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

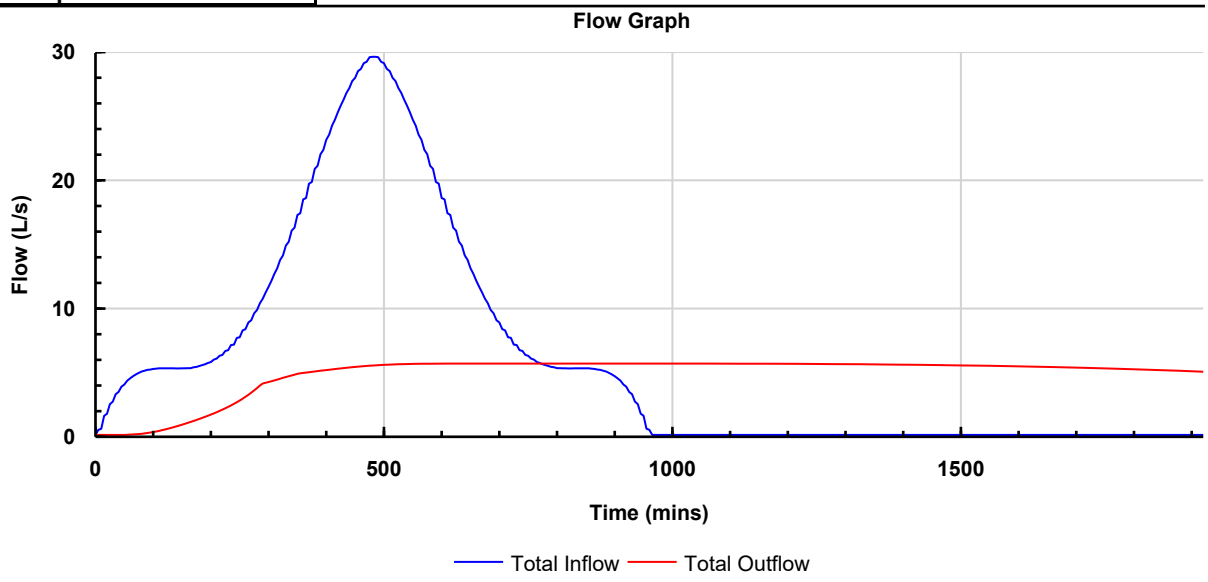
Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 4
FEH: 2 years: Increase Rainfall (%): +0: 960 mins: Winter

Tables

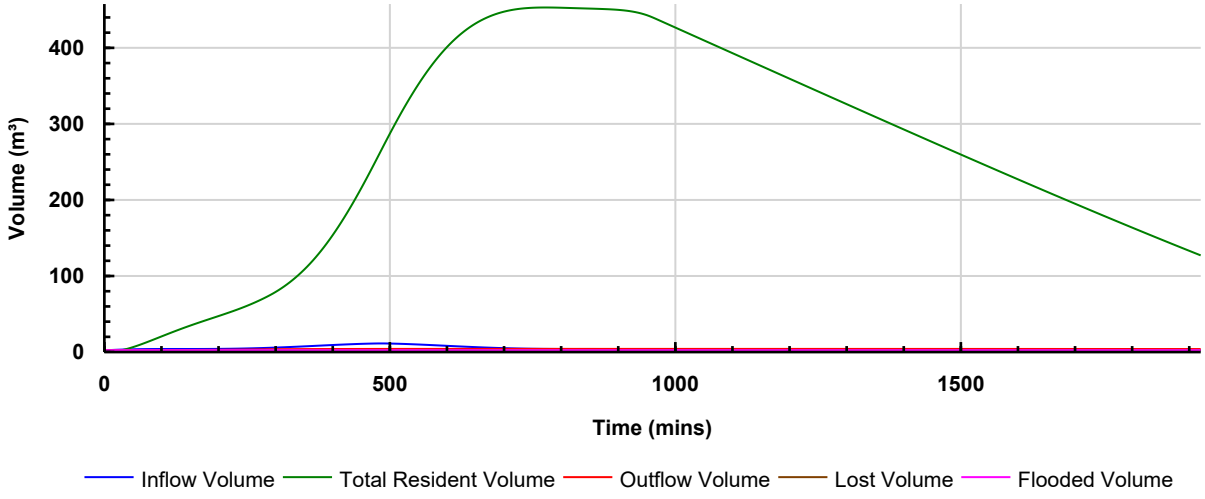
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			5.6	548.125
TOTAL	29.6	674.874	5.6	548.125

