4	27.970	26.967	0.031	316.142	0.7	0.01	2.9	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S15-4	S14-4	27.970	26.961	0.025	316.345	0.6	0.01	1.9	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S15-4	S14-4	27.970	26.965	0.029	338.624	0.7	0.01	2.6	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S15-4	S14-4	27.970	26.960	0.024	338.527	0.6	0.01	1.6	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S15-4	S14-4	27.970	26.964	0.028	359.864	0.6	0.01	2.3	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S15-4	S14-4	27.970	26.959	0.023	360.165	0.6	0.01	1.5	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-5.000-4: 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	S16-4	Tank	28.087	27.093	0.375	164.212	3.4	1.7	374.9	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S16-4	Tank	28.087	27.031	0.375	164.216	3.2	1.6	352.3	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S16-4	Tank	28.087	26.801	0.375	214.280	2.2	1.12	247.4	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S16-4	Tank	28.087	26.773	0.375	214.274	2.1	1.05	232.1	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S16-4	Tank	28.087	26.697	0.353	268.177	2.0	0.97	214.6	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S16-4	Tank	28.087	26.593	0.277	268.173	2.0	0.78	172.6	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S16-4	Tank	28.087	26.561	0.250	314.903	1.9	0.68	149.4	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S16-4	Tank	28.087	26.507	0.202	314.892	1.8	0.49	107.5	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S16-4	Tank	28.087	26.518	0.212	346.326	1.8	0.53	116.0	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S16-4	Tank	28.087	26.470	0.169	346.331	1.7	0.36	80.0	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S16-4	Tank	28.087	26.492	0.189	370.644	1.7	0.44	96.0	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S16-4	Tank	28.087	26.448	0.150	370.649	1.6	0.29	64.6	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S16-4	Tank	28.087	26.459	0.160	407.898	1.6	0.33	72.2	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S16-4	Tank	28.087	26.422	0.127	407.873	1.5	0.22	47.6	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S16-4	Tank	28.087	26.440	0.143	437.105	1.5	0.27	59.3	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S16-4	Tank	28.087	26.407	0.113	437.080	1.4	0.17	38.4	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S16-4	Tank	28.087	26.426	0.130	461.556	1.5	0.23	50.3	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S16-4	Tank	28.087	26.396	0.103	461.580	1.3	0.15	32.4	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S16-4	Tank	28.087	26.416	0.121	482.878	1.4	0.2	43.8	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S16-4	Tank	28.087	26.388	0.096	482.864	1.3	0.13	28.3	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S16-4	Tank	28.087	26.401	0.108	519.068	1.3	0.16	35.3	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S16-4	Tank	28.087	26.377	0.085	519.095	1.2	0.1	22.8	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S16-4	Tank	28.087	26.384	0.092	576.803	1.2	0.12	26.2	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S16-4	Tank	28.087	26.363	0.073	576.867	1.1	0.08	16.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S16-4	Tank	28.087	26.369	0.079	642.982	1.2	0.09	19.4	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S16-4	Tank	28.087	26.352	0.072	643.053	1.0	0.06	12.6	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S16-4	Tank	28.087	26.361	0.071	696.832	1.1	0.07	15.8	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S16-4	Tank	28.087	26.346	0.060	696.730	1.0	0.05	10.2	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S16-4	Tank	28.087	26.350	0.061	786.003	1.0	0.05	11.9	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S16-4	Tank	28.087	26.338	0.049	786.089	0.9	0.03	7.7	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S16-4	Tank	28.087	26.344	0.055	862.533	1.0	0.04	9.8	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S16-4	Tank	28.087	26.333	0.045	862.656	0.9	0.03	6.3	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S16-4	Tank	28.087	26.340	0.052	932.752	0.9	0.04	8.5	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S16-4	Tank	28.087	26.329	0.041	933.083	0.8	0.02	5.5	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S16-4	Tank	28.087	26.337	0.049	998.956	0.9	0.03	7.6	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S16-4	Tank	28.087	26.327	0.039	999.365	0.8	0.02	4.9	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S16-4	Tank	28.087	26.335	0.046	1062.587	0.9	0.03	6.9	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S16-4	Tank	28.087	26.325	0.037	1062.750	0.8	0.02	4.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.006-4 : 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	Full Retention oil Interceptor	Tank	27.943	26.181	0.341	314.337	4.6	1.09	516.8	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.157	0.342	313.942	4.7	1.05	497.4	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.115	0.431	410.940	4.3	0.9	426.7	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.093	0.431	410.894	4.1	0.86	406.2	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.143	0.450	511.440	3.4	0.81	384.8	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 60 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.118	0.450	511.410	3.5	0.71	336.0	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.214	0.450	589.947	3.0	0.61	286.9	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.214	0.450	589.961	3.0	0.43	205.5	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.275	0.450	643.773	2.8	0.46	218.1	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.275	0.450	643.797	2.7	0.32	151.2	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.321	0.450	686.492	2.6	0.38	179.9	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.321	0.450	686.495	2.5	0.26	122.4	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 360 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.388	0.450	754.398	2.4	0.28	133.6	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.389	0.450	754.375	2.3	0.19	88.8	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.437	0.450	809.037	2.3	0.23	110.0	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.439	0.450	809.104	2.1	0.15	71.3	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.474	0.450	855.639	2.2	0.2	92.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.477	0.450	855.695	1.9	0.13	59.7	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.504	0.450	896.666	2.1	0.17	79.9	Surcharged

FEH: 100 years: +45 %: 720 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.508	0.450	896.698	1.8	0.11	52.0	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.548	0.450	967.427	1.9	0.14	64.8	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.553	0.450	967.265	1.7	0.09	41.8	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.597	0.450	1080.521	1.8	0.1	47.8	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.605	0.450	1080.463	1.5	0.07	30.8	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.615	0.450	1210.844	1.6	0.07	35.4	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.630	0.450	1210.866	1.3	0.05	22.8	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.610	0.450	1317.398	1.5	0.06	28.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.625	0.450	1317.265	1.2	0.04	18.5	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.591	0.450	1484.065	1.4	0.05	21.5	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.594	0.450	1484.487	1.1	0.03	13.8	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.575	0.450	1614.360	1.3	0.04	17.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.564	0.450	1614.244	1.0	0.02	11.4	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.563	0.450	1731.545	1.3	0.03	15.1	Surcharged

FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.535	0.450	1731.531	0.9	0.02	9.8	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.552	0.450	1839.310	1.2	0.03	13.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.506	0.450	1839.344	0.9	0.02	8.7	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.543	0.450	1941.987	1.2	0.03	12.1	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.480	0.450	1942.778	0.8	0.02	7.9	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -4.000-4: 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	S12-4	Tank	27.975	25.872	0.318	82.491	2.5	0.55	148.4	OK
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S12-4	Tank	27.975	25.865	0.318	82.488	2.5	0.52	141.2	OK
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S12-4	Tank	27.975	25.989	0.375	105.374	2.1	0.47	128.1	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S12-4	Tank	27.975	25.989	0.375	105.373	2.2	0.45	120.6	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S12-4	Tank	27.975	26.119	0.375	130.166	1.9	0.4	109.0	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S12-4	Tank	27.975	26.119	0.375	130.177	2.0	0.31	83.7	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S12-4	Tank	27.975	26.214	0.375	150.712	1.7	0.27	72.1	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S12-4	Tank	27.975	26.214	0.375	150.724	1.6	0.19	52.0	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S12-4	Tank	27.975	26.275	0.375	165.175	1.6	0.21	55.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S12-4	Tank	27.975	26.275	0.375	165.171	1.6	0.14	38.5	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S12-4	Tank	27.975	26.321	0.375	176.670	1.5	0.17	46.1	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S12-4	Tank	27.975	26.321	0.375	176.673	1.4	0.11	31.0	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S12-4	Tank	27.975	26.388	0.375	194.971	1.4	0.12	33.3	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S12-4	Tank	27.975	26.389	0.375	194.965	1.3	0.08	22.6	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S12-4	Tank	27.975	26.437	0.375	209.684	1.3	0.1	26.9	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S12-4	Tank	27.975	26.439	0.375	209.595	1.2	0.07	18.0	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S12-4	Tank	27.975	26.475	0.375	222.198	1.2	0.08	22.0	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S12-4	Tank	27.975	26.477	0.375	222.160	1.1	0.06	15.1	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S12-4	Tank	27.975	26.505	0.375	233.246	1.2	0.07	19.2	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S12-4	Tank	27.975	26.508	0.375	233.170	1.0	0.05	12.8	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S12-4	Tank	27.975	26.548	0.375	252.190	1.1	0.06	15.5	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S12-4	Tank	27.975	26.553	0.375	252.126	1.0	0.04	10.2	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S12-4	Tank	27.975	26.597	0.375	282.562	1.0	0.04	11.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S12-4	Tank	27.975	26.605	0.375	282.520	0.8	0.03	7.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S12-4	Tank	27.975	26.615	0.375	317.696	0.9	0.03	8.8	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S12-4	Tank	27.975	26.630	0.375	317.703	0.7	0.02	5.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S12-4	Tank	27.975	26.610	0.375	347.859	0.9	0.03	7.2	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S12-4	Tank	27.975	26.625	0.375	347.754	0.7	0.02	4.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S12-4	Tank	27.975	26.591	0.375	398.797	0.8	0.02	5.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S12-4	Tank	27.975	26.594	0.375	399.005	0.6	0.01	3.5	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S12-4	Tank	27.975	26.575	0.375	433.982	0.8	0.02	4.4	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S12-4	Tank	27.975	26.564	0.375	433.924	0.5	0.01	2.9	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S12-4	Tank	27.975	26.563	0.375	465.706	0.7	0.01	3.8	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S12-4	Tank	27.975	26.535	0.375	464.890	0.5	0.01	2.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S12-4	Tank	27.975	26.552	0.375	494.860	0.7	0.01	3.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S12-4	Tank	27.975	26.506	0.375	494.464	0.5	0.01	2.2	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S12-4	Tank	27.975	26.543	0.375	521.584	0.7	0.01	3.0	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S12-4	Tank	27.975	26.480	0.375	521.727	0.4	0.01	2.0	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S04-4	S05-4	27.886	27.087	0.450	305.772	3.2	3.21	505.5	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S04-4	S05-4	27.886	26.991	0.450	305.376	3.1	3.09	485.8	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S04-4	S05-4	27.886	26.705	0.450	400.702	2.6	2.61	411.3	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S04-4	S05-4	27.886	26.666	0.450	400.655	2.5	2.52	396.2	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S04-4	S05-4	27.886	26.632	0.450	499.061	2.4	2.39	375.7	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S04-4	S05-4	27.886	26.470	0.450	498.974	2.1	2.07	326.2	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S04-4	S05-4	27.886	26.354	0.450	575.328	1.7	1.77	278.0	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S04-4	S05-4	27.886	26.213	0.450	575.315	1.3	1.26	198.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S04-4	S05-4	27.886	26.275	0.450	627.551	1.3	1.34	211.6	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S04-4	S05-4	27.886	26.275	0.450	627.568	1.2	0.94	147.3	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S04-4	S05-4	27.886	26.321	0.450	668.988	1.2	1.11	175.4	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S04-4	S05-4	27.886	26.321	0.450	668.993	1.1	0.75	118.3	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S04-4	S05-4	27.886	26.388	0.450	734.785	1.1	0.84	131.5	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S04-4	S05-4	27.886	26.389	0.450	734.801	1.0	0.55	87.0	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S04-4	S05-4	27.886	26.437	0.450	787.738	1.0	0.68	107.0	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S04-4	S05-4	27.886	26.439	0.450	787.714	0.9	0.44	69.9	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S04-4	S05-4	27.886	26.474	0.450	832.756	0.9	0.58	90.9	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S04-4	S05-4	27.886	26.477	0.450	832.757	0.9	0.37	58.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S04-4	S05-4	27.886	26.504	0.450	872.350	0.9	0.5	78.4	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S04-4	S05-4	27.886	26.508	0.450	872.359	0.8	0.32	50.9	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S04-4	S05-4	27.886	26.548	0.450	940.604	0.8	0.4	63.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S04-4	S05-4	27.886	26.553	0.450	940.421	0.8	0.26	40.9	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S04-4	S05-4	27.886	26.597	0.450	1049.467	0.7	0.3	46.8	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S04-4	S05-4	27.886	26.605	0.450	1049.412	0.7	0.19	30.1	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S04-4	S05-4	27.886	26.615	0.450	1174.602	0.7	0.22	34.7	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S04-4	S05-4	27.886	26.630	0.450	1174.528	0.6	0.14	22.3	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S04-4	S05-4	27.886	26.610	0.450	1276.325	0.6	0.18	28.1	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S04-4	S05-4	27.886	26.625	0.450	1276.144	0.6	0.11	18.1	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S04-4	S05-4	27.886	26.592	0.450	1432.576	0.6	0.13	21.1	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S04-4	S05-4	27.886	26.594	0.450	1433.143	0.6	0.09	13.5	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S04-4	S05-4	27.886	26.575	0.450	1558.358	0.6	0.11	17.2	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S04-4	S05-4	27.886	26.564	0.450	1558.596	0.5	0.07	11.1	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S04-4	S05-4	27.886	26.563	0.450	1671.391	0.5	0.09	14.8	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S04-4	S05-4	27.886	26.535	0.450	1671.893	0.5	0.06	9.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S04-4	S05-4	27.886	26.552	0.450	1775.539	0.5	0.08	13.1	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S04-4	S05-4	27.886	26.506	0.450	1775.879	0.5	0.05	8.5	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S04-4	S05-4	27.886	26.543	0.450	1874.706	0.5	0.08	11.9	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S04-4	S05-4	27.886	26.480	0.450	1875.617	0.5	0.05	7.7	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.005-4 : 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	S05-4	Full Retention oil Interceptor	27.792	26.722	0.450	316.134	3.3	3.31	526.8	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.653	0.450	315.737	3.2	3.18	506.2	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.461	0.450	413.984	2.7	2.7	429.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.438	0.450	413.932	2.6	2.59	412.0	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.427	0.450	515.546	2.4	2.45	389.4	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.317	0.450	515.472	2.1	2.12	337.8	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.245	0.450	594.555	1.8	1.81	288.0	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.214	0.450	594.560	1.7	1.29	205.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.275	0.450	648.685	1.6	1.38	219.1	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.275	0.450	648.694	1.5	0.96	152.2	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.321	0.450	691.598	1.6	1.14	181.3	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.321	0.450	691.610	1.5	0.77	122.1	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.388	0.450	759.751	1.5	0.85	135.7	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.389	0.450	759.790	1.5	0.56	89.8	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.437	0.450	814.469	1.5	0.69	110.3	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.439	0.450	814.473	1.4	0.45	72.1	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.474	0.450	861.122	1.4	0.59	93.8	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.477	0.450	861.186	1.4	0.38	60.3	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.504	0.450	902.192	1.4	0.51	80.9	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.508	0.450	902.274	1.3	0.33	52.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.548	0.450	972.951	1.3	0.41	65.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.553	0.450	972.800	1.2	0.27	42.2	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.597	0.450	1085.745	1.1	0.3	48.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.605	0.450	1085.700	1.1	0.2	31.1	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.615	0.450	1215.341	1.0	0.22	35.8	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.630	0.450	1215.387	1.0	0.14	23.0	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.610	0.450	1320.858	1.0	0.18	29.0	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.625	0.450	1320.761	0.9	0.12	18.6	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.591	0.450	1484.066	0.9	0.14	21.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.594	0.450	1484.488	0.9	0.09	13.9	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.575	0.450	1614.355	0.9	0.11	17.7	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.564	0.450	1614.237	0.8	0.07	11.5	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.563	0.450	1731.539	0.8	0.1	15.3	Surcharged

FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.535	0.450	1731.524	0.8	0.06	9.9	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.552	0.450	1839.304	0.8	0.08	13.5	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.506	0.450	1839.338	0.8	0.05	8.7	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.543	0.450	1941.981	0.8	0.08	12.3	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.480	0.450	1942.772	0.7	0.05	7.9	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.002-4: 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	S02-4	S03-4	27.946	27.468	0.450	105.671	1.0	1.01	160.6	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S02-4	S03-4	27.946	27.355	0.450	105.260	1.0	1	158.4	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S02-4	S03-4	27.946	27.017	0.450	138.681	1.0	1.01	160.2	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S02-4	S03-4	27.946	26.998	0.450	138.632	1.0	1	157.7	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S02-4	S03-4	27.946	26.965	0.450	172.656	0.9	0.9	143.0	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S02-4	S03-4	27.946	26.755	0.450	172.565	0.7	0.71	111.8	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S02-4	S03-4	27.946	26.555	0.450	198.261	0.7	0.6	95.1	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S02-4	S03-4	27.946	26.252	0.291	198.221	0.7	0.43	67.8	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S02-4	S03-4	27.946	26.292	0.331	215.686	0.7	0.46	72.1	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S02-4	S03-4	27.946	26.274	0.330	215.719	0.7	0.32	50.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S02-4	S03-4	27.946	26.321	0.376	229.524	0.7	0.38	60.4	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S02-4	S03-4	27.946	26.321	0.376	229.538	0.7	0.26	40.9	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S02-4	S03-4	27.946	26.388	0.444	251.627	0.7	0.29	45.6	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S02-4	S03-4	27.946	26.389	0.444	251.641	0.7	0.19	30.1	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S02-4	S03-4	27.946	26.437	0.450	269.534	0.7	0.24	37.4	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S02-4	S03-4	27.946	26.439	0.450	269.503	0.6	0.15	24.3	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S02-4	S03-4	27.946	26.475	0.450	284.820	0.7	0.2	31.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S02-4	S03-4	27.946	26.477	0.450	284.826	0.6	0.13	20.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S02-4	S03-4	27.946	26.505	0.450	298.357	0.7	0.17	27.6	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S02-4	S03-4	27.946	26.507	0.450	298.379	0.6	0.11	17.9	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S02-4	S03-4	27.946	26.549	0.450	321.954	0.6	0.14	22.3	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S02-4	S03-4	27.946	26.553	0.450	321.777	0.6	0.09	14.4	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S02-4	S03-4	27.946	26.597	0.450	359.729	0.6	0.1	16.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S02-4	S03-4	27.946	26.605	0.450	359.769	0.5	0.07	10.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S02-4	S03-4	27.946	26.615	0.450	403.900	0.5	0.08	12.1	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S02-4	S03-4	27.946	26.630	0.450	403.832	0.5	0.05	7.8	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S02-4	S03-4	27.946	26.610	0.450	439.069	0.5	0.06	9.8	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S02-4	S03-4	27.946	26.625	0.450	438.941	0.4	0.04	6.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S02-4	S03-4	27.946	26.592	0.450	491.078	0.5	0.05	7.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S02-4	S03-4	27.946	26.594	0.450	491.436	0.4	0.03	4.8	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S02-4	S03-4	27.946	26.575	0.450	534.304	0.4	0.04	6.1	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S02-4	S03-4	27.946	26.564	0.450	534.801	0.4	0.02	3.9	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S02-4	S03-4	27.946	26.563	0.450	572.893	0.4	0.03	5.2	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S02-4	S03-4	27.946	26.535	0.450	573.654	0.4	0.02	3.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S02-4	S03-4	27.946	26.552	0.450	609.263	0.4	0.03	4.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S02-4	S03-4	27.946	26.506	0.450	609.011	0.4	0.02	3.0	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S02-4	S03-4	27.946	26.543	0.450	642.981	0.4	0.03	4.2	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S02-4	S03-4	27.946	26.480	0.450	642.597	0.3	0.02	2.7	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4 : 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	S01-4	S02-4	27.945	27.560	0.450	74.133	1.0	1.03	163.6	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S01-4	S02-4	27.945	27.436	0.450	74.138	1.0	0.97	154.5	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S01-4	S02-4	27.945	27.063	0.450	97.652	0.7	0.73	116.4	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S01-4	S02-4	27.945	27.043	0.450	97.628	0.7	0.68	107.8	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S01-4	S02-4	27.945	27.003	0.450	122.307	0.6	0.62	97.7	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S01-4	S02-4	27.945	26.776	0.450	122.279	0.6	0.5	78.8	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S01-4	S02-4	27.945	26.570	0.450	141.132	0.6	0.42	67.2	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S01-4	S02-4	27.945	26.276	0.249	141.125	0.6	0.3	48.2	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S01-4	S02-4	27.945	26.310	0.285	153.942	0.6	0.32	51.5	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S01-4	S02-4	27.945	26.274	0.259	153.932	0.6	0.23	35.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S01-4	S02-4	27.945	26.321	0.305	164.031	0.6	0.27	42.7	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S01-4	S02-4	27.945	26.321	0.305	164.012	0.6	0.18	28.8	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S01-4	S02-4	27.945	26.388	0.373	180.007	0.6	0.2	32.1	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S01-4	S02-4	27.945	26.389	0.373	180.011	0.6	0.13	21.2	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S01-4	S02-4	27.945	26.437	0.422	192.817	0.6	0.17	26.4	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S01-4	S02-4	27.945	26.439	0.423	192.818	0.5	0.11	17.1	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S01-4	S02-4	27.945	26.475	0.450	203.702	0.6	0.14	22.4	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S01-4	S02-4	27.945	26.477	0.450	203.720	0.5	0.09	14.4	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S01-4	S02-4	27.945	26.505	0.450	213.274	0.6	0.12	19.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S01-4	S02-4	27.945	26.507	0.450	213.268	0.5	0.08	12.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S01-4	S02-4	27.945	26.549	0.450	229.774	0.5	0.1	15.7	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S01-4	S02-4	27.945	26.553	0.450	229.709	0.5	0.06	10.2	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S01-4	S02-4	27.945	26.597	0.450	255.880	0.5	0.07	11.7	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S01-4	S02-4	27.945	26.605	0.450	255.896	0.5	0.05	7.5	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S01-4	S02-4	27.945	26.616	0.450	285.783	0.5	0.05	8.7	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S01-4	S02-4	27.945	26.630	0.450	285.711	0.4	0.04	5.6	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S01-4	S02-4	27.945	26.610	0.450	309.425	0.4	0.04	7.0	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S01-4	S02-4	27.945	26.625	0.450	309.463	0.4	0.03	4.5	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S01-4	S02-4	27.945	26.592	0.450	345.850	0.4	0.03	5.2	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S01-4	S02-4	27.945	26.594	0.450	346.012	0.4	0.02	3.4	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S01-4	S02-4	27.945	26.575	0.450	376.334	0.4	0.03	4.3	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S01-4	S02-4	27.945	26.564	0.450	376.454	0.3	0.02	2.8	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S01-4	S02-4	27.945	26.563	0.450	403.602	0.4	0.02	3.7	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S01-4	S02-4	27.945	26.535	0.450	403.680	0.3	0.01	2.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S01-4	S02-4	27.945	26.552	0.450	428.945	0.4	0.02	3.2	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S01-4	S02-4	27.945	26.506	0.450	428.778	0.3	0.01	2.1	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S01-4	S02-4	27.945	26.543	0.450	452.806	0.4	0.02	2.9	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S01-4	S02-4	27.945	26.480	0.450	452.453	0.3	0.01	1.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.007-4: 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	S07-4	27.850	25.863	0.225	8.560	0.4	0.18	6.7	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Tank	S07-4	27.850	25.863	0.225	8.634	0.5	0.17	6.3	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	Tank	S07-4	27.850	25.989	0.225	17.124	0.4	0.18	6.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	Tank	S07-4	27.850	25.989	0.225	17.203	0.4	0.18	6.5	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Tank	S07-4	27.850	26.119	0.225	32.202	0.3	0.17	6.2	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	Tank	S07-4	27.850	26.119	0.225	32.218	0.3	0.16	6.1	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	Tank	S07-4	27.850	26.214	0.225	64.628	0.3	0.16	6.0	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	Tank	S07-4	27.850	26.214	0.225	64.663	0.3	0.16	5.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	Tank	S07-4	27.850	26.275	0.225	99.180	0.3	0.16	5.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	Tank	S07-4	27.850	26.276	0.225	99.153	0.3	0.16	5.8	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	Tank	S07-4	27.850	26.321	0.225	134.530	0.3	0.16	5.8	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	Tank	S07-4	27.850	26.321	0.225	134.364	0.3	0.16	5.7	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	Tank	S07-4	27.850	26.388	0.225	206.743	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	Tank	S07-4	27.850	26.389	0.225	206.211	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Tank	S07-4	27.850	26.437	0.225	280.199	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	Tank	S07-4	27.850	26.439	0.225	279.234	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	Tank	S07-4	27.850	26.475	0.225	354.293	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	Tank	S07-4	27.850	26.477	0.225	352.884	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	Tank	S07-4	27.850	26.505	0.225	428.693	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	Tank	S07-4	27.850	26.508	0.225	426.828	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	Tank	S07-4	27.850	26.548	0.225	577.578	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	Tank	S07-4	27.850	26.553	0.225	574.810	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	Tank	S07-4	27.850	26.597	0.225	871.934	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	Tank	S07-4	27.850	26.605	0.225	867.711	0.3	0.15	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	Tank	S07-4	27.850	26.615	0.225	1295.573	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	Tank	S07-4	27.850	26.630	0.225	1290.161	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	Tank	S07-4	27.850	26.610	0.225	1707.447	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	Tank	S07-4	27.850	26.625	0.225	1700.899	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	Tank	S07-4	27.850	26.591	0.225	2574.462	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	Tank	S07-4	27.850	26.594	0.225	2571.160	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	Tank	S07-4	27.850	26.575	0.225	3109.788	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	Tank	S07-4	27.850	26.564	0.225	3109.820	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	Tank	S07-4	27.850	26.563	0.225	3346.062	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	Tank	S07-4	27.850	26.535	0.225	3345.500	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	Tank	S07-4	27.850	26.552	0.225	3558.104	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	Tank	S07-4	27.850	26.506	0.225	3557.438	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	Tank	S07-4	27.850	26.543	0.225	3757.292	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	Tank	S07-4	27.850	26.480	0.225	3758.465	0.3	0.15	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S-19-4	S02-4	26.950	26.980	0.300	18.326	1.5	1.07	104.6	Flood
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.977	0.300	17.794	1.4	1.01	98.1	Flood
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.971	0.300	23.406	1.6	1.19	115.5	Flood
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.965	0.300	23.276	1.5	1.1	107.0	Flood
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.958	0.300	29.228	0.9	0.54	52.1	Flood
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.766	0.300	29.245	0.8	0.19	18.8	Flood Risk
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.563	0.300	33.829	0.9	0.16	16.0	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.419	0.095	33.815	0.9	0.12	11.6	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.422	0.115	36.918	0.9	0.13	12.4	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.411	0.081	37.004	0.8	0.09	8.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.417	0.104	39.408	0.9	0.11	10.2	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.405	0.103	39.471	0.8	0.07	6.9	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.408	0.147	43.352	0.8	0.08	7.7	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.397	0.148	43.361	0.7	0.05	5.1	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.437	0.196	46.462	0.8	0.06	6.3	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.439	0.198	46.475	0.7	0.04	4.1	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.475	0.234	49.084	0.7	0.05	5.3	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.477	0.236	49.099	0.6	0.04	3.5	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.505	0.264	51.360	0.7	0.05	4.7	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.507	0.266	51.405	0.6	0.03	3.0	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.549	0.300	55.358	0.7	0.04	3.8	OK
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.553	0.300	55.333	0.6	0.02	2.4	OK
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.597	0.300	61.521	0.6	0.03	2.8	OK
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.605	0.300	61.578	0.5	0.02	1.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.616	0.300	68.416	0.6	0.02	2.1	OK
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.630	0.300	68.502	0.5	0.01	1.3	OK
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.610	0.300	73.941	0.5	0.02	1.7	OK
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.625	0.300	73.947	0.5	0.01	1.1	OK
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.592	0.300	82.670	0.5	0.01	1.3	OK
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.594	0.300	82.675	0.4	0.01	0.8	OK
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.575	0.300	90.052	0.4	0.01	1.0	OK
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.564	0.300	90.104	0.4	0.01	0.7	OK
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.563	0.300	96.330	0.4	0.01	0.9	OK
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.535	0.294	96.771	0.4	0.01	0.6	OK
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.552	0.300	102.636	0.4	0.01	0.8	OK
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.506	0.265	102.447	0.4	0.01	0.5	OK
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.543	0.300	108.269	0.4	0.01	0.7	OK
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.480	0.239	108.589	0.3	0	0.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.008 - 4: 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	S07-4	EX	27.633	25.860	0.039	7.423	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S07-4	EX	27.633	25.860	0.039	7.497	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S07-4	EX	27.633	25.986	0.039	15.849	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S07-4	EX	27.633	25.986	0.039	15.927	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S07-4	EX	27.633	26.117	0.039	30.785	1.2	0.06	5.5	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S07-4	EX	27.633	26.117	0.039	30.800	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S07-4	EX	27.633	26.212	0.039	63.115	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S07-4	EX	27.633	26.212	0.039	63.150	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S07-4	EX	27.633	26.273	0.039	97.610	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S07-4	EX	27.633	26.273	0.039	97.583	1.2	0.06	5.6	Surcharged