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		

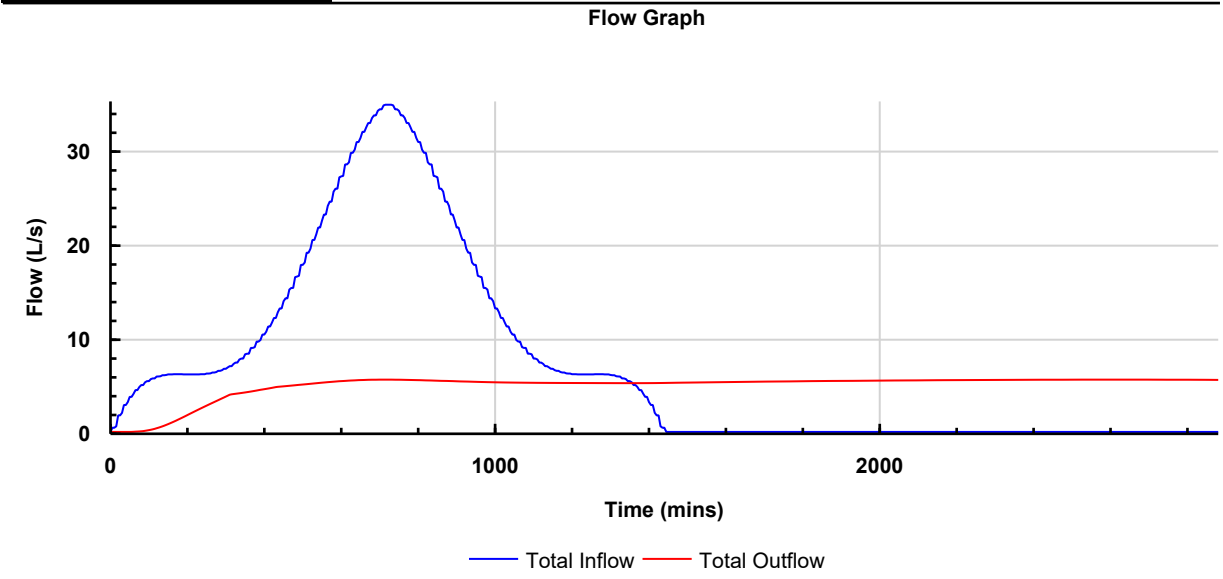


UNIT 4
FEH: 30 years: Increase Rainfall (%): +0: 1440 mins: Winter

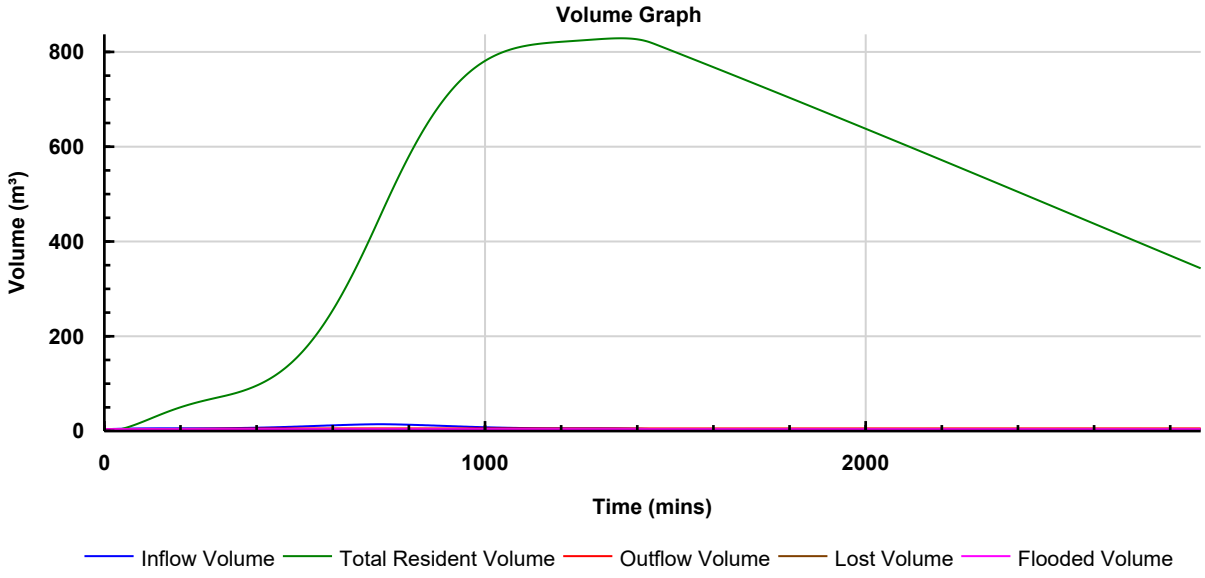
Tables

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		



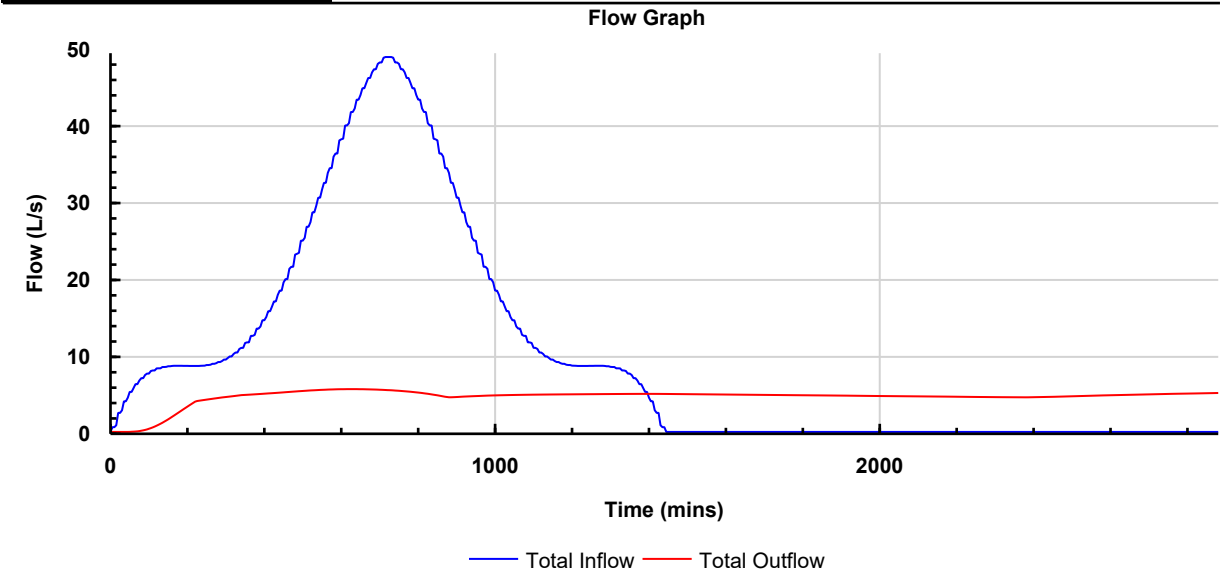
Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 4
FEH: 30 years: Increase Rainfall (%): +40: 1440 mins: Winter

Tables

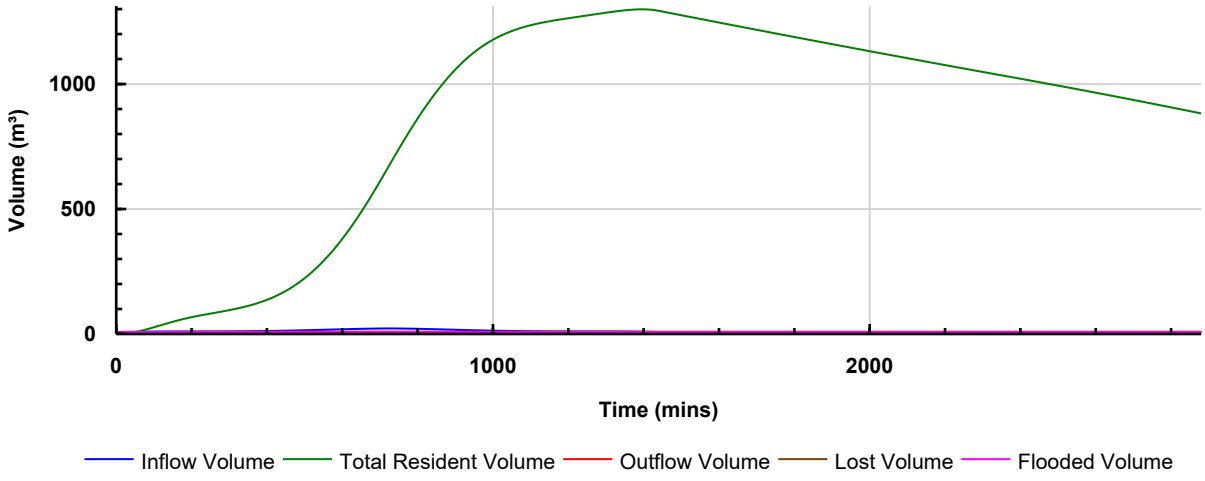
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			5.6	792.045
TOTAL	49.0	1672.752	5.6	792.045

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



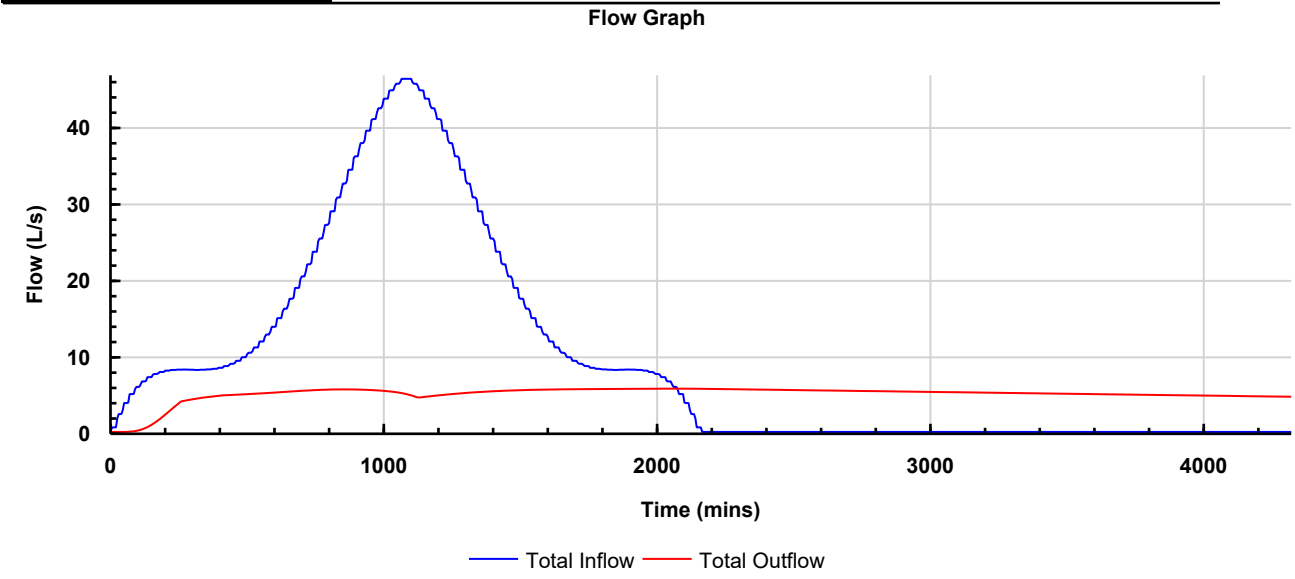
Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 4
FEH: 100 years: Increase Rainfall (%): +45: 2160 mins: Winter

Tables

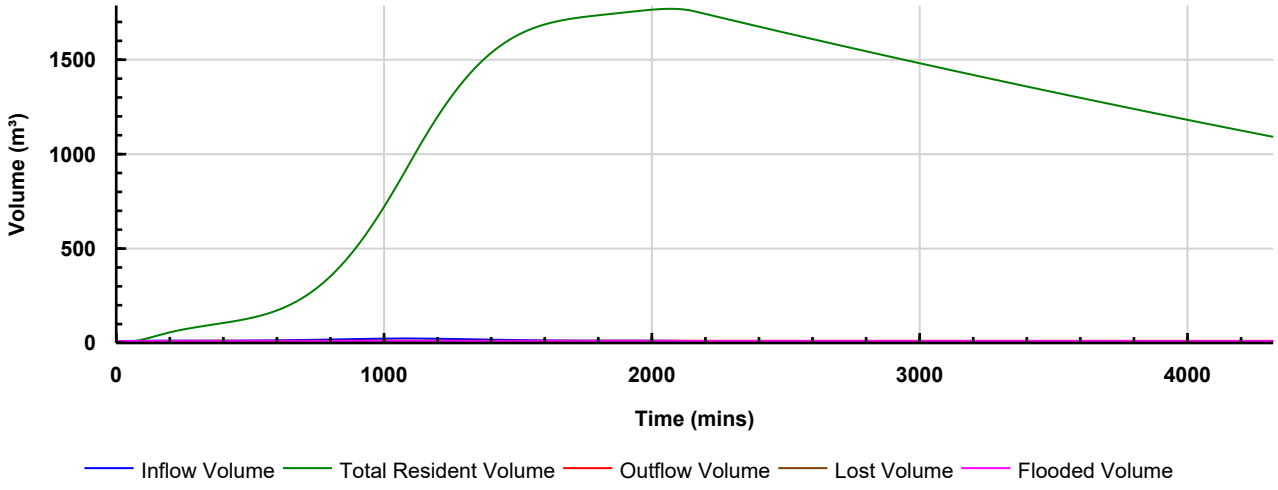
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
EX			5.7	1288.670
TOTAL	46.4	2378.796	5.7	1288.670