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S07-4	EX	27.633	26.319	0.039	132.921	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S07-4	EX	27.633	26.319	0.039	132.755	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S07-4	EX	27.633	26.386	0.039	205.086	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S07-4	EX	27.633	26.387	0.039	204.554	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S07-4	EX	27.633	26.434	0.039	278.516	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S07-4	EX	27.633	26.436	0.039	277.550	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S07-4	EX	27.633	26.472	0.039	352.596	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S07-4	EX	27.633	26.474	0.039	351.187	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S07-4	EX	27.633	26.502	0.039	426.993	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S07-4	EX	27.633	26.505	0.039	425.126	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S07-4	EX	27.633	26.545	0.039	575.888	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S07-4	EX	27.633	26.550	0.039	573.118	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S07-4	EX	27.633	26.593	0.039	870.306	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S07-4	EX	27.633	26.601	0.039	866.080	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S07-4	EX	27.633	26.612	0.039	1294.087	1.2	0.06	5.7	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S07-4	EX	27.633	26.626	0.039	1288.670	1.2	0.06	5.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S07-4	EX	27.633	26.607	0.039	1706.126	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S07-4	EX	27.633	26.622	0.039	1699.574	1.2	0.06	5.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S07-4	EX	27.633	26.588	0.039	2573.585	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S07-4	EX	27.633	26.591	0.039	2570.280	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S07-4	EX	27.633	26.572	0.039	3109.727	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S07-4	EX	27.633	26.561	0.039	3109.760	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S07-4	EX	27.633	26.560	0.039	3346.042	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S07-4	EX	27.633	26.532	0.039	3345.480	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S07-4	EX	27.633	26.549	0.039	3558.096	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S07-4	EX	27.633	26.503	0.039	3557.431	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S07-4	EX	27.633	26.540	0.039	3757.288	1.2	0.06	5.6	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S07-4	EX	27.633	26.477	0.039	3758.461	1.2	0.06	5.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.003-4: 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	S03-4	S04-4	27.908	27.460	0.450	207.321	1.8	1.23	281.1	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S03-4	S04-4	27.908	27.348	0.450	206.917	1.7	1.2	274.5	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S03-4	S04-4	27.908	26.998	0.450	271.805	1.6	1.13	257.4	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S03-4	S04-4	27.908	26.963	0.450	271.742	1.6	1.11	253.7	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S03-4	S04-4	27.908	26.913	0.450	337.768	1.5	1.08	246.3	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S03-4	S04-4	27.908	26.702	0.450	337.668	1.4	0.96	219.9	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S03-4	S04-4	27.908	26.517	0.450	388.471	1.2	0.82	187.3	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S03-4	S04-4	27.908	26.218	0.411	388.470	1.0	0.59	133.7	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S03-4	S04-4	27.908	26.275	0.450	423.195	0.9	0.62	142.0	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S03-4	S04-4	27.908	26.275	0.450	423.235	0.9	0.44	99.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S03-4	S04-4	27.908	26.321	0.450	450.807	0.9	0.52	118.3	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S03-4	S04-4	27.908	26.321	0.450	450.824	0.9	0.35	80.3	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S03-4	S04-4	27.908	26.388	0.450	494.773	0.9	0.39	89.1	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S03-4	S04-4	27.908	26.389	0.450	494.790	0.8	0.26	59.1	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S03-4	S04-4	27.908	26.437	0.450	530.301	0.8	0.32	72.5	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S03-4	S04-4	27.908	26.439	0.450	530.259	0.8	0.21	47.6	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S03-4	S04-4	27.908	26.475	0.450	560.554	0.8	0.27	61.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S03-4	S04-4	27.908	26.477	0.450	560.568	0.7	0.17	39.8	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S03-4	S04-4	27.908	26.505	0.450	587.250	0.7	0.23	52.9	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S03-4	S04-4	27.908	26.507	0.450	587.222	0.7	0.15	34.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S03-4	S04-4	27.908	26.549	0.450	633.337	0.7	0.19	43.1	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S03-4	S04-4	27.908	26.553	0.450	633.171	0.6	0.12	27.8	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S03-4	S04-4	27.908	26.597	0.450	707.096	0.6	0.14	31.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S03-4	S04-4	27.908	26.605	0.450	707.132	0.6	0.09	20.3	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S03-4	S04-4	27.908	26.615	0.450	792.776	0.5	0.1	23.4	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S03-4	S04-4	27.908	26.630	0.450	792.646	0.5	0.07	15.0	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S03-4	S04-4	27.908	26.610	0.450	862.067	0.5	0.08	19.0	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S03-4	S04-4	27.908	26.625	0.450	861.831	0.5	0.05	12.2	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S03-4	S04-4	27.908	26.592	0.450	965.994	0.5	0.06	14.3	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S03-4	S04-4	27.908	26.594	0.450	966.284	0.5	0.04	9.1	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S03-4	S04-4	27.908	26.575	0.450	1050.702	0.5	0.05	11.7	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S03-4	S04-4	27.908	26.564	0.450	1050.861	0.4	0.03	7.5	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S03-4	S04-4	27.908	26.563	0.450	1127.006	0.5	0.04	10.0	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S03-4	S04-4	27.908	26.535	0.450	1127.747	0.4	0.03	6.5	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S03-4	S04-4	27.908	26.552	0.450	1197.101	0.4	0.04	8.9	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S03-4	S04-4	27.908	26.506	0.450	1197.644	0.4	0.03	5.8	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S03-4	S04-4	27.908	26.543	0.450	1264.178	0.4	0.04	8.1	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S03-4	S04-4	27.908	26.480	0.450	1264.488	0.4	0.02	5.2	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -4,002-4: 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	S14-4	S13-4	27.975	26.790	0.343	75.540	1.6	0.82	165.0	OK
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S14-4	S13-4	27.975	26.780	0.320	75.636	1.6	0.78	156.2	OK
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S14-4	S13-4	27.975	26.733	0.269	99.814	1.5	0.57	115.1	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S14-4	S13-4	27.975	26.725	0.255	99.820	1.4	0.54	108.0	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S14-4	S13-4	27.975	26.716	0.241	125.327	1.4	0.5	100.1	OK
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S14-4	S13-4	27.975	26.694	0.206	125.333	1.3	0.4	80.5	OK
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S14-4	S13-4	27.975	26.680	0.202	145.106	1.3	0.34	68.8	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S14-4	S13-4	27.975	26.655	0.202	145.115	1.2	0.25	49.5	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S14-4	S13-4	27.975	26.660	0.230	158.529	1.2	0.27	53.0	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S14-4	S13-4	27.975	26.637	0.229	158.505	1.1	0.18	36.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S14-4	S13-4	27.975	26.647	0.252	169.041	1.2	0.22	43.7	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S14-4	S13-4	27.975	26.625	0.250	169.037	1.0	0.15	29.4	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S14-4	S13-4	27.975	26.631	0.283	185.628	1.1	0.16	32.8	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S14-4	S13-4	27.975	26.611	0.282	185.625	1.0	0.11	21.6	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S14-4	S13-4	27.975	26.621	0.307	198.854	1.0	0.13	27.0	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S14-4	S13-4	27.975	26.603	0.306	198.775	0.9	0.09	17.5	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S14-4	S13-4	27.975	26.613	0.324	210.023	1.0	0.11	22.9	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S14-4	S13-4	27.975	26.597	0.324	210.013	0.9	0.07	14.8	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S14-4	S13-4	27.975	26.607	0.339	219.818	0.9	0.1	20.0	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S14-4	S13-4	27.975	26.592	0.339	219.741	0.8	0.06	12.9	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S14-4	S13-4	27.975	26.599	0.360	236.524	0.8	0.08	16.1	OK
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S14-4	S13-4	27.975	26.585	0.363	236.452	0.8	0.05	10.4	OK
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S14-4	S13-4	27.975	26.596	0.375	262.945	0.8	0.06	11.9	OK
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S14-4	S13-4	27.975	26.604	0.375	262.965	0.7	0.04	7.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S14-4	S13-4	27.975	26.615	0.375	292.600	0.7	0.04	8.9	OK
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S14-4	S13-4	27.975	26.629	0.375	292.625	0.6	0.03	5.7	OK
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S14-4	S13-4	27.975	26.609	0.375	315.984	0.7	0.04	7.2	OK
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S14-4	S13-4	27.975	26.625	0.375	316.085	0.6	0.02	4.6	OK
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S14-4	S13-4	27.975	26.591	0.375	353.458	0.6	0.03	5.4	OK
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S14-4	S13-4	27.975	26.593	0.375	353.630	0.6	0.02	3.5	OK
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S14-4	S13-4	27.975	26.575	0.375	384.629	0.6	0.02	4.4	OK
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S14-4	S13-4	27.975	26.564	0.375	384.626	0.5	0.01	2.8	OK
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S14-4	S13-4	27.975	26.562	0.373	412.829	0.6	0.02	3.7	OK
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S14-4	S13-4	27.975	26.557	0.350	412.264	0.5	0.01	2.4	OK
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S14-4	S13-4	27.975	26.561	0.363	438.538	0.5	0.02	3.3	OK
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S14-4	S13-4	27.975	26.555	0.336	438.536	0.5	0.01	2.1	OK
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S14-4	S13-4	27.975	26.559	0.354	462.503	0.5	0.01	3.0	OK
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S14-4	S13-4	27.975	26.554	0.322	462.881	0.5	0.01	1.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -4.001-4: 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	S13-4	S12-4	27.975	26.275	0.329	75.625	1.3	1.24	136.4	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S13-4	S12-4	27.975	26.238	0.307	75.647	1.3	1.15	127.3	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S13-4	S12-4	27.975	26.184	0.289	97.204	1.3	1.03	114.1	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S13-4	S12-4	27.975	26.163	0.273	97.207	1.3	0.97	107.2	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S13-4	S12-4	27.975	26.144	0.374	119.608	1.2	0.9	99.9	OK
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S13-4	S12-4	27.975	26.118	0.374	119.648	1.2	0.72	80.0	OK
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S13-4	S12-4	27.975	26.214	0.375	137.891	1.2	0.63	69.6	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S13-4	S12-4	27.975	26.214	0.375	137.929	1.2	0.45	49.8	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S13-4	S12-4	27.975	26.275	0.375	150.749	1.1	0.48	53.2	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S13-4	S12-4	27.975	26.276	0.375	150.750	1.0	0.33	36.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S13-4	S12-4	27.975	26.321	0.375	160.948	1.0	0.4	43.8	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S13-4	S12-4	27.975	26.322	0.375	160.968	1.0	0.27	29.5	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S13-4	S12-4	27.975	26.388	0.375	177.175	0.9	0.29	31.7	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S13-4	S12-4	27.975	26.390	0.375	177.194	0.9	0.19	21.5	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S13-4	S12-4	27.975	26.437	0.375	190.224	0.8	0.23	25.3	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S13-4	S12-4	27.975	26.439	0.375	190.167	0.8	0.15	17.1	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S13-4	S12-4	27.975	26.475	0.375	201.315	0.8	0.19	20.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S13-4	S12-4	27.975	26.477	0.375	201.326	0.7	0.13	14.3	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S13-4	S12-4	27.975	26.505	0.375	211.096	0.7	0.16	17.6	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S13-4	S12-4	27.975	26.508	0.375	211.038	0.7	0.11	12.2	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S13-4	S12-4	27.975	26.549	0.375	227.895	0.7	0.13	14.1	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S13-4	S12-4	27.975	26.553	0.375	227.837	0.7	0.09	9.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S13-4	S12-4	27.975	26.597	0.375	254.782	0.6	0.1	10.5	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S13-4	S12-4	27.975	26.605	0.375	254.801	0.6	0.06	7.0	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S13-4	S12-4	27.975	26.616	0.375	285.854	0.6	0.07	7.9	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S13-4	S12-4	27.975	26.630	0.375	285.833	0.6	0.05	5.1	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S13-4	S12-4	27.975	26.610	0.375	312.324	0.5	0.06	6.4	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S13-4	S12-4	27.975	26.625	0.375	312.330	0.5	0.04	4.2	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S13-4	S12-4	27.975	26.592	0.375	353.551	0.5	0.04	4.8	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S13-4	S12-4	27.975	26.594	0.375	353.728	0.5	0.03	3.2	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S13-4	S12-4	27.975	26.576	0.375	384.700	0.5	0.04	3.9	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S13-4	S12-4	27.975	26.565	0.375	384.699	0.5	0.02	2.6	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S13-4	S12-4	27.975	26.563	0.375	412.885	0.5	0.03	3.4	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S13-4	S12-4	27.975	26.536	0.375	412.318	0.5	0.02	2.3	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S13-4	S12-4	27.975	26.552	0.375	438.586	0.5	0.03	3.0	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S13-4	S12-4	27.975	26.506	0.375	438.576	0.4	0.02	2.0	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S13-4	S12-4	27.975	26.543	0.375	462.546	0.5	0.02	2.7	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S13-4	S12-4	27.975	26.480	0.375	462.914	0.4	0.02	1.9	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -4.003-4: 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	S15-4	S14-4	27.970	27.204	0.264	71.920	1.9	0.72	161.9	OK
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S15-4	S14-4	27.970	27.191	0.253	71.930	1.9	0.68	152.2	OK
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S15-4	S14-4	27.970	27.136	0.202	94.725	1.8	0.49	109.3	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S15-4	S14-4	27.970	27.128	0.194	94.724	1.8	0.46	102.6	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S15-4	S14-4	27.970	27.119	0.185	118.886	1.8	0.42	95.1	OK
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S15-4	S14-4	27.970	27.096	0.163	118.883	1.7	0.34	76.5	OK
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S15-4	S14-4	27.970	27.082	0.148	137.665	1.6	0.29	65.3	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S15-4	S14-4	27.970	27.058	0.124	137.667	1.5	0.21	47.0	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S15-4	S14-4	27.970	27.062	0.128	150.410	1.5	0.22	50.4	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S15-4	S14-4	27.970	27.039	0.105	150.406	1.4	0.16	34.7	OK

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S15-4	S14-4	27.970	27.050	0.116	160.419	1.4	0.19	41.6	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S15-4	S14-4	27.970	27.028	0.094	160.409	1.3	0.12	27.9	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S15-4	S14-4	27.970	27.034	0.099	176.192	1.3	0.14	31.2	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S15-4	S14-4	27.970	27.015	0.080	176.194	1.2	0.09	20.6	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S15-4	S14-4	27.970	27.024	0.090	188.767	1.3	0.11	25.6	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S15-4	S14-4	27.970	27.006	0.072	188.745	1.1	0.07	16.6	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S15-4	S14-4	27.970	27.017	0.082	199.405	1.2	0.1	21.7	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S15-4	S14-4	27.970	27.001	0.066	199.407	1.1	0.06	14.0	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S15-4	S14-4	27.970	27.011	0.077	208.734	1.2	0.08	18.9	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S15-4	S14-4	27.970	26.997	0.061	208.713	1.0	0.05	12.2	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S15-4	S14-4	27.970	27.004	0.068	224.636	1.1	0.07	15.3	OK
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S15-4	S14-4	27.970	26.991	0.055	224.623	1.0	0.04	9.9	OK
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S15-4	S14-4	27.970	26.995	0.059	249.729	1.0	0.05	11.3	OK
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S15-4	S14-4	27.970	26.983	0.047	249.771	0.9	0.03	7.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S15-4	S14-4	27.970	26.987	0.050	277.950	1.0	0.04	8.4	OK
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S15-4	S14-4	27.970	26.977	0.058	277.993	0.8	0.02	5.4	OK
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S15-4	S14-4	27.970	26.982	0.048	300.226	0.9	0.03	6.8	OK
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S15-4	S14-4	27.970	26.973	0.055	300.371	0.8	0.02	4.4	OK
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S15-4	S14-4	27.970	26.976	0.039	335.822	0.8	0.02	5.1	OK
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S15-4	S14-4	27.970	26.969	0.040	336.077	0.7	0.01	3.3	OK
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S15-4	S14-4	27.970	26.972	0.036	365.276	0.8	0.02	4.1	OK
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S15-4	S14-4	27.970	26.966	0.029	365.565	0.7	0.01	2.7	OK
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S15-4	S14-4	27.970	26.970	0.033	391.924	0.7	0.02	3.5	OK
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S15-4	S14-4	27.970	26.964	0.027	391.639	0.6	0.01	2.3	OK
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S15-4	S14-4	27.970	26.968	0.031	416.277	0.7	0.01	3.1	OK
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S15-4	S14-4	27.970	26.962	0.026	416.377	0.6	0.01	2.0	OK
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S15-4	S14-4	27.970	26.967	0.030	439.677	0.7	0.01	2.8	OK
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S15-4	S14-4	27.970	26.961	0.025	439.339	0.6	0.01	1.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -5.000-4: 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	S16-4	Tank	28.087	27.433	0.375	212.168	4.4	2.2	483.6	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S16-4	Tank	28.087	27.337	0.375	212.168	4.1	2.06	454.5	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S16-4	Tank	28.087	26.952	0.375	279.479	2.9	1.46	322.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S16-4	Tank	28.087	26.906	0.375	279.478	2.7	1.37	302.8	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S16-4	Tank	28.087	26.866	0.375	350.805	2.5	1.27	280.7	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S16-4	Tank	28.087	26.761	0.375	350.803	2.0	1.02	225.7	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S16-4	Tank	28.087	26.624	0.304	406.239	2.0	0.88	192.8	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S16-4	Tank	28.087	26.547	0.238	406.250	1.9	0.63	138.7	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S16-4	Tank	28.087	26.560	0.249	443.808	1.9	0.67	148.7	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S16-4	Tank	28.087	26.500	0.196	443.811	1.8	0.47	102.5	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S16-4	Tank	28.087	26.527	0.219	473.375	1.8	0.56	122.7	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S16-4	Tank	28.087	26.474	0.172	473.356	1.7	0.37	82.5	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S16-4	Tank	28.087	26.487	0.184	519.893	1.7	0.42	92.1	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S16-4	Tank	28.087	26.442	0.145	519.856	1.5	0.28	60.6	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S16-4	Tank	28.087	26.464	0.190	556.944	1.6	0.34	75.6	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S16-4	Tank	28.087	26.439	0.192	556.958	1.5	0.22	48.9	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S16-4	Tank	28.087	26.475	0.228	588.313	1.6	0.29	64.1	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S16-4	Tank	28.087	26.477	0.230	588.297	1.4	0.19	41.3	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S16-4	Tank	28.087	26.504	0.257	615.777	1.5	0.25	55.9	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S16-4	Tank	28.087	26.508	0.261	615.765	1.4	0.16	36.1	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S16-4	Tank	28.087	26.548	0.301	662.714	1.4	0.2	45.1	OK
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S16-4	Tank	28.087	26.553	0.306	662.739	1.3	0.13	29.1	OK
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S16-4	Tank	28.087	26.597	0.350	736.943	1.3	0.15	33.4	OK
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S16-4	Tank	28.087	26.605	0.358	736.918	1.2	0.1	21.6	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S16-4	Tank	28.087	26.615	0.368	820.228	1.2	0.11	24.8	OK
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S16-4	Tank	28.087	26.630	0.375	820.198	1.1	0.07	16.0	OK
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S16-4	Tank	28.087	26.610	0.363	886.307	1.2	0.09	20.1	OK
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S16-4	Tank	28.087	26.625	0.375	886.308	1.0	0.06	13.0	OK
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S16-4	Tank	28.087	26.591	0.344	990.992	1.1	0.07	15.0	OK
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S16-4	Tank	28.087	26.594	0.347	991.054	1.0	0.04	9.7	OK
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S16-4	Tank	28.087	26.575	0.328	1078.098	1.0	0.06	12.2	OK
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S16-4	Tank	28.087	26.564	0.317	1078.139	0.9	0.04	7.9	OK
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S16-4	Tank	28.087	26.563	0.316	1156.016	1.0	0.05	10.5	OK
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S16-4	Tank	28.087	26.535	0.288	1156.177	0.9	0.03	6.8	OK
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S16-4	Tank	28.087	26.552	0.305	1228.564	0.9	0.04	9.3	OK
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S16-4	Tank	28.087	26.506	0.259	1228.204	0.8	0.03	6.0	OK
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S16-4	Tank	28.087	26.543	0.296	1297.420	0.9	0.04	8.4	OK
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S16-4	Tank	28.087	26.480	0.233	1297.635	0.8	0.02	5.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.006-4 : 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	Full Retention oil Interceptor	Tank	27.943	26.249	0.383	351.562	4.7	1.18	556.8	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.215	0.373	351.518	4.8	1.13	534.7	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.194	0.450	461.244	4.1	0.92	433.2	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.156	0.450	461.166	4.1	0.9	423.5	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.214	0.450	576.362	3.5	0.87	408.7	Surcharged

FEH: 200 years: +45 %: 60 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.206	0.450	576.383	3.6	0.79	373.0	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.314	0.450	663.854	3.0	0.68	321.5	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.314	0.450	663.899	3.1	0.48	228.1	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.385	0.450	725.677	2.8	0.51	240.8	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.385	0.450	725.713	2.8	0.36	168.9	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.440	0.450	775.456	2.7	0.41	195.6	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.441	0.450	775.528	2.6	0.29	135.4	Surcharged

FEH: 200 years: +45 %: 360 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.523	0.450	856.046	2.5	0.31	148.0	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.524	0.450	855.977	2.3	0.21	99.1	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.584	0.450	921.073	2.3	0.26	121.7	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.587	0.450	921.068	2.1	0.17	79.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.632	0.450	976.347	2.3	0.22	104.1	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.635	0.450	976.305	2.0	0.14	67.3	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.670	0.450	1024.745	2.2	0.19	90.7	Surcharged

FEH: 200 years: +45 %: 720 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.674	0.450	1024.775	1.9	0.12	58.5	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.728	0.450	1107.384	2.0	0.16	73.3	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.733	0.450	1107.218	1.7	0.1	47.1	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.794	0.450	1237.057	1.8	0.11	54.2	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.803	0.450	1236.961	1.5	0.07	34.9	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.825	0.450	1381.316	1.7	0.08	40.1	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.841	0.450	1381.230	1.4	0.05	25.9	Surcharged

FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.820	0.450	1496.796	1.6	0.07	32.4	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.842	0.450	1496.283	1.2	0.04	20.9	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.795	0.450	1680.103	1.4	0.05	24.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.803	0.450	1679.562	1.1	0.03	15.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.770	0.450	1820.304	1.4	0.04	19.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.768	0.450	1820.963	1.0	0.03	12.6	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.749	0.450	1940.994	1.3	0.04	16.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.731	0.450	1939.749	0.9	0.02	10.8	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.732	0.450	2051.326	1.3	0.03	14.7	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.697	0.450	2050.485	0.9	0.02	9.5	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.718	0.450	2156.410	1.2	0.03	13.3	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.664	0.450	2156.390	0.9	0.02	8.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -4.000-4: 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	S12-4	Tank	27.975	25.912	0.367	91.415	2.6	0.64	173.3	OK
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S12-4	Tank	27.975	25.912	0.367	91.415	2.6	0.61	164.4	OK
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S12-4	Tank	27.975	26.057	0.375	117.498	2.1	0.54	144.8	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S12-4	Tank	27.975	26.056	0.375	117.511	2.2	0.5	135.4	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S12-4	Tank	27.975	26.207	0.375	147.020	1.9	0.44	117.7	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S12-4	Tank	27.975	26.207	0.375	147.049	2.0	0.35	93.5	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S12-4	Tank	27.975	26.314	0.375	170.612	1.8	0.31	82.8	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S12-4	Tank	27.975	26.314	0.375	170.635	1.7	0.22	58.4	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S12-4	Tank	27.975	26.385	0.375	187.260	1.6	0.24	63.7	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S12-4	Tank	27.975	26.386	0.375	187.280	1.6	0.16	42.7	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S12-4	Tank	27.975	26.440	0.375	200.669	1.6	0.18	49.6	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S12-4	Tank	27.975	26.441	0.375	200.686	1.5	0.13	34.7	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S12-4	Tank	27.975	26.523	0.375	222.280	1.4	0.14	36.7	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S12-4	Tank	27.975	26.525	0.375	222.287	1.3	0.09	24.1	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S12-4	Tank	27.975	26.585	0.375	239.711	1.3	0.11	29.9	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S12-4	Tank	27.975	26.587	0.375	239.708	1.2	0.07	19.5	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S12-4	Tank	27.975	26.632	0.375	254.534	1.2	0.09	25.5	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S12-4	Tank	27.975	26.635	0.375	254.560	1.1	0.06	16.5	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S12-4	Tank	27.975	26.671	0.375	267.518	1.2	0.08	22.4	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S12-4	Tank	27.975	26.674	0.375	267.511	1.1	0.05	14.7	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S12-4	Tank	27.975	26.728	0.375	289.718	1.2	0.07	18.6	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S12-4	Tank	27.975	26.733	0.375	289.635	1.0	0.04	12.0	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S12-4	Tank	27.975	26.794	0.375	324.652	1.1	0.05	14.1	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S12-4	Tank	27.975	26.803	0.375	324.669	0.9	0.03	9.2	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S12-4	Tank	27.975	26.825	0.375	363.465	1.0	0.04	10.8	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S12-4	Tank	27.975	26.841	0.375	363.458	0.8	0.03	6.9	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S12-4	Tank	27.975	26.820	0.375	394.071	0.9	0.03	8.7	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S12-4	Tank	27.975	26.842	0.375	394.375	0.7	0.02	5.6	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S12-4	Tank	27.975	26.794	0.375	449.705	0.8	0.02	6.5	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S12-4	Tank	27.975	26.803	0.375	449.209	0.6	0.02	4.2	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S12-4	Tank	27.975	26.770	0.375	489.275	0.8	0.02	5.3	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S12-4	Tank	27.975	26.768	0.375	488.998	0.5	0.01	3.4	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S12-4	Tank	27.975	26.749	0.375	522.094	0.8	0.02	4.5	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S12-4	Tank	27.975	26.731	0.375	521.248	0.5	0.01	2.9	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S12-4	Tank	27.975	26.732	0.375	551.068	0.7	0.01	3.9	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S12-4	Tank	27.975	26.697	0.375	550.930	0.5	0.01	2.5	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S12-4	Tank	27.975	26.718	0.375	580.198	0.7	0.01	3.5	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S12-4	Tank	27.975	26.664	0.375	579.753	0.4	0.01	2.2	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S04-4	S05-4	27.886	27.306	0.450	342.412	3.4	3.48	547.5	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S04-4	S05-4	27.886	27.187	0.450	342.373	3.3	3.33	524.0	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S04-4	S05-4	27.886	26.808	0.450	450.129	2.7	2.68	421.7	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S04-4	S05-4	27.886	26.741	0.450	450.044	2.6	2.6	408.9	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S04-4	S05-4	27.886	26.737	0.450	562.318	2.5	2.52	397.0	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S04-4	S05-4	27.886	26.619	0.450	562.314	2.3	2.29	360.2	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S04-4	S05-4	27.886	26.467	0.450	647.295	2.0	1.99	312.9	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S04-4	S05-4	27.886	26.313	0.450	647.274	1.4	1.41	221.7	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S04-4	S05-4	27.886	26.385	0.450	707.274	1.5	1.51	238.1	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S04-4	S05-4	27.886	26.385	0.450	707.267	1.2	1.05	164.6	Surcharged

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S04-4	S05-4	27.886	26.440	0.450	755.555	1.2	1.22	192.4	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S04-4	S05-4	27.886	26.440	0.450	755.587	1.1	0.84	132.7	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S04-4	S05-4	27.886	26.523	0.450	833.670	1.1	0.93	145.8	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S04-4	S05-4	27.886	26.524	0.450	833.664	1.0	0.62	97.2	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S04-4	S05-4	27.886	26.584	0.450	896.707	1.0	0.76	119.0	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S04-4	S05-4	27.886	26.587	0.450	896.682	0.9	0.5	78.1	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S04-4	S05-4	27.886	26.632	0.450	950.163	0.9	0.65	101.8	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S04-4	S05-4	27.886	26.635	0.450	950.068	0.9	0.42	65.9	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S04-4	S05-4	27.886	26.670	0.450	996.926	0.9	0.56	88.6	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S04-4	S05-4	27.886	26.674	0.450	996.912	0.8	0.36	57.2	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S04-4	S05-4	27.886	26.728	0.450	1076.687	0.8	0.45	71.5	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S04-4	S05-4	27.886	26.733	0.450	1076.565	0.8	0.29	46.0	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S04-4	S05-4	27.886	26.794	0.450	1201.611	0.7	0.34	52.8	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S04-4	S05-4	27.886	26.803	0.450	1201.493	0.7	0.22	34.0	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S04-4	S05-4	27.886	26.825	0.450	1340.150	0.6	0.25	39.0	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S04-4	S05-4	27.886	26.841	0.450	1340.032	0.6	0.16	25.2	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S04-4	S05-4	27.886	26.820	0.450	1450.725	0.6	0.2	31.5	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S04-4	S05-4	27.886	26.842	0.450	1450.272	0.6	0.13	20.4	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S04-4	S05-4	27.886	26.795	0.450	1624.252	0.6	0.15	23.4	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S04-4	S05-4	27.886	26.803	0.450	1623.746	0.6	0.1	15.1	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S04-4	S05-4	27.886	26.770	0.450	1757.247	0.6	0.12	19.0	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S04-4	S05-4	27.886	26.768	0.450	1757.844	0.5	0.08	12.3	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S04-4	S05-4	27.886	26.749	0.450	1873.916	0.5	0.1	16.2	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S04-4	S05-4	27.886	26.731	0.450	1872.359	0.5	0.07	10.5	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S04-4	S05-4	27.886	26.732	0.450	1980.097	0.5	0.09	14.4	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S04-4	S05-4	27.886	26.697	0.450	1979.579	0.5	0.06	9.3	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S04-4	S05-4	27.886	26.718	0.450	2081.868	0.5	0.08	13.0	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S04-4	S05-4	27.886	26.664	0.450	2081.627	0.5	0.05	8.4	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.005-4 : 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	S05-4	Full Retention oil Interceptor	27.792	26.882	0.450	353.886	3.6	3.59	570.8	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.797	0.450	353.835	3.4	3.43	546.4	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.554	0.450	464.940	2.8	2.76	439.1	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.500	0.450	464.854	2.7	2.68	426.2	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.522	0.450	581.026	2.6	2.59	412.6	Surcharged

FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.431	0.450	581.028	2.3	2.35	373.4	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.326	0.450	669.065	2.0	2.03	323.6	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.314	0.450	669.085	1.7	1.44	229.5	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.385	0.450	731.212	1.6	1.55	246.3	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.385	0.450	731.247	1.5	1.07	170.0	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.440	0.450	781.230	1.6	1.25	198.9	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.441	0.450	781.305	1.5	0.86	136.9	Surcharged

FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.523	0.450	862.145	1.5	0.94	150.4	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.524	0.450	862.137	1.5	0.63	100.3	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.584	0.450	927.228	1.4	0.77	123.0	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.587	0.450	927.256	1.4	0.51	80.6	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.632	0.450	982.734	1.4	0.66	105.2	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.635	0.450	982.657	1.4	0.43	68.0	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.670	0.450	1031.190	1.3	0.58	91.6	Surcharged

FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.674	0.450	1031.234	1.3	0.37	59.1	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.728	0.450	1113.864	1.2	0.46	74.0	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.733	0.450	1113.701	1.2	0.3	47.6	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.794	0.450	1243.283	1.1	0.34	54.7	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.803	0.450	1243.210	1.1	0.22	35.2	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.825	0.450	1386.835	1.0	0.25	40.4	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.841	0.450	1386.781	1.0	0.16	26.1	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.820	0.450	1501.450	0.9	0.21	32.7	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.842	0.450	1500.975	0.9	0.13	21.1	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.795	0.450	1681.917	0.9	0.15	24.2	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.803	0.450	1681.441	0.9	0.1	15.6	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.770	0.450	1820.300	0.9	0.12	19.6	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.768	0.450	1820.956	0.8	0.08	12.7	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.749	0.450	1940.988	0.8	0.11	16.8	Surcharged

FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.731	0.450	1939.743	0.8	0.07	10.8	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.732	0.450	2051.321	0.8	0.09	14.9	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.697	0.450	2050.478	0.8	0.06	9.6	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.718	0.450	2156.404	0.8	0.08	13.4	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.664	0.450	2156.384	0.8	0.05	8.7	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.002-4: 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	S02-4	S03-4	27.946	27.720	0.450	118.435	1.1	1.01	160.1	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S02-4	S03-4	27.946	27.581	0.450	118.405	1.1	0.99	157.3	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S02-4	S03-4	27.946	27.126	0.450	155.930	1.0	1.01	159.7	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S02-4	S03-4	27.946	27.063	0.450	155.877	1.0	0.99	156.1	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S02-4	S03-4	27.946	27.032	0.450	193.810	0.9	0.92	146.1	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S02-4	S03-4	27.946	26.949	0.450	193.784	0.8	0.76	120.0	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S02-4	S03-4	27.946	26.727	0.450	221.905	0.7	0.67	106.7	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S02-4	S03-4	27.946	26.340	0.382	221.916	0.7	0.47	74.9	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S02-4	S03-4	27.946	26.414	0.450	241.842	0.7	0.5	79.9	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S02-4	S03-4	27.946	26.385	0.440	241.852	0.7	0.36	56.9	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S02-4	S03-4	27.946	26.441	0.450	257.892	0.7	0.41	64.9	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S02-4	S03-4	27.946	26.440	0.450	257.867	0.7	0.29	46.0	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S02-4	S03-4	27.946	26.523	0.450	284.098	0.7	0.32	50.5	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S02-4	S03-4	27.946	26.524	0.450	284.101	0.7	0.21	34.0	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S02-4	S03-4	27.946	26.585	0.450	305.458	0.7	0.26	41.5	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S02-4	S03-4	27.946	26.587	0.450	305.464	0.7	0.17	27.1	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S02-4	S03-4	27.946	26.632	0.450	323.705	0.7	0.22	35.0	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S02-4	S03-4	27.946	26.635	0.450	323.624	0.6	0.14	22.9	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S02-4	S03-4	27.946	26.671	0.450	339.691	0.7	0.19	30.4	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S02-4	S03-4	27.946	26.674	0.450	339.683	0.6	0.13	19.9	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S02-4	S03-4	27.946	26.728	0.450	367.011	0.6	0.16	24.6	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S02-4	S03-4	27.946	26.733	0.450	366.972	0.6	0.1	15.9	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S02-4	S03-4	27.946	26.794	0.450	410.094	0.6	0.11	18.0	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S02-4	S03-4	27.946	26.803	0.450	410.048	0.5	0.07	11.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S02-4	S03-4	27.946	26.825	0.450	458.948	0.5	0.08	13.2	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S02-4	S03-4	27.946	26.841	0.450	458.867	0.5	0.05	8.5	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S02-4	S03-4	27.946	26.820	0.450	498.363	0.5	0.07	10.7	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S02-4	S03-4	27.946	26.842	0.450	498.078	0.5	0.04	6.9	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S02-4	S03-4	27.946	26.795	0.450	557.534	0.5	0.05	8.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S02-4	S03-4	27.946	26.803	0.450	557.042	0.4	0.03	5.1	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S02-4	S03-4	27.946	26.770	0.450	602.698	0.4	0.04	6.5	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S02-4	S03-4	27.946	26.768	0.450	602.908	0.4	0.03	4.2	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S02-4	S03-4	27.946	26.749	0.450	643.166	0.4	0.04	5.6	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S02-4	S03-4	27.946	26.731	0.450	641.714	0.4	0.02	3.6	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S02-4	S03-4	27.946	26.732	0.450	678.852	0.4	0.03	5.0	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S02-4	S03-4	27.946	26.697	0.450	678.966	0.4	0.02	3.3	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S02-4	S03-4	27.946	26.718	0.450	714.136	0.4	0.03	4.5	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S02-4	S03-4	27.946	26.664	0.450	713.854	0.4	0.02	2.9	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4 : 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	S01-4	S02-4	27.945	27.831	0.450	83.104	1.1	1.15	182.7	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S01-4	S02-4	27.945	27.681	0.450	83.102	1.1	1.09	172.3	Flood Risk
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S01-4	S02-4	27.945	27.178	0.450	110.126	0.8	0.8	126.8	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S01-4	S02-4	27.945	27.109	0.450	110.128	0.7	0.75	119.0	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S01-4	S02-4	27.945	27.073	0.450	137.993	0.7	0.7	110.9	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S01-4	S02-4	27.945	26.975	0.450	137.982	0.6	0.56	89.6	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S01-4	S02-4	27.945	26.745	0.450	158.824	0.6	0.47	75.3	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S01-4	S02-4	27.945	26.354	0.331	158.823	0.6	0.34	54.0	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S01-4	S02-4	27.945	26.425	0.404	173.405	0.6	0.36	57.9	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S01-4	S02-4	27.945	26.385	0.369	173.412	0.6	0.25	40.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S01-4	S02-4	27.945	26.442	0.426	185.133	0.6	0.3	47.5	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S01-4	S02-4	27.945	26.440	0.425	185.123	0.6	0.21	32.6	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S01-4	S02-4	27.945	26.523	0.450	204.016	0.6	0.23	36.2	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S01-4	S02-4	27.945	26.524	0.450	204.024	0.6	0.15	24.0	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S01-4	S02-4	27.945	26.585	0.450	219.250	0.6	0.19	29.8	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S01-4	S02-4	27.945	26.587	0.450	219.258	0.6	0.12	19.4	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S01-4	S02-4	27.945	26.632	0.450	232.200	0.6	0.16	25.3	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S01-4	S02-4	27.945	26.635	0.450	232.177	0.5	0.1	16.4	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S01-4	S02-4	27.945	26.671	0.450	243.499	0.6	0.14	22.0	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S01-4	S02-4	27.945	26.674	0.450	243.524	0.5	0.09	14.3	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S01-4	S02-4	27.945	26.728	0.450	262.773	0.5	0.11	17.8	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S01-4	S02-4	27.945	26.733	0.450	262.754	0.5	0.07	11.5	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S01-4	S02-4	27.945	26.794	0.450	292.883	0.5	0.08	13.2	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S01-4	S02-4	27.945	26.803	0.450	292.857	0.5	0.05	8.5	Surcharged

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S01-4	S02-4	27.945	26.825	0.450	326.236	0.5	0.06	9.7	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S01-4	S02-4	27.945	26.841	0.450	326.206	0.4	0.04	6.2	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S01-4	S02-4	27.945	26.820	0.450	352.553	0.4	0.05	7.8	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S01-4	S02-4	27.945	26.842	0.450	352.417	0.4	0.03	5.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S01-4	S02-4	27.945	26.795	0.450	392.639	0.4	0.04	5.8	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S01-4	S02-4	27.945	26.803	0.450	392.381	0.4	0.02	3.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S01-4	S02-4	27.945	26.770	0.450	424.497	0.4	0.03	4.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S01-4	S02-4	27.945	26.768	0.450	424.569	0.4	0.02	3.1	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S01-4	S02-4	27.945	26.749	0.450	452.677	0.4	0.03	4.1	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S01-4	S02-4	27.945	26.731	0.450	452.359	0.3	0.02	2.6	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S01-4	S02-4	27.945	26.732	0.450	477.906	0.4	0.02	3.6	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S01-4	S02-4	27.945	26.697	0.450	477.990	0.3	0.01	2.3	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S01-4	S02-4	27.945	26.718	0.450	502.721	0.4	0.02	3.3	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S01-4	S02-4	27.945	26.664	0.450	502.602	0.3	0.01	2.1	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.007-4: 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	S07-4	27.850	25.912	0.225	8.656	0.5	0.17	6.2	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	Tank	S07-4	27.850	25.912	0.225	8.734	0.5	0.18	6.6	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	Tank	S07-4	27.850	26.057	0.225	16.869	0.4	0.17	6.4	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	Tank	S07-4	27.850	26.057	0.225	16.935	0.4	0.17	6.3	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	Tank	S07-4	27.850	26.207	0.225	32.408	0.3	0.17	6.3	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	Tank	S07-4	27.850	26.207	0.225	32.404	0.3	0.17	6.2	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	Tank	S07-4	27.850	26.314	0.225	67.315	0.3	0.16	6.0	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	Tank	S07-4	27.850	26.314	0.225	67.242	0.3	0.16	5.9	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	Tank	S07-4	27.850	26.385	0.225	103.707	0.3	0.16	5.9	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	Tank	S07-4	27.850	26.386	0.225	103.440	0.3	0.16	5.8	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	Tank	S07-4	27.850	26.440	0.225	141.026	0.3	0.16	5.8	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	Tank	S07-4	27.850	26.441	0.225	140.520	0.3	0.16	5.8	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	Tank	S07-4	27.850	26.523	0.225	217.439	0.3	0.15	5.7	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	Tank	S07-4	27.850	26.525	0.225	216.370	0.3	0.15	5.7	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	Tank	S07-4	27.850	26.585	0.225	295.363	0.3	0.15	5.7	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	Tank	S07-4	27.850	26.587	0.225	293.699	0.3	0.15	5.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	Tank	S07-4	27.850	26.632	0.225	374.210	0.3	0.15	5.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	Tank	S07-4	27.850	26.635	0.225	371.921	0.3	0.15	5.7	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	Tank	S07-4	27.850	26.671	0.225	453.505	0.3	0.16	5.8	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	Tank	S07-4	27.850	26.674	0.225	450.605	0.3	0.16	5.8	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	Tank	S07-4	27.850	26.728	0.225	612.585	0.3	0.16	5.9	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	Tank	S07-4	27.850	26.733	0.225	608.472	0.3	0.16	5.9	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	Tank	S07-4	27.850	26.794	0.225	928.425	0.3	0.16	6.0	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	Tank	S07-4	27.850	26.803	0.225	922.226	0.3	0.16	6.0	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	Tank	S07-4	27.850	26.825	0.225	1384.844	0.3	0.16	6.1	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	Tank	S07-4	27.850	26.841	0.225	1376.488	0.3	0.16	6.1	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	Tank	S07-4	27.850	26.820	0.225	1814.360	0.3	0.16	6.1	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	Tank	S07-4	27.850	26.842	0.225	1805.089	0.3	0.16	6.1	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	Tank	S07-4	27.850	26.794	0.225	2658.166	0.3	0.16	6.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	Tank	S07-4	27.850	26.803	0.225	2647.745	0.3	0.16	6.0	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	Tank	S07-4	27.850	26.770	0.225	3478.818	0.3	0.16	6.0	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	Tank	S07-4	27.850	26.768	0.225	3477.745	0.3	0.16	6.0	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	Tank	S07-4	27.850	26.749	0.225	3748.906	0.3	0.16	5.9	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	Tank	S07-4	27.850	26.731	0.225	3746.453	0.3	0.16	5.9	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	Tank	S07-4	27.850	26.732	0.225	3966.724	0.3	0.16	5.9	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	Tank	S07-4	27.850	26.697	0.225	3965.709	0.3	0.16	5.8	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	Tank	S07-4	27.850	26.718	0.225	4172.528	0.3	0.16	5.9	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	Tank	S07-4	27.850	26.664	0.225	4171.607	0.3	0.16	5.8	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	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- 4: 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	S-19-4	S02-4	26.950	26.995	0.300	20.851	2.0	1.45	141.0	Flood
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.991	0.300	20.765	2.0	1.45	140.7	Flood
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.984	0.300	26.377	1.6	1.18	115.0	Flood
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.978	0.300	26.304	1.4	1.03	99.9	Flood
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.972	0.300	33.047	1.2	0.86	83.8	Flood
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.951	0.300	33.078	0.8	0.2	19.4	Flood
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.736	0.300	38.192	0.8	0.18	18.0	Flood Risk
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.423	0.140	38.202	0.9	0.13	13.1	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.430	0.181	41.777	0.8	0.14	13.9	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.415	0.144	41.778	0.9	0.1	9.7	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.441	0.200	44.499	0.9	0.12	11.6	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.440	0.199	44.498	0.8	0.08	7.8	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.523	0.282	48.855	0.8	0.09	8.8	OK
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.524	0.283	48.904	0.8	0.06	5.8	OK
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.585	0.300	52.403	0.8	0.07	7.2	OK
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.587	0.300	52.426	0.7	0.05	4.7	OK
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.632	0.300	55.457	0.8	0.06	6.1	OK
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.635	0.300	55.431	0.7	0.04	3.9	OK
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.671	0.300	58.140	0.7	0.05	5.3	Flood Risk
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.674	0.300	58.162	0.6	0.04	3.4	Flood Risk
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.728	0.300	62.739	0.7	0.04	4.3	Flood Risk
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.733	0.300	62.755	0.6	0.03	2.8	Flood Risk
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.794	0.300	70.100	0.6	0.03	3.2	Flood Risk
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.803	0.300	70.096	0.6	0.02	2.1	Flood Risk

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.825	0.300	78.428	0.6	0.02	2.4	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.841	0.300	78.497	0.5	0.02	1.5	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.820	0.300	84.431	0.5	0.02	1.9	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.842	0.300	84.565	0.5	0.01	1.2	Flood Risk
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.795	0.300	93.935	0.5	0.01	1.4	Flood Risk
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.803	0.300	93.779	0.4	0.01	0.9	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.770	0.300	101.402	0.5	0.01	1.2	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.768	0.300	101.461	0.4	0.01	0.7	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.749	0.300	108.586	0.4	0.01	1.0	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.731	0.300	107.937	0.4	0.01	0.6	Flood Risk
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.732	0.300	114.156	0.4	0.01	0.9	Flood Risk
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.697	0.300	114.585	0.4	0.01	0.6	Flood Risk
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.718	0.300	120.451	0.4	0.01	0.8	Flood Risk
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.664	0.300	120.370	0.4	0.01	0.5	Flood Risk

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.008 - 4: 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	S07-4	EX	27.633	25.909	0.039	7.462	1.2	0.06	5.5	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S07-4	EX	27.633	25.909	0.039	7.539	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S07-4	EX	27.633	26.054	0.039	15.515	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S07-4	EX	27.633	26.054	0.039	15.581	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S07-4	EX	27.633	26.205	0.039	30.887	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S07-4	EX	27.633	26.205	0.039	30.884	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S07-4	EX	27.633	26.312	0.039	65.686	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S07-4	EX	27.633	26.312	0.039	65.612	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S07-4	EX	27.633	26.383	0.039	102.010	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S07-4	EX	27.633	26.383	0.039	101.742	1.2	0.06	5.6	Surcharged

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S07-4	EX	27.633	26.437	0.039	139.281	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S07-4	EX	27.633	26.438	0.039	138.774	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S07-4	EX	27.633	26.520	0.039	215.629	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S07-4	EX	27.633	26.522	0.039	214.559	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S07-4	EX	27.633	26.581	0.039	293.515	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S07-4	EX	27.633	26.584	0.039	291.850	1.2	0.06	5.6	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S07-4	EX	27.633	26.629	0.039	372.339	1.2	0.06	5.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S07-4	EX	27.633	26.632	0.039	370.048	1.2	0.06	5.7	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S07-4	EX	27.633	26.667	0.040	451.622	1.2	0.06	5.8	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S07-4	EX	27.633	26.671	0.040	448.720	1.2	0.06	5.8	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S07-4	EX	27.633	26.724	0.040	610.702	1.2	0.07	5.9	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S07-4	EX	27.633	26.730	0.040	606.586	1.2	0.07	5.9	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S07-4	EX	27.633	26.790	0.040	926.595	1.2	0.07	6.0	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S07-4	EX	27.633	26.800	0.041	920.391	1.2	0.07	6.0	Surcharged