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		

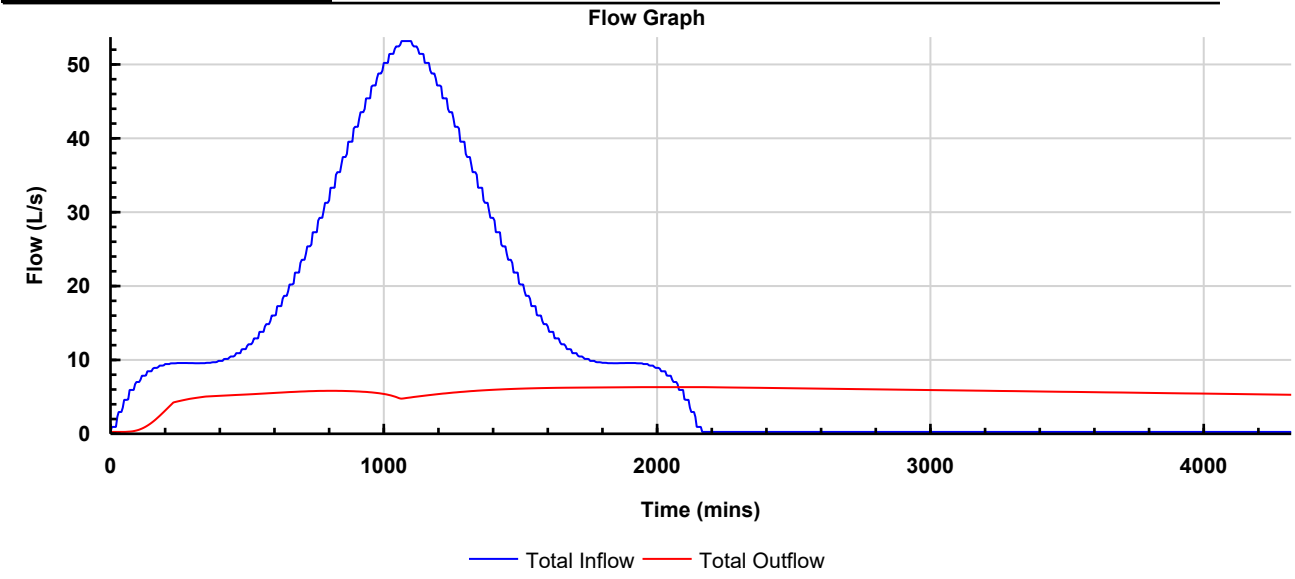


UNIT 4
FEH: 200 years: Increase Rainfall (%): +45: 2160 mins: Winter

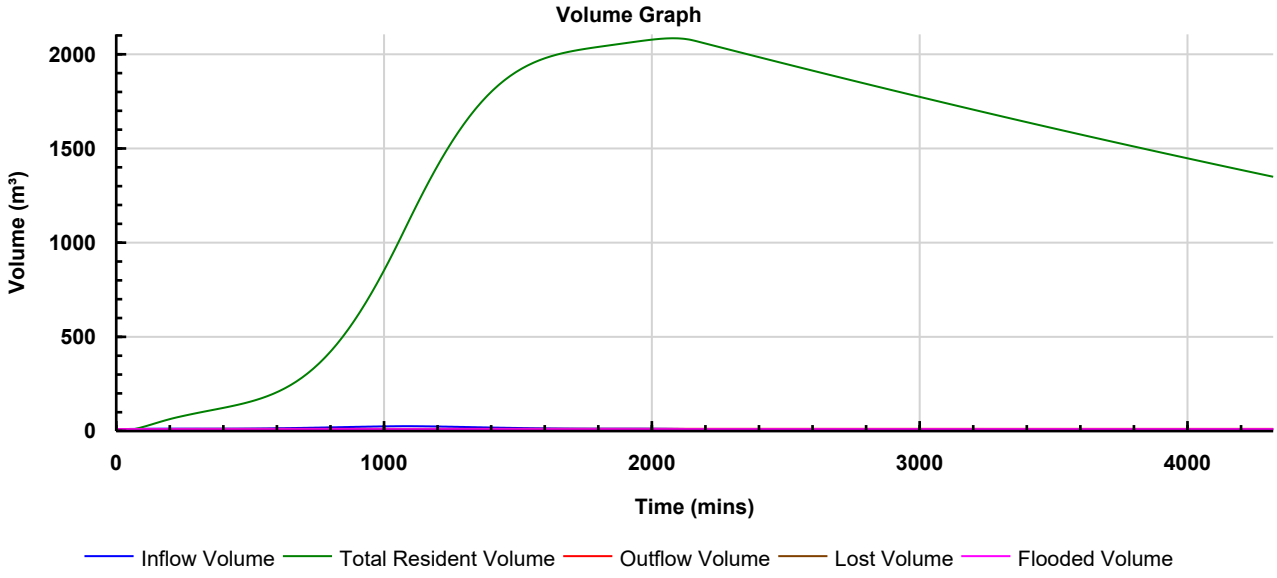
Tables

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		



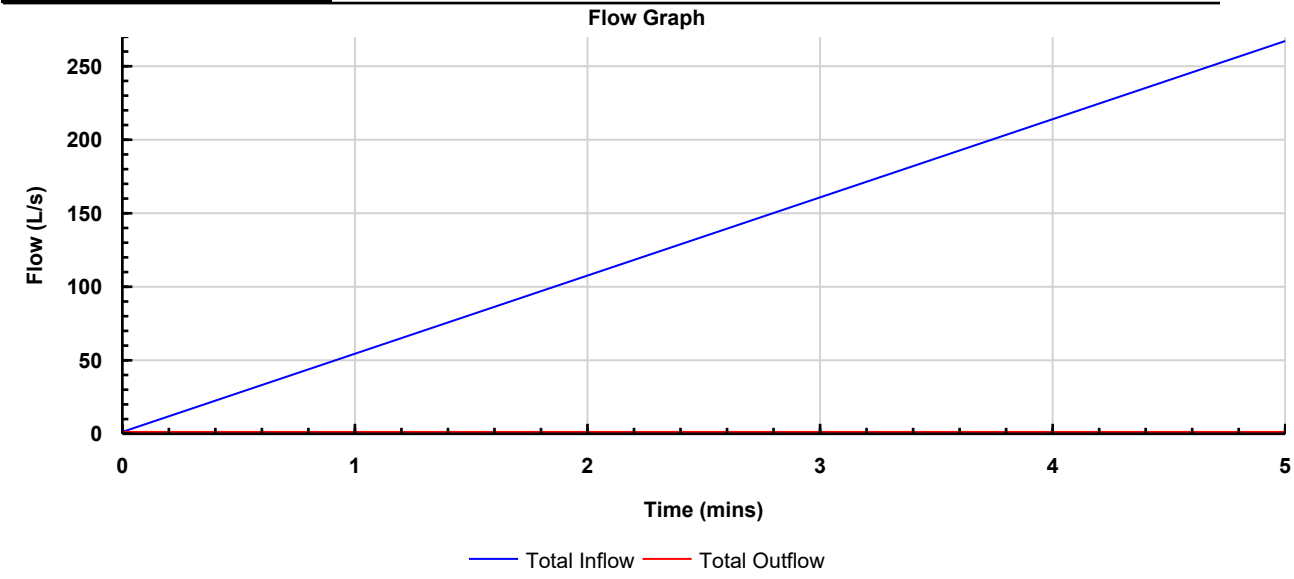
Drainage Network Unit 4:	Date:		
Alchemy,Western Plot Network Space Developments	28/07/2026		
	Designed	Checked by:	Approved
	AMG	AB	ADS
Report Details:	Company Address:		
Type: Phase Management Storm Phase: UNIT 4	ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