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S07-4	EX	27.633	26.821	0.041	1383.159	1.2	0.07	6.1	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S07-4	EX	27.633	26.838	0.041	1374.796	1.2	0.07	6.1	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S07-4	EX	27.633	26.816	0.041	1812.846	1.2	0.07	6.1	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S07-4	EX	27.633	26.838	0.041	1803.568	1.2	0.07	6.1	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S07-4	EX	27.633	26.791	0.040	2657.043	1.2	0.07	6.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S07-4	EX	27.633	26.799	0.041	2646.615	1.2	0.07	6.0	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S07-4	EX	27.633	26.766	0.040	3478.575	1.2	0.07	6.0	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S07-4	EX	27.633	26.764	0.040	3477.490	1.2	0.07	6.0	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S07-4	EX	27.633	26.746	0.040	3748.871	1.2	0.07	5.9	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S07-4	EX	27.633	26.727	0.040	3746.418	1.2	0.07	5.9	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S07-4	EX	27.633	26.729	0.040	3966.714	1.2	0.07	5.9	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S07-4	EX	27.633	26.694	0.040	3965.699	1.2	0.06	5.8	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S07-4	EX	27.633	26.715	0.040	4172.522	1.2	0.06	5.9	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S07-4	EX	27.633	26.661	0.040	4171.602	1.2	0.06	5.8	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -1.003-4: 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	S03-4	S04-4	27.908	27.718	0.450	232.373	1.9	1.3	296.7	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S03-4	S04-4	27.908	27.576	0.450	232.353	1.8	1.26	287.8	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S03-4	S04-4	27.908	27.102	0.450	305.055	1.6	1.11	253.3	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S03-4	S04-4	27.908	27.033	0.450	304.971	1.6	1.1	250.1	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S03-4	S04-4	27.908	27.002	0.450	379.632	1.6	1.09	248.8	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S03-4	S04-4	27.908	26.892	0.450	379.608	1.5	1.05	240.1	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S03-4	S04-4	27.908	26.680	0.450	435.932	1.3	0.92	210.8	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S03-4	S04-4	27.908	26.314	0.450	435.918	1.0	0.65	148.4	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S03-4	S04-4	27.908	26.386	0.450	475.876	1.0	0.7	159.5	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S03-4	S04-4	27.908	26.385	0.450	475.932	0.9	0.49	111.1	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S03-4	S04-4	27.908	26.441	0.450	508.126	0.9	0.56	128.3	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S03-4	S04-4	27.908	26.440	0.450	508.178	0.9	0.39	89.9	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S03-4	S04-4	27.908	26.523	0.450	560.507	0.9	0.43	97.9	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S03-4	S04-4	27.908	26.524	0.450	560.529	0.8	0.29	65.6	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S03-4	S04-4	27.908	26.584	0.450	602.865	0.8	0.35	79.8	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S03-4	S04-4	27.908	26.587	0.450	602.889	0.8	0.23	52.7	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S03-4	S04-4	27.908	26.632	0.450	638.892	0.8	0.3	68.3	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S03-4	S04-4	27.908	26.635	0.450	638.789	0.7	0.19	44.4	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S03-4	S04-4	27.908	26.671	0.450	670.384	0.7	0.26	59.3	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S03-4	S04-4	27.908	26.674	0.450	670.380	0.7	0.17	38.6	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S03-4	S04-4	27.908	26.728	0.450	724.170	0.7	0.21	48.0	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S03-4	S04-4	27.908	26.733	0.450	724.075	0.6	0.14	30.8	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S03-4	S04-4	27.908	26.794	0.450	808.521	0.6	0.15	35.3	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S03-4	S04-4	27.908	26.803	0.450	808.439	0.6	0.1	22.7	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S03-4	S04-4	27.908	26.825	0.450	902.742	0.5	0.11	26.0	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S03-4	S04-4	27.908	26.841	0.450	902.604	0.5	0.07	16.7	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S03-4	S04-4	27.908	26.820	0.450	978.709	0.5	0.09	21.0	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S03-4	S04-4	27.908	26.842	0.450	978.314	0.5	0.06	13.5	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S03-4	S04-4	27.908	26.795	0.450	1096.075	0.5	0.07	15.6	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S03-4	S04-4	27.908	26.803	0.450	1095.510	0.5	0.04	10.0	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S03-4	S04-4	27.908	26.770	0.450	1184.826	0.5	0.06	12.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S03-4	S04-4	27.908	26.768	0.450	1185.412	0.4	0.04	8.2	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S03-4	S04-4	27.908	26.749	0.450	1263.777	0.4	0.05	10.9	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S03-4	S04-4	27.908	26.731	0.450	1262.208	0.4	0.03	7.0	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S03-4	S04-4	27.908	26.732	0.450	1334.981	0.4	0.04	9.7	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S03-4	S04-4	27.908	26.697	0.450	1334.685	0.4	0.03	6.3	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S03-4	S04-4	27.908	26.718	0.450	1404.339	0.4	0.04	8.7	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S03-4	S04-4	27.908	26.664	0.450	1403.623	0.4	0.02	5.7	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -4,002-4: 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	S14-4	S13-4	27.975	26.828	0.375	84.658	1.5	0.82	164.8	OK
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S14-4	S13-4	27.975	26.801	0.375	84.700	1.5	0.84	168.1	OK
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S14-4	S13-4	27.975	26.749	0.308	112.593	1.5	0.65	129.8	OK
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S14-4	S13-4	27.975	26.740	0.286	112.617	1.5	0.61	121.8	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S14-4	S13-4	27.975	26.731	0.267	141.919	1.4	0.57	113.4	OK
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S14-4	S13-4	27.975	26.706	0.225	141.930	1.3	0.46	91.2	OK
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S14-4	S13-4	27.975	26.691	0.253	163.849	1.3	0.39	77.7	OK
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S14-4	S13-4	27.975	26.664	0.252	163.851	1.2	0.28	55.9	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S14-4	S13-4	27.975	26.669	0.286	179.104	1.2	0.3	59.9	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S14-4	S13-4	27.975	26.644	0.285	179.088	1.1	0.21	41.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S14-4	S13-4	27.975	26.655	0.312	191.285	1.2	0.25	49.6	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S14-4	S13-4	27.975	26.632	0.311	191.277	1.1	0.17	33.3	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S14-4	S13-4	27.975	26.637	0.352	210.803	1.1	0.19	37.4	OK
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S14-4	S13-4	27.975	26.617	0.351	210.771	1.0	0.12	24.6	OK
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S14-4	S13-4	27.975	26.626	0.375	226.435	1.0	0.15	30.8	OK
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S14-4	S13-4	27.975	26.607	0.375	226.391	0.9	0.1	19.9	OK
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S14-4	S13-4	27.975	26.632	0.375	239.658	1.0	0.13	26.1	OK
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S14-4	S13-4	27.975	26.635	0.375	239.678	0.9	0.08	16.8	OK
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S14-4	S13-4	27.975	26.670	0.375	251.220	0.9	0.11	22.8	OK
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S14-4	S13-4	27.975	26.674	0.375	251.210	0.8	0.07	14.7	OK
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S14-4	S13-4	27.975	26.727	0.375	270.860	0.9	0.09	18.4	OK
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S14-4	S13-4	27.975	26.733	0.375	270.814	0.8	0.06	11.9	OK
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S14-4	S13-4	27.975	26.793	0.375	301.569	0.8	0.07	13.7	OK
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S14-4	S13-4	27.975	26.803	0.375	301.584	0.7	0.04	8.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S14-4	S13-4	27.975	26.824	0.375	334.984	0.7	0.05	10.1	OK
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S14-4	S13-4	27.975	26.841	0.375	335.015	0.7	0.03	6.5	OK
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S14-4	S13-4	27.975	26.819	0.375	360.635	0.7	0.04	8.2	OK
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S14-4	S13-4	27.975	26.841	0.375	360.931	0.6	0.03	5.3	OK
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S14-4	S13-4	27.975	26.794	0.375	400.944	0.6	0.03	6.1	OK
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S14-4	S13-4	27.975	26.802	0.375	400.825	0.6	0.02	3.9	OK
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S14-4	S13-4	27.975	26.769	0.375	433.713	0.6	0.02	4.9	OK
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S14-4	S13-4	27.975	26.767	0.375	433.646	0.5	0.02	3.2	OK
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S14-4	S13-4	27.975	26.749	0.375	462.680	0.6	0.02	4.2	OK
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S14-4	S13-4	27.975	26.730	0.375	462.162	0.5	0.01	2.7	OK
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S14-4	S13-4	27.975	26.732	0.375	488.699	0.5	0.02	3.7	OK
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S14-4	S13-4	27.975	26.697	0.375	488.455	0.5	0.01	2.4	OK
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S14-4	S13-4	27.975	26.718	0.375	514.085	0.5	0.02	3.3	OK
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S14-4	S13-4	27.975	26.664	0.375	513.873	0.5	0.01	2.2	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -4.001-4: 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	S13-4	S12-4	27.975	26.400	0.375	84.043	1.4	1.38	152.7	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S13-4	S12-4	27.975	26.338	0.370	84.055	1.4	1.36	149.7	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S13-4	S12-4	27.975	26.246	0.333	108.163	1.3	1.17	129.6	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S13-4	S12-4	27.975	26.211	0.310	108.207	1.3	1.1	121.2	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S13-4	S12-4	27.975	26.207	0.375	134.374	1.2	1.03	113.3	OK
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S13-4	S12-4	27.975	26.207	0.375	134.481	1.2	0.83	91.4	OK
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S13-4	S12-4	27.975	26.313	0.375	155.458	1.2	0.71	78.0	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S13-4	S12-4	27.975	26.314	0.375	155.542	1.2	0.51	56.1	Surcharged
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S13-4	S12-4	27.975	26.385	0.375	170.300	1.1	0.54	59.9	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S13-4	S12-4	27.975	26.386	0.375	170.345	1.1	0.37	40.6	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S13-4	S12-4	27.975	26.440	0.375	182.210	1.0	0.43	47.0	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S13-4	S12-4	27.975	26.441	0.375	182.256	1.0	0.3	32.7	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S13-4	S12-4	27.975	26.523	0.375	201.420	0.9	0.3	33.4	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S13-4	S12-4	27.975	26.525	0.375	201.435	0.9	0.21	23.0	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S13-4	S12-4	27.975	26.585	0.375	216.884	0.8	0.25	27.1	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S13-4	S12-4	27.975	26.587	0.375	216.880	0.8	0.17	18.5	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S13-4	S12-4	27.975	26.633	0.375	230.010	0.7	0.21	23.0	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S13-4	S12-4	27.975	26.635	0.375	230.062	0.7	0.14	15.2	Surcharged
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S13-4	S12-4	27.975	26.671	0.375	241.528	0.7	0.18	20.1	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S13-4	S12-4	27.975	26.675	0.375	241.546	0.7	0.12	13.1	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S13-4	S12-4	27.975	26.728	0.375	261.180	0.6	0.15	16.5	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S13-4	S12-4	27.975	26.733	0.375	261.141	0.7	0.1	10.7	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S13-4	S12-4	27.975	26.794	0.375	292.153	0.6	0.11	12.5	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S13-4	S12-4	27.975	26.803	0.375	292.147	0.6	0.07	8.2	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S13-4	S12-4	27.975	26.825	0.375	326.456	0.5	0.09	9.6	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S13-4	S12-4	27.975	26.841	0.375	326.438	0.6	0.06	6.1	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S13-4	S12-4	27.975	26.820	0.375	353.548	0.5	0.07	7.8	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S13-4	S12-4	27.975	26.842	0.375	353.749	0.5	0.05	5.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S13-4	S12-4	27.975	26.795	0.375	400.990	0.5	0.05	5.8	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S13-4	S12-4	27.975	26.803	0.375	400.778	0.5	0.03	3.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S13-4	S12-4	27.975	26.770	0.375	433.830	0.5	0.04	4.7	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S13-4	S12-4	27.975	26.768	0.375	433.756	0.5	0.03	3.0	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S13-4	S12-4	27.975	26.750	0.375	462.787	0.5	0.04	4.0	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S13-4	S12-4	27.975	26.731	0.375	462.263	0.5	0.02	2.6	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S13-4	S12-4	27.975	26.732	0.375	488.787	0.5	0.03	3.5	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S13-4	S12-4	27.975	26.697	0.375	488.539	0.5	0.02	2.2	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S13-4	S12-4	27.975	26.719	0.375	514.158	0.5	0.03	3.1	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S13-4	S12-4	27.975	26.665	0.375	513.940	0.4	0.02	2.0	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -4.003-4: 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	S15-4	S14-4	27.970	27.231	0.297	80.531	1.9	0.81	180.6	OK
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S15-4	S14-4	27.970	27.215	0.275	80.616	2.0	0.76	170.4	OK
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S15-4	S14-4	27.970	27.152	0.218	106.845	1.9	0.55	123.3	OK
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S15-4	S14-4	27.970	27.143	0.209	106.845	1.8	0.52	115.7	OK
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S15-4	S14-4	27.970	27.134	0.200	134.643	1.8	0.48	107.7	OK
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S15-4	S14-4	27.970	27.109	0.175	134.640	1.7	0.39	86.6	OK
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S15-4	S14-4	27.970	27.093	0.159	155.475	1.7	0.33	73.8	OK
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S15-4	S14-4	27.970	27.066	0.132	155.476	1.5	0.24	53.1	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S15-4	S14-4	27.970	27.071	0.137	169.992	1.6	0.25	56.9	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S15-4	S14-4	27.970	27.046	0.112	169.993	1.4	0.18	39.3	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S15-4	S14-4	27.970	27.058	0.124	181.588	1.5	0.21	47.0	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S15-4	S14-4	27.970	27.034	0.100	181.595	1.3	0.14	31.6	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S15-4	S14-4	27.970	27.040	0.106	200.186	1.4	0.16	35.4	OK
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S15-4	S14-4	27.970	27.020	0.085	200.188	1.2	0.1	23.3	OK
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S15-4	S14-4	27.970	27.030	0.095	215.102	1.3	0.13	29.2	OK
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S15-4	S14-4	27.970	27.011	0.076	215.109	1.2	0.08	18.9	OK
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S15-4	S14-4	27.970	27.023	0.087	227.698	1.3	0.11	24.8	OK
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S15-4	S14-4	27.970	27.005	0.070	227.722	1.1	0.07	16.0	OK
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S15-4	S14-4	27.970	27.017	0.082	238.715	1.2	0.1	21.7	OK
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S15-4	S14-4	27.970	27.001	0.082	238.709	1.1	0.06	14.0	OK
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S15-4	S14-4	27.970	27.009	0.109	257.395	1.2	0.08	17.5	OK
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S15-4	S14-4	27.970	26.995	0.111	257.402	1.0	0.05	11.3	OK
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S15-4	S14-4	27.970	26.999	0.141	286.569	1.1	0.06	13.0	OK
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S15-4	S14-4	27.970	26.987	0.145	286.563	1.0	0.04	8.4	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S15-4	S14-4	27.970	26.990	0.156	318.317	1.0	0.04	9.6	OK
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S15-4	S14-4	27.970	26.980	0.164	318.298	0.9	0.03	6.2	OK
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S15-4	S14-4	27.970	26.985	0.153	342.651	0.9	0.03	7.8	OK
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S15-4	S14-4	27.970	26.976	0.164	342.883	0.8	0.02	5.0	OK
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S15-4	S14-4	27.970	26.978	0.140	380.877	0.9	0.03	5.8	OK
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S15-4	S14-4	27.970	26.970	0.144	381.060	0.8	0.02	3.7	OK
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S15-4	S14-4	27.970	26.974	0.128	411.984	0.8	0.02	4.7	OK
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S15-4	S14-4	27.970	26.967	0.127	411.771	0.7	0.01	3.0	OK
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S15-4	S14-4	27.970	26.972	0.117	439.601	0.8	0.02	4.0	OK
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S15-4	S14-4	27.970	26.965	0.108	439.365	0.7	0.01	2.6	OK
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S15-4	S14-4	27.970	26.970	0.109	463.910	0.7	0.02	3.5	OK
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S15-4	S14-4	27.970	26.963	0.091	463.982	0.6	0.01	2.3	OK
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S15-4	S14-4	27.970	26.968	0.102	488.178	0.7	0.01	3.2	OK
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S15-4	S14-4	27.970	26.962	0.075	487.961	0.6	0.01	2.0	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Sw -5.000-4: 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	S16-4	Tank	28.087	27.639	0.375	237.859	4.9	2.46	541.7	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	Pipe	S16-4	Tank	28.087	27.520	0.375	237.863	4.6	2.31	509.1	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	Pipe	S16-4	Tank	28.087	27.056	0.375	315.241	3.3	1.65	363.9	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	Pipe	S16-4	Tank	28.087	26.998	0.375	315.244	3.1	1.55	341.5	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	Pipe	S16-4	Tank	28.087	26.941	0.375	397.301	2.9	1.44	317.9	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	Pipe	S16-4	Tank	28.087	26.817	0.375	397.299	2.3	1.16	255.7	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	Pipe	S16-4	Tank	28.087	26.748	0.375	458.740	2.0	0.99	217.7	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	Pipe	S16-4	Tank	28.087	26.571	0.258	458.731	1.9	0.71	156.7	OK
FEH: 200 years: +45 %: 180 mins: Summer	Pipe	S16-4	Tank	28.087	26.586	0.272	501.462	2.0	0.76	168.1	OK
FEH: 200 years: +45 %: 180 mins: Winter	Pipe	S16-4	Tank	28.087	26.518	0.212	501.448	1.8	0.53	115.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 240 mins: Summer	Pipe	S16-4	Tank	28.087	26.547	0.238	535.602	1.9	0.63	138.9	OK
FEH: 200 years: +45 %: 240 mins: Winter	Pipe	S16-4	Tank	28.087	26.488	0.194	535.607	1.7	0.42	93.4	OK
FEH: 200 years: +45 %: 360 mins: Summer	Pipe	S16-4	Tank	28.087	26.523	0.276	590.370	1.8	0.47	104.6	OK
FEH: 200 years: +45 %: 360 mins: Winter	Pipe	S16-4	Tank	28.087	26.524	0.278	590.357	1.6	0.31	68.9	OK
FEH: 200 years: +45 %: 480 mins: Summer	Pipe	S16-4	Tank	28.087	26.584	0.337	634.253	1.7	0.39	86.1	OK
FEH: 200 years: +45 %: 480 mins: Winter	Pipe	S16-4	Tank	28.087	26.587	0.340	634.272	1.5	0.25	55.7	OK
FEH: 200 years: +45 %: 600 mins: Summer	Pipe	S16-4	Tank	28.087	26.632	0.375	671.393	1.6	0.33	73.2	OK
FEH: 200 years: +45 %: 600 mins: Winter	Pipe	S16-4	Tank	28.087	26.635	0.375	671.376	1.4	0.21	47.2	OK
FEH: 200 years: +45 %: 720 mins: Summer	Pipe	S16-4	Tank	28.087	26.670	0.375	703.851	1.6	0.29	63.9	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	Pipe	S16-4	Tank	28.087	26.674	0.375	703.845	1.4	0.19	41.2	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	Pipe	S16-4	Tank	28.087	26.728	0.375	758.946	1.5	0.23	51.7	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	Pipe	S16-4	Tank	28.087	26.733	0.375	758.960	1.3	0.15	33.3	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	Pipe	S16-4	Tank	28.087	26.794	0.375	845.134	1.4	0.17	38.4	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	Pipe	S16-4	Tank	28.087	26.803	0.375	845.091	1.2	0.11	24.8	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
	Designed AMG	Checked by: AB	Approved ADS
Report Details: Type: Connections Summary Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 2160 mins: Summer	Pipe	S16-4	Tank	28.087	26.825	0.375	939.100	1.3	0.13	28.4	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	Pipe	S16-4	Tank	28.087	26.841	0.375	939.125	1.1	0.08	18.3	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	Pipe	S16-4	Tank	28.087	26.820	0.375	1011.821	1.2	0.1	22.9	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	Pipe	S16-4	Tank	28.087	26.842	0.375	1011.857	1.1	0.07	14.8	Surcharged
FEH: 200 years: +45 %: 4320 mins: Summer	Pipe	S16-4	Tank	28.087	26.795	0.375	1124.068	1.1	0.08	17.0	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	Pipe	S16-4	Tank	28.087	26.803	0.375	1124.186	1.0	0.05	11.0	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	Pipe	S16-4	Tank	28.087	26.770	0.375	1215.658	1.1	0.06	13.8	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	Pipe	S16-4	Tank	28.087	26.768	0.375	1215.732	0.9	0.04	8.9	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	Pipe	S16-4	Tank	28.087	26.749	0.375	1295.976	1.0	0.05	11.8	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	Pipe	S16-4	Tank	28.087	26.731	0.375	1295.556	0.9	0.03	7.6	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	Pipe	S16-4	Tank	28.087	26.732	0.375	1369.792	1.0	0.05	10.4	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	Pipe	S16-4	Tank	28.087	26.697	0.375	1369.719	0.9	0.03	6.7	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	Pipe	S16-4	Tank	28.087	26.718	0.375	1439.900	0.9	0.04	9.3	Surcharged
FEH: 200 years: +45 %: 10080 mins: Winter	Pipe	S16-4	Tank	28.087	26.664	0.375	1439.416	0.8	0.03	6.0	Surcharged