UNIT 4
5mm of Rainfall: Increase Rainfall (%): +0: 5mm

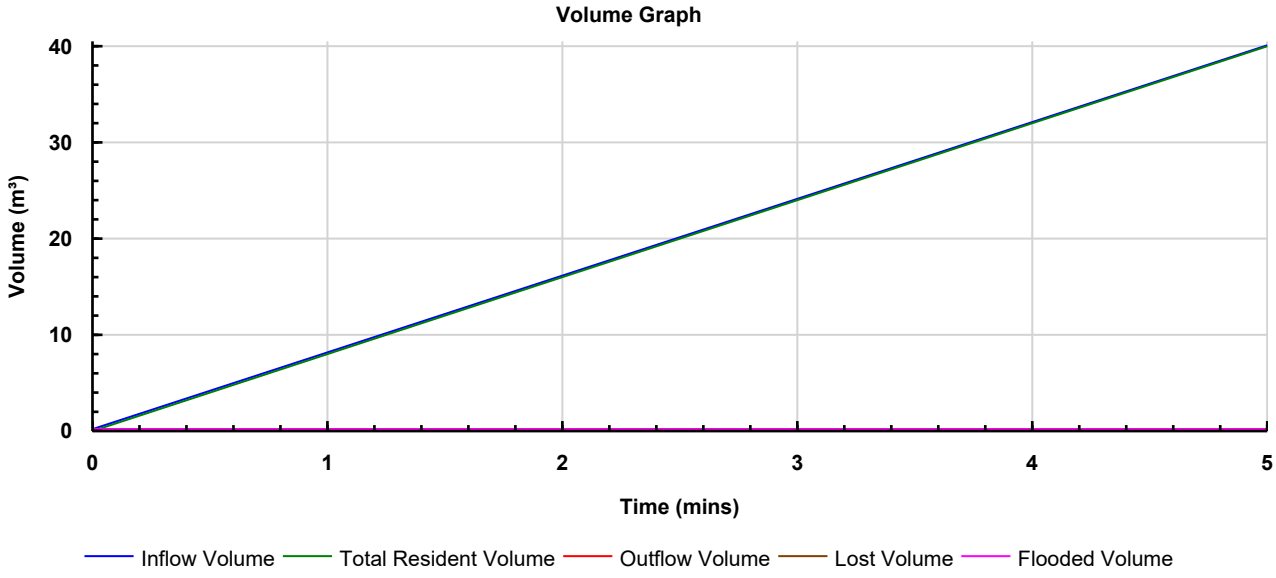
Tables

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		



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

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

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

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

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

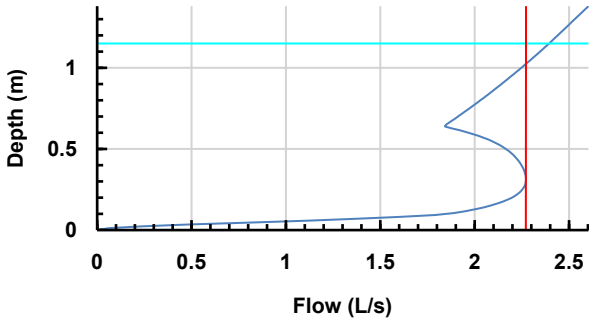
Inlets

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

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

Outlets

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



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

Tank

Type : Tank

Dimensions

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

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

Inlets

Inlet (2)

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

Inlet (1)

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

Inlet

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

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

Outlets

Outlet

Outgoing Connection	Sw-1.004-5
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	53.115

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

Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Sw-1.003-5	6.230	Pipe	245.000		0.6	300	28.711	26.695
Sw-5.001-5	39.862	Pipe	245.000		0.6	300	28.888	27.792
Sw-1.000-5	40.393	Pipe	244.803		0.6	300	28.623	26.989
Sw-1.001-5	18.639	Pipe	245.244		0.6	300	28.622	26.824
Sw-1.002-5	12.946	Pipe	244.271		0.6	300	28.792	26.748
Sw-2.000-5	27.947	Pipe	107.076		0.6	300	27.850	27.250
Sw-1.005 - 5	9.064	Pipe	180.635		0.6	225	28.502	26.251
Sw-5.000-5	12.693	Pipe	79.830		0.6	300	28.888	27.629
Sw-5.002-5	39.455	Pipe	80.000		0.6	300	28.888	28.285
Sw-3.001-5	14.684	Pipe	308.132		0.6	300	28.560	26.606
Sw-3.000-5	4.927	Pipe	245.000		0.6	300	28.846	26.558
Sw-3.0003--5	14.314	Pipe	79.969		0.6	225	28.755	27.012
Sw-4.000-5	24.622	Pipe	79.942		0.6	225	28.754	26.941
Sw-1.004-5	3.215	Pipe	167.000		0.6	225	28.670	26.270
Sw-3.002-5	49.539	Pipe	325.000		0.6	300	28.558	26.758

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Flow Options

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

Pipe Options

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

Pipe Size Library

Default

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

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

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

Manhole Options

Apply Offset	☐

Manhole Size Library

Default

Diameter / Width

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

Additional Sizing

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

Depth

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

Access

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

Benching Requirements

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

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

Outfalls

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 100 years: +45 %: 15 mins: Summer	0.09	65.0	28.242
FEH: 100 years: +45 %: 15 mins: Winter	0.09	61.1	28.238
FEH: 100 years: +45 %: 30 mins: Summer	0.09	42.9	37.194
FEH: 100 years: +45 %: 30 mins: Winter	0.09	40.3	37.200
FEH: 100 years: +45 %: 60 mins: Summer	0.09	37.4	46.692
FEH: 100 years: +45 %: 60 mins: Winter	0.09	30.0	46.698

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.623	26.989	27.051	0.062	7.9	0.071	0.000	1.7	1.596	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.623	26.989	27.041	0.052	6.2	0.059	0.000	1.6	1.467	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.623	26.989	27.020	0.031	1.8	0.036	0.000	1.8	1.529	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.623	26.989	27.020	0.031	1.7	0.035	0.000	1.7	1.536	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.623	26.989	27.018	0.029	1.5	0.033	0.000	1.5	1.913	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.623	26.989	27.016	0.027	1.2	0.030	0.000	1.2	1.921	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.623	26.989	27.015	0.026	1.2	0.029	0.000	1.2	2.476	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.623	26.989	27.011	0.022	0.8	0.025	0.000	0.8	2.477	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.792	26.748	27.032	0.284	73.8	0.321	0.000	71.8	37.705	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.792	26.748	27.022	0.274	71.0	0.310	0.000	69.1	37.699	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.792	26.748	26.980	0.232	55.8	0.262	0.000	55.8	48.385	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.792	26.748	26.969	0.221	52.4	0.250	0.000	52.4	48.392	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.792	26.748	26.956	0.208	48.0	0.235	0.000	48.0	60.037	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.792	26.748	26.927	0.179	38.6	0.203	0.000	38.6	60.049	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.792	26.748	26.921	0.173	36.8	0.196	0.000	36.8	77.540	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.792	26.748	26.889	0.141	26.5	0.160	0.000	26.5	77.521	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.622	26.824	27.065	0.241	54.9	0.273	0.000	44.6	25.444	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.622	26.824	27.054	0.230	51.5	0.261	0.000	43.6	25.310	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.622	26.824	27.014	0.190	37.1	0.214	0.000	37.0	32.106	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.622	26.824	27.003	0.179	34.8	0.203	0.000	34.8	32.111	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.622	26.824	26.990	0.166	31.9	0.188	0.000	31.9	39.837	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.622	26.824	26.964	0.140	25.6	0.159	0.000	25.6	39.855	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.622	26.824	26.959	0.135	24.4	0.153	0.000	24.4	51.455	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.622	26.824	26.932	0.108	17.6	0.122	0.000	17.6	51.454	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.502	26.251	26.378	0.127	1.8	0.144	0.000	1.8	1.969	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.502	26.251	26.378	0.127	1.8	0.144	0.000	1.8	1.968	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.502	26.251	26.408	0.157	2.0	0.178	0.000	2.0	4.972	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.502	26.251	26.408	0.157	2.0	0.178	0.000	2.0	4.976	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.502	26.251	26.439	0.188	2.1	0.213	0.000	2.1	11.161	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.502	26.251	26.439	0.188	2.1	0.213	0.000	2.1	11.197	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.502	26.251	26.483	0.232	2.2	0.262	0.000	2.2	24.350	Surcharged
FEH: 2 years: +0 %: 120 mins: Winter	28.502	26.251	26.483	0.232	2.2	0.262	0.000	2.2	24.483	Surcharged

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.755	27.012	27.103	0.091	18.1	0.102	0.000	17.5	7.859	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.755	27.012	27.099	0.087	17.0	0.099	0.000	16.4	7.853	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.755	27.012	27.084	0.072	11.6	0.081	0.000	11.6	10.079	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.755	27.012	27.081	0.069	10.9	0.078	0.000	10.9	10.067	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.755	27.012	27.078	0.066	10.0	0.075	0.000	10.0	12.497	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.755	27.012	27.071	0.059	8.0	0.066	0.000	8.0	12.503	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.755	27.012	27.069	0.057	7.7	0.065	0.000	7.7	16.145	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.755	27.012	27.060	0.048	5.5	0.055	0.000	5.5	16.139	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.888	27.629	27.752	0.123	38.6	0.035	0.000	36.5	17.619	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.888	27.629	27.748	0.118	36.4	0.034	0.000	34.5	17.627	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.888	27.629	27.729	0.100	26.1	0.028	0.000	26.1	22.623	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.888	27.629	27.726	0.097	24.5	0.027	0.000	24.5	22.617	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.888	27.629	27.721	0.092	22.5	0.026	0.000	22.5	28.072	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.888	27.629	27.711	0.082	18.1	0.023	0.000	18.1	28.085	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.888	27.629	27.709	0.080	17.2	0.023	0.000	17.2	36.251	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.888	27.629	27.696	0.067	12.4	0.019	0.000	12.4	36.245	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.850	27.250	27.282	0.032	2.8	0.007	0.000	2.7	1.219	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.850	27.250	27.281	0.031	2.6	0.006	0.000	2.5	1.218	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.850	27.250	27.277	0.027	1.8	0.005	0.000	1.8	1.551	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.850	27.250	27.276	0.026	1.7	0.005	0.000	1.7	1.556	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.850	27.250	27.275	0.025	1.5	0.005	0.000	1.5	1.928	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.850	27.250	27.273	0.023	1.2	0.005	0.000	1.2	1.933	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.850	27.250	27.272	0.022	1.2	0.004	0.000	1.2	2.485	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.850	27.250	27.269	0.019	0.9	0.004	0.000	0.8	2.485	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.200	26.201	26.234	0.033	1.8	0.000	0.000	1.8	1.929	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.200	26.201	26.234	0.033	1.8	0.000	0.000	1.8	1.928	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.200	26.201	26.235	0.034	2.0	0.000	0.000	2.0	4.930	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.200	26.201	26.235	0.034	2.0	0.000	0.000	2.0	4.934	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.200	26.201	26.236	0.035	2.1	0.000	0.000	2.1	11.118	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.200	26.201	26.236	0.035	2.1	0.000	0.000	2.1	11.154	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	24.307	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	24.439	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.711	26.695	26.944	0.249	71.8	1.428	0.000	68.7	37.615	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.711	26.695	26.938	0.243	69.1	1.391	0.000	66.2	37.607	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.711	26.695	26.911	0.216	55.8	1.240	0.000	55.8	48.345	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.711	26.695	26.903	0.208	52.4	1.191	0.000	52.4	48.351	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.711	26.695	26.892	0.197	48.0	1.130	0.000	48.0	60.017	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.711	26.695	26.868	0.173	38.6	0.992	0.000	38.6	60.029	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.711	26.695	26.863	0.168	36.8	0.964	0.000	36.8	77.524	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.711	26.695	26.834	0.139	26.5	0.798	0.000	26.5	77.506	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.888	28.285	28.307	0.022	1.6	0.006	0.000	1.5	0.698	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.888	28.285	28.306	0.021	1.5	0.006	0.000	1.4	0.698	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.888	28.285	28.303	0.018	1.0	0.005	0.000	1.0	0.894	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.888	28.285	28.303	0.018	1.0	0.005	0.000	1.0	0.894	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.888	28.285	28.302	0.017	0.9	0.005	0.000	0.9	1.116	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.888	28.285	28.300	0.015	0.7	0.004	0.000	0.7	1.110	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.888	28.285	28.300	0.015	0.7	0.004	0.000	0.7	1.434	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	1.434	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.558	26.758	26.866	0.108	17.5	0.122	0.000	16.3	7.883	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.558	26.758	26.862	0.104	16.4	0.118	0.000	15.3	7.876	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.558	26.758	26.846	0.088	11.6	0.100	0.000	11.6	10.100	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.558	26.758	26.844	0.086	10.9	0.097	0.000	10.9	10.087	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.558	26.758	26.840	0.082	10.0	0.093	0.000	10.0	12.513	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.558	26.758	26.832	0.074	8.0	0.084	0.000	8.0	12.517	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.558	26.758	26.830	0.072	7.7	0.082	0.000	7.7	16.157	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.558	26.758	26.820	0.062	5.5	0.070	0.000	5.5	16.149	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.754	26.941	27.029	0.088	18.0	0.099	0.000	17.1	7.756	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.754	26.941	27.026	0.085	16.9	0.096	0.000	16.1	7.782	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.754	26.941	27.011	0.070	11.6	0.079	0.000	11.6	10.013	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.754	26.941	27.009	0.068	10.9	0.077	0.000	10.9	10.013	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.754	26.941	27.006	0.065	9.9	0.073	0.000	9.9	12.419	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.754	26.941	26.999	0.058	8.0	0.065	0.000	8.0	12.431	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.754	26.941	26.997	0.056	7.6	0.064	0.000	7.6	16.043	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.754	26.941	26.988	0.047	5.5	0.054	0.000	5.5	16.049	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.560	26.606	26.720	0.115	16.3	0.130	0.000	13.3	7.816	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.560	26.606	26.716	0.111	15.3	0.125	0.000	12.7	7.809	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.560	26.606	26.704	0.098	11.6	0.111	0.000	11.6	10.067	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.560	26.606	26.700	0.094	10.9	0.107	0.000	10.9	10.055	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.560	26.606	26.694	0.089	10.0	0.100	0.000	10.0	12.491	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.560	26.606	26.682	0.077	8.0	0.087	0.000	8.0	12.497	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.560	26.606	26.680	0.074	7.7	0.084	0.000	7.7	16.142	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.560	26.606	26.666	0.060	5.5	0.068	0.000	5.5	16.136	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.846	26.558	26.706	0.148	30.4	0.167	0.000	28.9	15.600	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.846	26.558	26.702	0.144	28.8	0.163	0.000	27.5	15.603	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.846	26.558	26.688	0.130	23.2	0.147	0.000	23.2	20.081	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.846	26.558	26.683	0.125	21.8	0.142	0.000	21.8	20.069	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.846	26.558	26.678	0.120	19.9	0.135	0.000	19.9	24.910	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.846	26.558	26.664	0.106	16.0	0.120	0.000	16.0	24.928	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.846	26.558	26.661	0.103	15.3	0.117	0.000	15.3	32.186	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.846	26.558	26.644	0.087	11.0	0.098	0.000	11.0	32.186	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.888	27.792	27.895	0.103	19.6	0.029	0.000	17.7	8.540	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.888	27.792	27.892	0.100	18.4	0.028	0.000	16.7	8.543	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.888	27.792	27.877	0.086	12.7	0.024	0.000	12.7	10.964	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.888	27.792	27.875	0.083	11.9	0.023	0.000	11.9	10.958	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.888	27.792	27.871	0.079	10.9	0.022	0.000	10.9	13.606	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.888	27.792	27.863	0.071	8.7	0.020	0.000	8.7	13.613	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.888	27.792	27.861	0.069	8.3	0.020	0.000	8.3	17.573	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.888	27.792	27.851	0.059	6.0	0.017	0.000	6.0	17.567	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.623	26.989	27.647	0.658	10.8	0.745	0.000	21.5	6.430	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.623	26.989	27.539	0.550	16.4	0.622	0.000	20.0	6.203	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.623	26.989	27.383	0.394	18.3	0.446	0.000	6.9	5.121	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.623	26.989	27.324	0.335	14.7	0.379	0.000	7.5	4.683	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.623	26.989	27.252	0.263	10.1	0.298	0.000	7.3	5.085	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.623	26.989	27.119	0.130	3.1	0.147	0.000	4.8	4.075	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.623	26.989	27.061	0.072	2.6	0.081	0.000	2.1	4.653	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.623	26.989	27.019	0.030	1.6	0.034	0.000	1.6	4.634	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.792	26.748	27.439	0.691	145.7	0.781	0.000	138.2	75.413	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.792	26.748	27.371	0.623	132.8	0.704	0.000	128.1	75.412	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.792	26.748	27.271	0.523	112.8	0.591	0.000	112.7	98.429	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.792	26.748	27.227	0.479	105.7	0.541	0.000	105.6	98.422	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.792	26.748	27.171	0.423	97.8	0.478	0.000	97.7	123.188	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	28.792	26.748	27.065	0.317	78.3	0.358	0.000	78.2	123.198	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	28.792	26.748	27.023	0.275	68.4	0.311	0.000	68.4	144.657	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.792	26.748	26.960	0.212	49.4	0.240	0.000	49.4	144.638	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.622	26.824	27.614	0.790	109.7	0.894	0.000	87.3	53.468	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.622	26.824	27.509	0.685	103.0	0.774	0.000	77.9	53.283	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.622	26.824	27.382	0.558	74.7	0.631	0.000	74.6	67.273	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.622	26.824	27.323	0.499	70.0	0.565	0.000	69.8	66.875	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.622	26.824	27.252	0.428	64.8	0.484	0.000	64.7	82.912	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	28.622	26.824	27.118	0.294	52.0	0.333	0.000	51.7	81.898	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.622	26.824	27.060	0.236	45.5	0.267	0.000	45.4	96.026	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.622	26.824	26.994	0.170	32.8	0.193	0.000	32.8	95.999	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.502	26.251	26.488	0.238	2.4	0.269	0.000	2.2	2.681	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.502	26.251	26.488	0.238	2.4	0.269	0.000	2.2	2.693	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.502	26.251	26.554	0.303	2.5	0.343	0.000	2.3	6.143	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.502	26.251	26.554	0.303	2.5	0.343	0.000	2.3	6.169	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.502	26.251	26.623	0.372	2.5	0.421	0.000	2.3	13.032	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	28.502	26.251	26.623	0.372	2.5	0.421	0.000	2.3	13.122	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	28.502	26.251	26.677	0.426	2.4	0.482	0.000	2.3	26.816	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	28.502	26.251	26.677	0.426	2.4	0.482	0.000	2.3	27.003	Surcharged