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.006-4 : Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-4.000-4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.004- 4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.005-4 : Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.002-4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.000- 4 : Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.007-4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-5.000- 4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.008 - 4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-1.003-4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-4,002-4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-4.001-4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-4.003-4: Rank By: Max. Flow

Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Sw-5.000-4: Rank By: Max. Flow

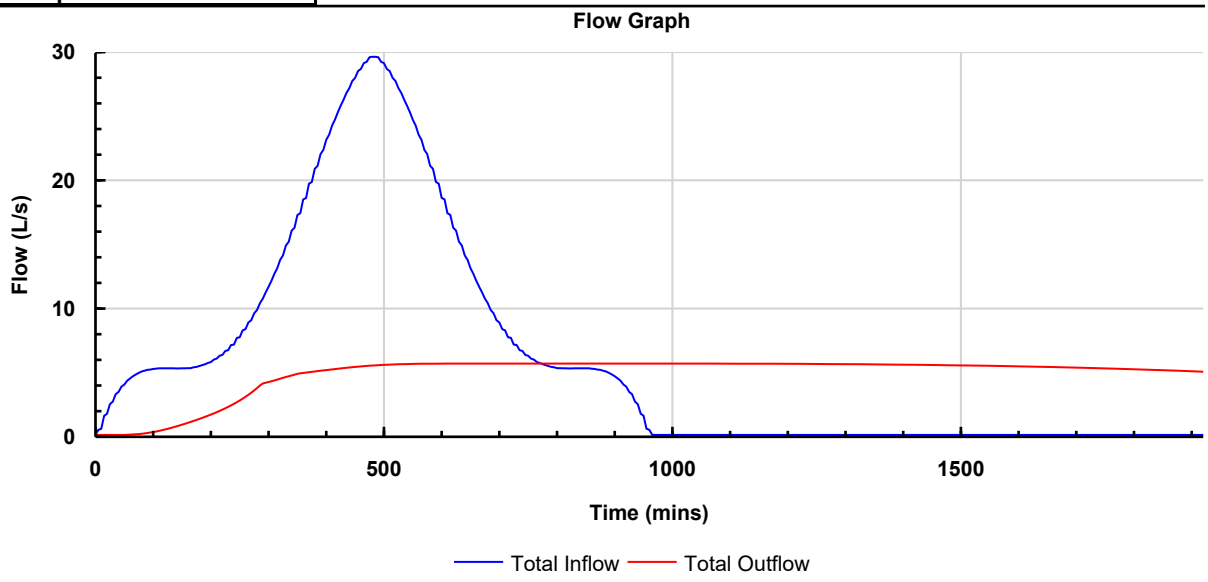
Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 4
FEH: 2 years: Increase Rainfall (%): +0: 960 mins: Winter

Tables

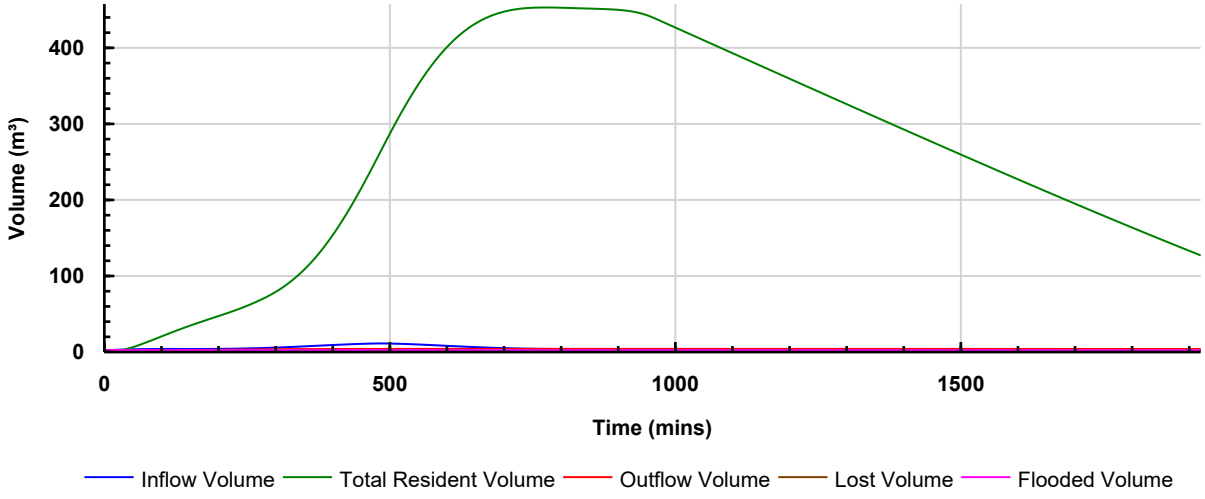
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			5.6	548.125
TOTAL	29.6	674.874	5.6	548.125

Graphs



Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

Volume Graph



Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

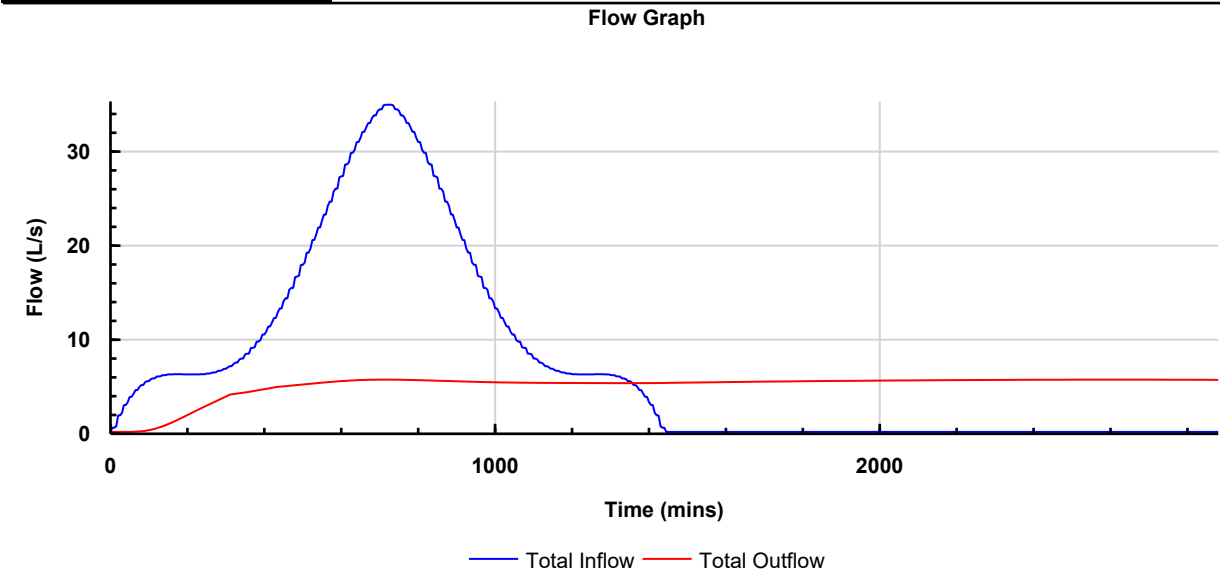


UNIT 4
FEH: 30 years: Increase Rainfall (%): +0: 1440 mins: Winter

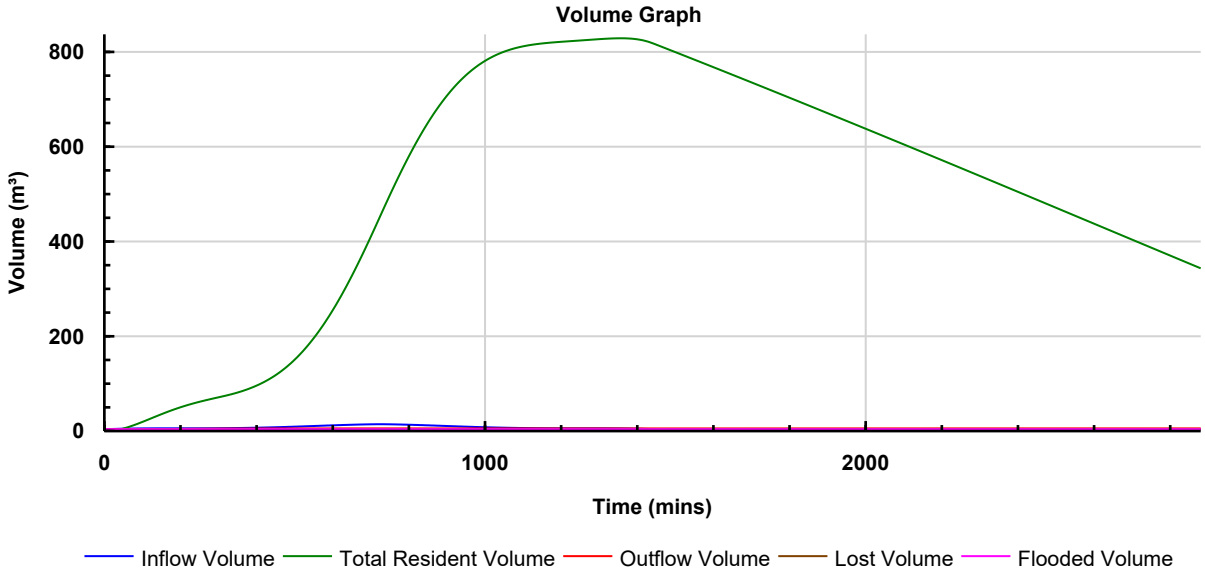
Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			5.6	852.582
TOTAL	35.0	1194.813	5.6	852.582

Graphs



Drainage Network Unit 4:	Date:		
Alchemy,Western Plot	28/07/2026		
Network Space	Designed	Checked by:	Approved
Developments	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management	ADS Consult		
Storm Phase: UNIT 4	107 Mere Grange Business Park		
	Leaside, St Helens, WA9 5GG		



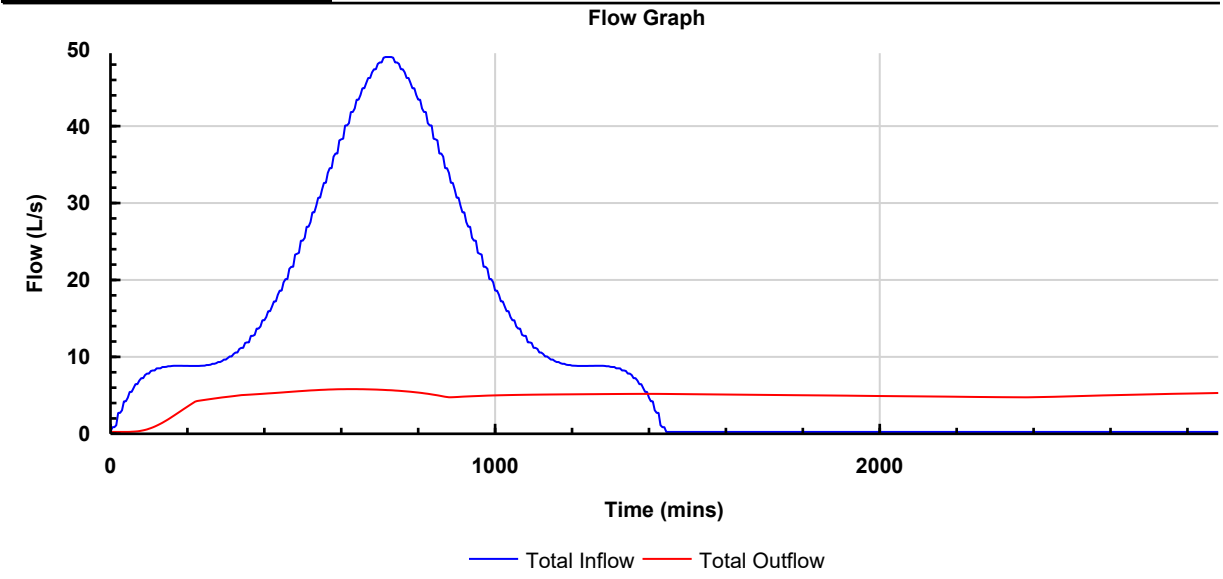
Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 4
FEH: 30 years: Increase Rainfall (%): +40: 1440 mins: Winter