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.755	27.012	27.151	0.139	36.2	0.158	0.000	35.1	15.707	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.755	27.012	27.146	0.134	33.9	0.151	0.000	33.0	15.704	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.755	27.012	27.119	0.107	23.7	0.122	0.000	23.7	20.495	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.755	27.012	27.115	0.103	22.2	0.117	0.000	22.2	20.495	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.755	27.012	27.111	0.099	20.5	0.112	0.000	20.5	25.643	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.755	27.012	27.099	0.087	16.5	0.098	0.000	16.5	25.649	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.755	27.012	27.092	0.080	14.3	0.091	0.000	14.3	30.113	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.755	27.012	27.079	0.067	10.3	0.076	0.000	10.3	30.107	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.888	27.629	27.819	0.190	77.6	0.054	0.000	73.9	35.244	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.888	27.629	27.812	0.183	73.0	0.052	0.000	69.8	35.246	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.888	27.629	27.781	0.152	53.1	0.043	0.000	53.1	46.016	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.888	27.629	27.775	0.146	49.8	0.041	0.000	49.8	46.010	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.888	27.629	27.769	0.139	46.1	0.039	0.000	46.1	57.598	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.888	27.629	27.752	0.122	37.1	0.035	0.000	37.1	57.586	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.888	27.629	27.742	0.113	32.1	0.032	0.000	32.1	67.625	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.888	27.629	27.723	0.094	23.1	0.026	0.000	23.1	67.619	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.850	27.250	27.660	0.410	7.7	0.083	0.000	1.7	3.037	Flood Risk
FEH: 30 years: +0 %: 15 mins: Winter	27.850	27.250	27.549	0.299	12.0	0.061	0.000	1.8	2.993	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.850	27.250	27.384	0.134	3.7	0.027	0.000	3.5	3.203	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.850	27.250	27.325	0.075	3.4	0.015	0.000	3.3	3.167	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.850	27.250	27.283	0.033	3.2	0.007	0.000	3.2	3.956	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.850	27.250	27.280	0.030	2.5	0.006	0.000	2.5	3.958	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.850	27.250	27.279	0.029	2.2	0.006	0.000	2.2	4.646	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.850	27.250	27.275	0.025	1.6	0.005	0.000	1.6	4.645	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	2.637	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.200	26.201	26.237	0.036	2.2	0.000	0.000	2.2	2.648	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.099	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.125	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	12.987	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	13.077	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.772	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.958	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.711	26.695	27.129	0.434	138.2	2.483	0.000	128.9	75.326	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.711	26.695	27.111	0.416	128.1	2.384	0.000	123.1	75.322	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.711	26.695	27.080	0.385	112.7	2.207	0.000	112.4	98.392	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	28.711	26.695	27.061	0.366	105.6	2.098	0.000	105.3	98.383	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	28.711	26.695	27.030	0.335	97.7	1.917	0.000	97.4	123.171	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	28.711	26.695	26.968	0.273	78.2	1.560	0.000	78.0	123.179	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.711	26.695	26.942	0.247	68.4	1.416	0.000	68.3	144.638	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.711	26.695	26.896	0.201	49.4	1.149	0.000	49.4	144.620	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.888	28.285	28.315	0.030	3.2	0.009	0.000	3.0	1.392	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.888	28.285	28.315	0.030	3.0	0.008	0.000	2.8	1.391	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.888	28.285	28.311	0.026	2.1	0.007	0.000	2.1	1.818	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.888	28.285	28.310	0.025	2.0	0.007	0.000	2.0	1.818	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.888	28.285	28.309	0.024	1.8	0.007	0.000	1.8	2.280	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.888	28.285	28.307	0.022	1.5	0.006	0.000	1.5	2.274	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.888	28.285	28.305	0.020	1.3	0.006	0.000	1.3	2.670	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.888	28.285	28.302	0.017	0.9	0.005	0.000	0.9	2.664	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.558	26.758	26.916	0.158	35.1	0.179	0.000	32.8	15.739	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.558	26.758	26.911	0.153	33.0	0.173	0.000	31.0	15.736	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.558	26.758	26.887	0.129	23.7	0.146	0.000	23.7	20.524	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.558	26.758	26.883	0.125	22.2	0.141	0.000	22.2	20.523	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.558	26.758	26.877	0.119	20.5	0.135	0.000	20.5	25.667	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.558	26.758	26.864	0.106	16.5	0.120	0.000	16.5	25.670	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.558	26.758	26.856	0.098	14.3	0.111	0.000	14.3	30.156	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.558	26.758	26.841	0.083	10.3	0.094	0.000	10.3	30.148	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.754	26.941	27.076	0.135	35.9	0.153	0.000	35.0	15.466	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.754	26.941	27.071	0.130	33.7	0.146	0.000	32.9	15.486	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.754	26.941	27.045	0.104	23.5	0.117	0.000	23.5	20.272	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.754	26.941	27.041	0.100	22.1	0.113	0.000	22.1	20.284	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.754	26.941	27.036	0.095	20.4	0.108	0.000	20.4	25.426	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.754	26.941	27.026	0.085	16.4	0.096	0.000	16.4	25.471	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.754	26.941	27.019	0.078	14.2	0.089	0.000	14.2	29.922	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.754	26.941	27.007	0.066	10.2	0.074	0.000	10.2	29.908	OK

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

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.560	26.606	26.801	0.196	32.8	0.222	0.000	27.4	15.658	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.560	26.606	26.794	0.188	31.0	0.213	0.000	26.2	15.654	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.560	26.606	26.771	0.165	23.7	0.187	0.000	23.7	20.480	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.560	26.606	26.763	0.157	22.2	0.178	0.000	22.2	20.480	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.560	26.606	26.754	0.149	20.5	0.168	0.000	20.5	25.623	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.560	26.606	26.732	0.127	16.5	0.143	0.000	16.5	25.630	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.560	26.606	26.720	0.114	14.3	0.129	0.000	14.3	29.841	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.560	26.606	26.696	0.090	10.3	0.102	0.000	10.3	29.838	OK

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

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

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

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



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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.846	26.558	26.786	0.228	62.4	0.258	0.000	60.2	31.250	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.846	26.558	26.778	0.221	59.1	0.249	0.000	57.1	31.238	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.846	26.558	26.753	0.195	47.2	0.221	0.000	47.2	40.773	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.846	26.558	26.746	0.188	44.3	0.213	0.000	44.3	40.791	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.846	26.558	26.738	0.180	40.9	0.203	0.000	40.9	50.910	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.846	26.558	26.716	0.158	32.9	0.179	0.000	32.9	50.947	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.846	26.558	26.704	0.146	28.5	0.165	0.000	28.5	59.444	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.846	26.558	26.679	0.121	20.5	0.137	0.000	20.5	59.429	OK

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.888	27.792	27.948	0.156	39.2	0.044	0.000	35.7	17.079	OK
FEH: 30 years: +0 %: 15 mins: Winter	28.888	27.792	27.943	0.151	36.8	0.043	0.000	33.8	17.082	OK
FEH: 30 years: +0 %: 30 mins: Summer	28.888	27.792	27.919	0.127	25.8	0.036	0.000	25.7	22.303	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.888	27.792	27.914	0.122	24.2	0.035	0.000	24.2	22.297	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.888	27.792	27.909	0.117	22.3	0.033	0.000	22.3	27.921	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.888	27.792	27.895	0.103	18.0	0.029	0.000	18.0	27.910	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.888	27.792	27.887	0.095	15.6	0.027	0.000	15.6	32.777	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.888	27.792	27.872	0.080	11.2	0.023	0.000	11.2	32.771	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.623	26.989	27.918	0.929	64.0	1.051	0.000	65.3	19.221	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.623	26.989	27.898	0.909	57.7	1.029	0.000	62.1	16.093	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.623	26.989	27.809	0.820	20.9	0.927	0.000	19.4	8.169	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.623	26.989	27.711	0.722	19.0	0.816	0.000	17.7	7.891	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.623	26.989	27.605	0.616	15.0	0.697	0.000	15.5	8.587	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.623	26.989	27.366	0.377	7.6	0.426	0.000	9.2	6.933	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.623	26.989	27.235	0.246	7.7	0.278	0.000	7.7	7.262	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.623	26.989	27.064	0.075	2.2	0.085	0.000	2.9	6.487	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.792	26.748	27.806	1.058	187.2	1.197	0.000	185.4	105.624	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.792	26.748	27.766	1.018	181.9	1.151	0.000	180.5	105.590	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.792	26.748	27.593	0.845	159.0	0.956	0.000	159.0	137.812	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.792	26.748	27.520	0.772	149.3	0.873	0.000	149.2	137.816	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.792	26.748	27.440	0.692	138.0	0.782	0.000	138.0	172.460	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.792	26.748	27.258	0.510	110.6	0.577	0.000	110.6	172.481	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.792	26.748	27.157	0.409	95.7	0.463	0.000	95.6	202.333	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	28.792	26.748	27.025	0.277	69.0	0.313	0.000	69.0	202.311	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.622	26.824	28.016	1.192	153.6	1.348	0.000	105.4	79.508	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.622	26.824	27.974	1.150	144.2	1.300	0.000	105.2	77.915	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.622	26.824	27.807	0.983	105.5	1.112	0.000	105.5	94.659	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.622	26.824	27.710	0.886	99.1	1.002	0.000	99.1	94.452	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.622	26.824	27.604	0.780	91.6	0.882	0.000	91.6	117.149	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.622	26.824	27.365	0.541	73.4	0.612	0.000	73.3	115.878	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.622	26.824	27.235	0.411	63.4	0.464	0.000	63.4	135.235	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	28.622	26.824	27.063	0.239	45.8	0.270	0.000	45.8	134.448	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.502	26.251	26.577	0.327	2.7	0.369	0.000	2.3	2.896	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.502	26.251	26.577	0.326	2.7	0.369	0.000	2.3	2.916	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.502	26.251	26.669	0.418	2.8	0.473	0.000	2.3	6.381	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.502	26.251	26.669	0.418	2.7	0.473	0.000	2.3	6.414	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.502	26.251	26.764	0.513	2.7	0.580	0.000	2.3	13.131	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.502	26.251	26.764	0.513	2.6	0.580	0.000	2.3	13.214	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.502	26.251	26.840	0.589	2.6	0.666	0.000	2.3	26.240	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	28.502	26.251	26.840	0.589	2.5	0.666	0.000	2.3	26.393	Surcharged

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.755	27.012	27.192	0.180	50.6	0.204	0.000	49.0	21.957	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.755	27.012	27.183	0.171	47.5	0.193	0.000	46.1	21.989	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.755	27.012	27.145	0.133	33.1	0.150	0.000	33.1	28.692	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.755	27.012	27.139	0.127	31.1	0.144	0.000	31.1	28.691	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.755	27.012	27.133	0.121	28.7	0.137	0.000	28.7	35.897	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.755	27.012	27.118	0.106	23.1	0.120	0.000	23.1	35.903	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.755	27.012	27.109	0.097	20.0	0.110	0.000	20.0	42.166	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.755	27.012	27.093	0.081	14.4	0.091	0.000	14.4	42.160	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.888	27.629	27.875	0.246	108.4	0.070	0.000	103.3	49.352	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.888	27.629	27.863	0.234	102.1	0.066	0.000	97.7	49.352	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.888	27.629	27.818	0.189	74.4	0.054	0.000	74.4	64.413	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.888	27.629	27.810	0.181	69.8	0.051	0.000	69.8	64.430	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.888	27.629	27.801	0.172	64.5	0.049	0.000	64.5	80.620	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.888	27.629	27.779	0.150	51.9	0.042	0.000	51.9	80.632	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.888	27.629	27.766	0.137	44.9	0.039	0.000	44.9	94.691	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.888	27.629	27.742	0.113	32.3	0.032	0.000	32.3	94.682	OK

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

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

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

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

FEH: 30 years: +40 %: 10080 mins: Winter	28.888	27.629	27.651	0.022	1.3	0.006	0.000	1.3	319.553	OK

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.850	27.250	27.852	0.602	52.3	2.352	2.230	64.0	9.834	Flood
FEH: 30 years: +40 %: 15 mins: Winter	27.850	27.250	27.852	0.602	44.4	1.728	1.606	57.7	8.300	Flood
FEH: 30 years: +40 %: 30 mins: Summer	27.850	27.250	27.809	0.559	13.2	0.114	0.000	5.1	4.981	Flood Risk
FEH: 30 years: +40 %: 30 mins: Winter	27.850	27.250	27.712	0.462	12.2	0.094	0.000	4.8	4.915	Flood Risk
FEH: 30 years: +40 %: 60 mins: Summer	27.850	27.250	27.605	0.355	12.9	0.072	0.000	4.4	5.905	Flood Risk
FEH: 30 years: +40 %: 60 mins: Winter	27.850	27.250	27.367	0.117	3.6	0.024	0.000	3.5	5.547	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.850	27.250	27.283	0.033	3.1	0.007	0.000	3.1	6.509	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.850	27.250	27.279	0.029	2.2	0.006	0.000	2.2	6.500	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.851	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.871	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.336	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.370	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	13.087	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	13.170	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.197	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.349	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.711	26.695	27.293	0.598	185.4	3.422	0.000	181.9	105.534	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.711	26.695	27.278	0.583	180.5	3.339	0.000	178.0	105.498	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.711	26.695	27.213	0.518	159.0	2.965	0.000	159.0	137.775	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.711	26.695	27.183	0.488	149.2	2.793	0.000	149.2	137.777	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.711	26.695	27.150	0.455	138.0	2.606	0.000	138.0	171.962	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.711	26.695	27.075	0.380	110.6	2.177	0.000	110.5	171.982	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	28.711	26.695	27.022	0.327	95.6	1.873	0.000	95.5	201.278	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	28.711	26.695	26.944	0.249	69.0	1.425	0.000	69.0	201.250	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.888	28.285	28.321	0.036	4.5	0.010	0.000	4.2	1.953	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.888	28.285	28.320	0.035	4.2	0.010	0.000	4.0	1.953	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.888	28.285	28.315	0.030	2.9	0.009	0.000	2.9	2.544	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.888	28.285	28.314	0.029	2.8	0.008	0.000	2.8	2.550	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.888	28.285	28.313	0.028	2.6	0.008	0.000	2.5	3.186	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.888	28.285	28.310	0.025	2.0	0.007	0.000	2.0	3.186	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.888	28.285	28.309	0.024	1.8	0.007	0.000	1.8	3.738	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.888	28.285	28.305	0.020	1.3	0.006	0.000	1.3	3.750	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.558	26.758	26.959	0.201	49.0	0.228	0.000	45.2	22.008	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.558	26.758	26.950	0.192	46.1	0.218	0.000	42.8	22.021	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.558	26.758	26.916	0.158	33.1	0.179	0.000	33.1	28.744	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.558	26.758	26.909	0.151	31.1	0.171	0.000	31.1	28.743	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.558	26.758	26.902	0.144	28.7	0.163	0.000	28.7	35.988	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.558	26.758	26.885	0.127	23.1	0.144	0.000	23.1	35.993	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.558	26.758	26.876	0.118	20.0	0.133	0.000	20.0	41.940	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.558	26.758	26.857	0.099	14.4	0.112	0.000	14.4	41.879	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.754	26.941	27.117	0.176	50.3	0.200	0.000	49.1	21.685	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.754	26.941	27.109	0.168	47.2	0.190	0.000	46.2	21.707	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.754	26.941	27.069	0.128	32.9	0.145	0.000	32.9	28.356	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.754	26.941	27.064	0.123	30.9	0.139	0.000	30.9	28.381	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.754	26.941	27.057	0.116	28.6	0.132	0.000	28.6	35.519	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.754	26.941	27.043	0.102	23.0	0.115	0.000	23.0	35.547	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.754	26.941	27.035	0.094	19.9	0.106	0.000	19.9	41.763	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.754	26.941	27.020	0.079	14.3	0.089	0.000	14.3	41.821	OK

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

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

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

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

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

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



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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.560	26.606	26.868	0.262	45.2	0.297	0.000	38.1	21.931	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.560	26.606	26.855	0.249	42.8	0.282	0.000	36.8	21.940	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.560	26.606	26.820	0.214	33.1	0.242	0.000	33.1	28.331	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.560	26.606	26.809	0.203	31.1	0.230	0.000	31.1	28.330	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.560	26.606	26.797	0.191	28.7	0.216	0.000	28.7	34.683	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.560	26.606	26.768	0.162	23.1	0.183	0.000	23.1	34.691	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.560	26.606	26.840	0.234	20.0	0.265	0.000	20.0	40.024	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.560	26.606	26.840	0.234	14.4	0.265	0.000	14.4	39.919	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.846	26.558	26.846	0.288	87.3	0.326	0.000	83.9	43.758	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.846	26.558	26.834	0.276	83.0	0.313	0.000	79.7	43.766	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.846	26.558	26.799	0.241	66.0	0.273	0.000	66.0	56.413	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.846	26.558	26.789	0.231	62.0	0.262	0.000	62.0	56.404	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.846	26.558	26.778	0.220	57.3	0.249	0.000	57.3	69.331	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.846	26.558	26.764	0.206	46.1	0.233	0.000	46.1	69.339	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.846	26.558	26.840	0.282	39.9	0.319	0.000	39.9	80.464	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.846	26.558	26.840	0.282	28.7	0.319	0.000	28.7	80.418	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.888	27.792	27.990	0.198	54.9	0.056	0.000	49.8	23.919	OK
FEH: 30 years: +40 %: 15 mins: Winter	28.888	27.792	27.981	0.190	51.5	0.054	0.000	47.1	23.918	OK
FEH: 30 years: +40 %: 30 mins: Summer	28.888	27.792	27.948	0.156	36.0	0.044	0.000	36.0	31.219	OK
FEH: 30 years: +40 %: 30 mins: Winter	28.888	27.792	27.942	0.150	33.8	0.042	0.000	33.8	31.225	OK
FEH: 30 years: +40 %: 60 mins: Summer	28.888	27.792	27.935	0.143	31.3	0.040	0.000	31.3	39.075	OK
FEH: 30 years: +40 %: 60 mins: Winter	28.888	27.792	27.917	0.125	25.1	0.035	0.000	25.1	39.081	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.888	27.792	27.907	0.115	21.8	0.033	0.000	21.8	45.898	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.888	27.792	27.888	0.096	15.7	0.027	0.000	15.7	45.893	OK