Tables

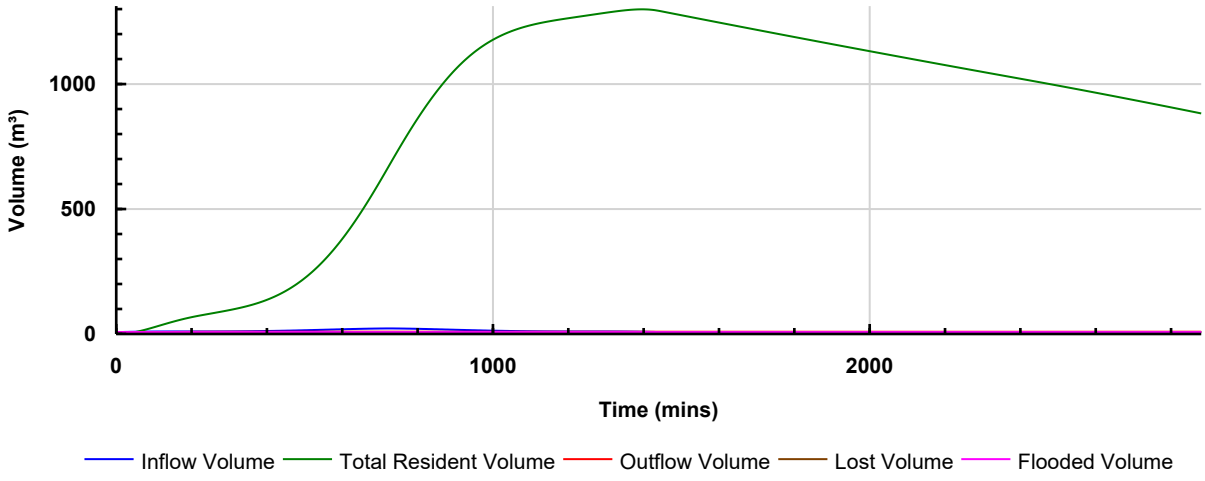
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			5.6	792.045
TOTAL	49.0	1672.752	5.6	792.045

Graphs



Drainage Network Unit 4:	Date:		
Alchemy,Western Plot	28/07/2026		
Network Space	Designed	Checked by:	Approved
Developments	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management	ADS Consult		
Storm Phase: UNIT 4	107 Mere Grange Business Park		
	Leaside, St Helens, WA9 5GG		

Volume Graph



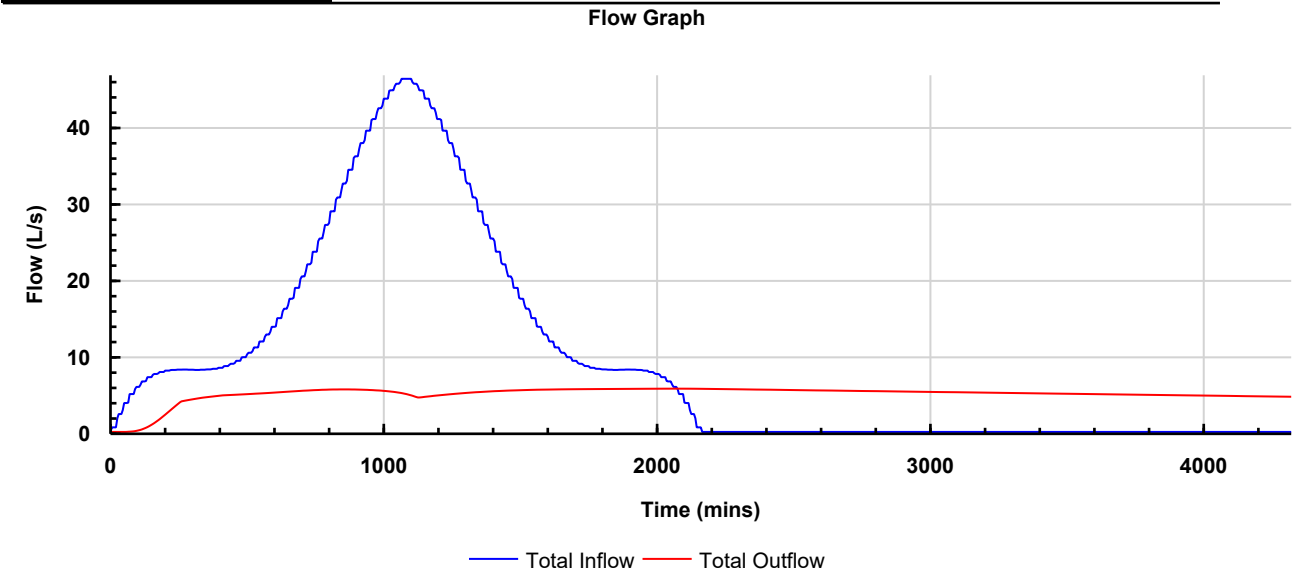
Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 4
FEH: 100 years: Increase Rainfall (%): +45: 2160 mins: Winter

Tables

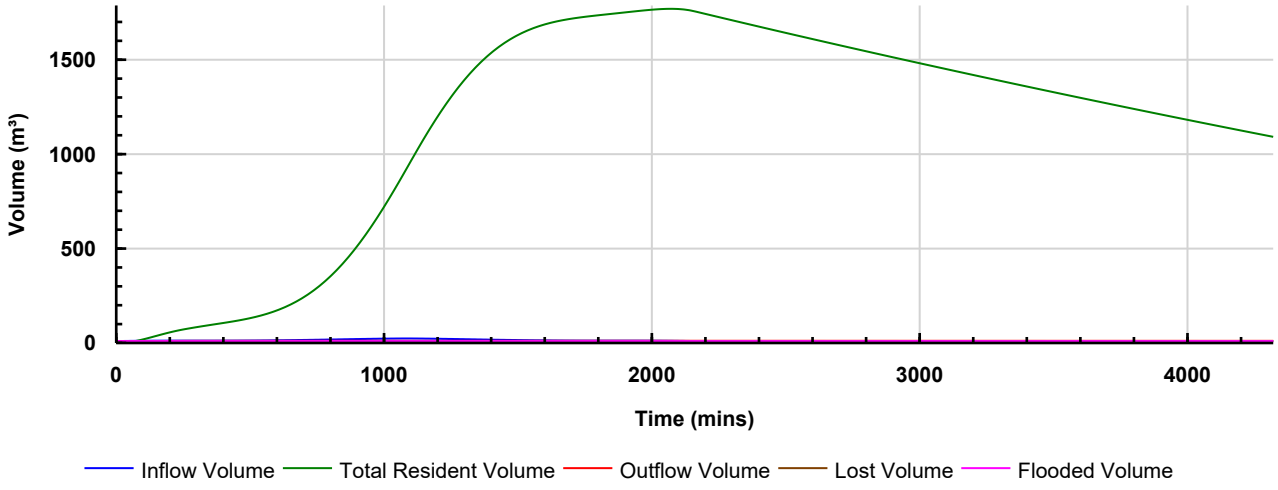
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			5.7	1288.670
TOTAL	46.4	2378.796	5.7	1288.670

Graphs



Drainage Network Unit 4:	Date:		
Alchemy,Western Plot	28/07/2026		
Network Space	Designed	Checked by:	Approved
Developments	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management	ADS Consult		
Storm Phase: UNIT 4	107 Mere Grange Business Park		
	Leaside, St Helens, WA9 5GG		

Volume Graph



Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed: AMG	Checked by: AB	Approved: ADS
Report Details: Type: Phase Management Storm Phase: UNIT 4	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

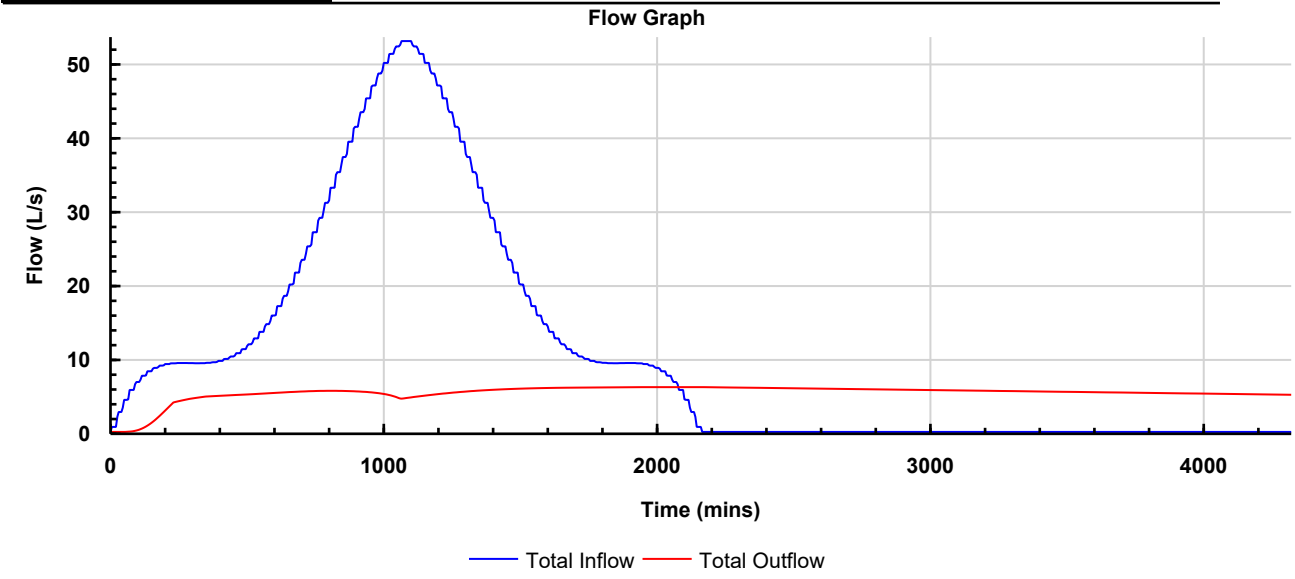


UNIT 4
FEH: 200 years: Increase Rainfall (%): +45: 2160 mins: Winter

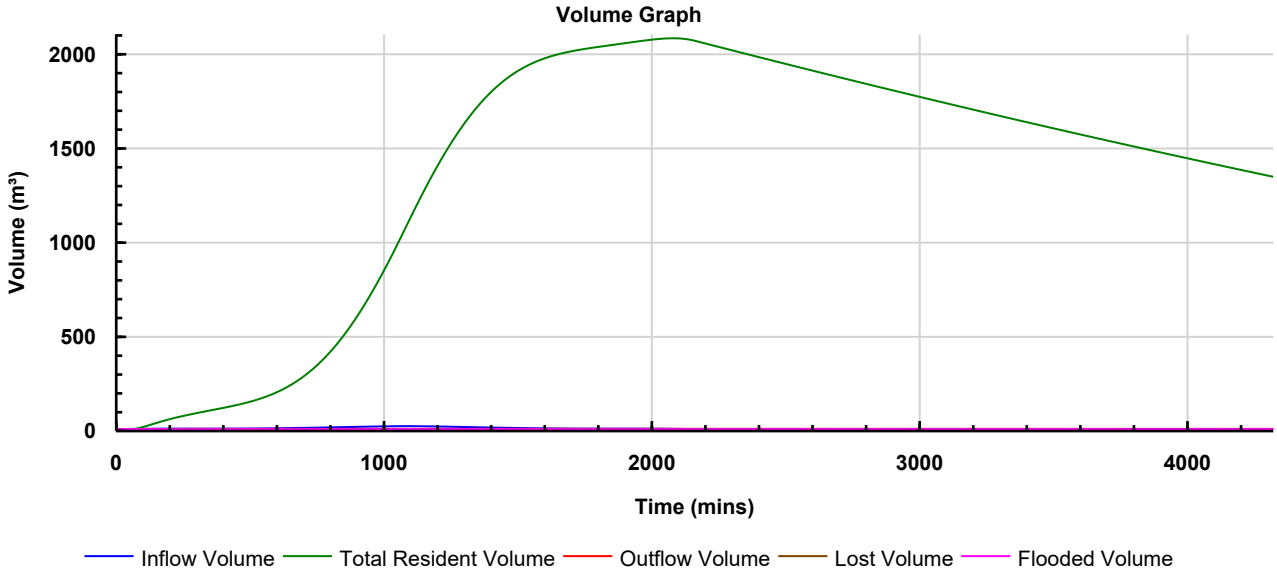
Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			6.1	1374.796
TOTAL	53.2	2723.997	6.1	1374.796

Graphs



Drainage Network Unit 4:	Date:		
Alchemy,Western Plot	28/07/2026		
Network Space	Designed	Checked by:	Approved
Developments	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management	ADS Consult		
Storm Phase: UNIT 4	107 Mere Grange Business Park		
	Leaside, St Helens, WA9 5GG		



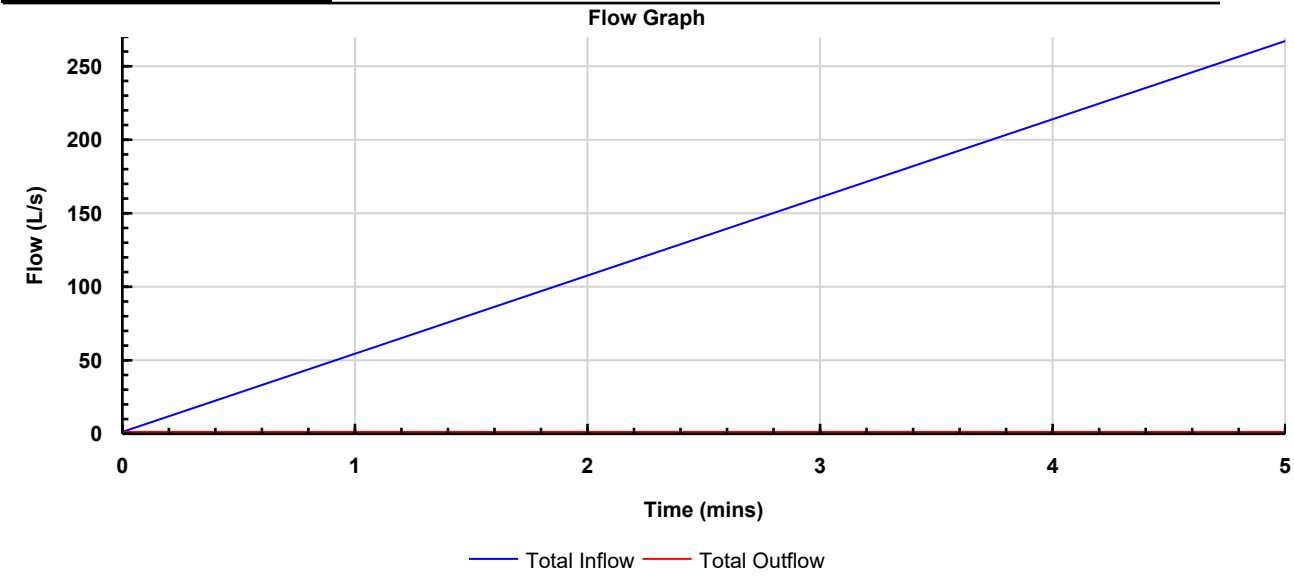
Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 4
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	267.1	40.091	0.0	0.000

Graphs



Drainage Network Unit 4:	Date:		
Alchemy,Western Plot	28/07/2026		
Network Space	Designed	Checked by:	Approved
Developments	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management	ADS Consult		
Storm Phase: UNIT 4	107 Mere Grange Business Park		
	Leaside, St Helens, WA9 5GG		