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.623	26.989	28.042	1.053	81.5	1.191	0.000	57.3	41.176	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.623	26.989	28.005	1.016	72.5	1.150	0.000	52.9	37.001	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.623	26.989	27.886	0.897	64.5	1.015	0.000	65.6	30.298	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.623	26.989	27.879	0.890	58.8	1.007	0.000	59.6	23.215	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.623	26.989	27.857	0.868	18.0	0.981	0.000	17.9	16.571	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.623	26.989	27.672	0.683	11.4	0.772	0.000	10.2	9.689	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.623	26.989	27.479	0.490	4.8	0.554	0.000	9.6	10.410	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.623	26.989	27.188	0.199	2.9	0.225	0.000	4.6	8.502	OK

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

FEH: 100 years: +45 %: 180 mins: Summer	28.623	26.989	27.233	0.244	4.9	0.276	0.000	6.2	9.460	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.623	26.989	27.061	0.072	2.1	0.082	0.000	2.4	8.951	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.623	26.989	27.119	0.130	2.5	0.147	0.000	4.3	9.296	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.623	26.989	27.105	0.116	1.7	0.132	0.000	1.7	9.231	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.623	26.989	27.170	0.181	1.9	0.205	0.000	1.9	9.907	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.623	26.989	27.171	0.182	1.2	0.206	0.000	1.2	9.723	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.623	26.989	27.219	0.230	1.6	0.260	0.000	1.6	10.383	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.623	26.989	27.219	0.230	1.0	0.261	0.000	1.0	10.230	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.623	26.989	27.256	0.267	1.3	0.302	0.000	1.3	10.755	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.623	26.989	27.257	0.268	0.8	0.303	0.000	0.8	10.745	OK

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

FEH: 100 years: +45 %: 720 mins: Summer	28.623	26.989	27.286	0.297	1.1	0.335	0.000	1.1	11.415	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.623	26.989	27.287	0.298	0.7	0.337	0.000	0.7	11.256	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.623	26.989	27.330	0.341	0.9	0.386	0.000	0.9	12.411	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.623	26.989	27.333	0.344	0.6	0.389	0.000	0.6	12.338	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.623	26.989	27.382	0.393	0.7	0.444	0.000	0.7	14.379	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.623	26.989	27.388	0.399	0.5	0.451	0.000	0.5	14.309	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.623	26.989	27.407	0.418	0.5	0.473	0.000	0.5	16.939	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.623	26.989	27.418	0.429	0.3	0.486	0.000	0.3	16.977	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.623	26.989	27.410	0.421	0.4	0.476	0.000	0.4	18.300	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.623	26.989	27.422	0.433	0.3	0.490	0.000	0.3	18.423	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.623	26.989	27.404	0.415	0.3	0.469	0.000	0.3	20.654	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.623	26.989	27.404	0.415	0.2	0.469	0.000	0.2	20.641	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.623	26.989	27.393	0.404	0.3	0.456	0.000	0.3	22.067	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.623	26.989	27.383	0.394	0.2	0.446	0.000	0.2	22.290	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.623	26.989	27.382	0.393	0.2	0.445	0.000	0.2	23.852	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.623	26.989	27.359	0.370	0.1	0.418	0.000	0.1	23.519	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.623	26.989	27.373	0.384	0.2	0.434	0.000	0.2	25.536	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.623	26.989	27.333	0.344	0.1	0.389	0.000	0.1	25.103	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.623	26.989	27.366	0.377	0.2	0.426	0.000	0.2	26.994	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.623	26.989	27.309	0.320	0.1	0.362	0.000	0.1	26.980	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S03 - 5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.792	26.748	28.062	1.314	218.0	1.487	0.000	214.0	136.431	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.792	26.748	27.986	1.238	209.2	1.400	0.000	205.7	136.426	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.792	26.748	27.725	0.977	179.4	1.105	0.000	177.6	179.643	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.792	26.748	27.686	0.938	175.8	1.060	0.000	172.5	179.684	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.792	26.748	27.648	0.900	166.6	1.018	0.000	165.9	225.575	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.792	26.748	27.490	0.742	145.2	0.839	0.000	145.2	225.362	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.792	26.748	27.344	0.596	123.9	0.675	0.000	123.9	259.200	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.792	26.748	27.120	0.372	89.1	0.420	0.000	89.1	258.950	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.792	26.748	27.155	0.407	95.4	0.461	0.000	95.3	282.272	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.792	26.748	27.062	0.314	65.9	0.355	0.000	65.9	282.177	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.792	26.748	27.105	0.357	78.2	0.404	0.000	78.1	300.638	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.792	26.748	27.106	0.358	53.0	0.404	0.000	53.0	300.433	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.792	26.748	27.170	0.422	59.2	0.478	0.000	59.2	329.931	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.792	26.748	27.171	0.423	39.0	0.479	0.000	39.0	329.527	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.792	26.748	27.218	0.470	48.6	0.532	0.000	48.6	353.294	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.792	26.748	27.220	0.472	31.4	0.533	0.000	31.4	352.983	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.792	26.748	27.256	0.508	41.2	0.574	0.000	41.2	372.944	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.792	26.748	27.257	0.509	26.6	0.576	0.000	26.6	372.944	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.792	26.748	27.286	0.538	35.9	0.608	0.000	35.9	390.765	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.792	26.748	27.287	0.539	23.2	0.610	0.000	23.2	390.476	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.792	26.748	27.330	0.582	29.0	0.658	0.000	28.9	421.006	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.792	26.748	27.333	0.585	18.7	0.662	0.000	18.7	420.840	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.792	26.748	27.381	0.633	21.5	0.716	0.000	21.4	469.288	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.792	26.748	27.388	0.640	13.9	0.723	0.000	13.7	469.282	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.792	26.748	27.407	0.659	16.0	0.746	0.000	15.7	524.989	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.792	26.748	27.418	0.670	10.2	0.758	0.000	10.1	524.963	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.792	26.748	27.410	0.662	12.9	0.748	0.000	12.7	569.254	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.792	26.748	27.422	0.674	8.3	0.762	0.000	8.2	569.445	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.792	26.748	27.404	0.656	9.6	0.742	0.000	9.5	637.709	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.792	26.748	27.404	0.656	6.2	0.741	0.000	6.1	637.367	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.792	26.748	27.393	0.645	7.9	0.729	0.000	7.8	693.099	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.792	26.748	27.383	0.635	5.0	0.718	0.000	5.0	693.653	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.792	26.748	27.382	0.634	6.8	0.717	0.000	6.7	743.328	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.792	26.748	27.359	0.611	4.4	0.691	0.000	4.3	743.446	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.792	26.748	27.373	0.625	6.0	0.707	0.000	5.9	790.476	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.792	26.748	27.333	0.585	3.9	0.662	0.000	3.8	789.256	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.792	26.748	27.366	0.618	5.4	0.699	0.000	5.4	834.401	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.792	26.748	27.309	0.561	3.5	0.634	0.000	3.5	834.873	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S02 - 5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.622	26.824	28.298	1.474	198.4	1.667	0.000	112.4	110.432	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.622	26.824	28.213	1.389	186.4	1.571	0.000	110.0	108.331	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.622	26.824	27.947	1.123	131.0	1.270	0.000	109.8	133.028	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.622	26.824	27.919	1.095	123.0	1.239	0.000	110.4	129.441	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.622	26.824	27.860	1.036	114.0	1.171	0.000	106.0	155.735	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.622	26.824	27.671	0.847	96.4	0.958	0.000	96.4	151.950	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.622	26.824	27.478	0.654	82.3	0.740	0.000	82.2	174.252	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.622	26.824	27.187	0.363	59.1	0.411	0.000	59.1	172.332	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.622	26.824	27.232	0.408	63.3	0.462	0.000	63.2	188.158	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.622	26.824	27.061	0.237	43.7	0.269	0.000	43.7	187.602	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.622	26.824	27.119	0.295	51.9	0.333	0.000	51.7	199.726	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.622	26.824	27.105	0.281	35.2	0.318	0.000	35.2	199.569	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.622	26.824	27.170	0.346	39.3	0.392	0.000	39.3	219.029	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.622	26.824	27.171	0.347	25.9	0.393	0.000	25.9	218.627	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.622	26.824	27.218	0.394	32.2	0.446	0.000	32.2	234.402	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.622	26.824	27.219	0.395	20.9	0.447	0.000	20.9	234.095	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.622	26.824	27.256	0.432	27.3	0.488	0.000	27.3	247.315	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.622	26.824	27.257	0.433	17.6	0.490	0.000	17.6	247.307	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.622	26.824	27.286	0.462	23.8	0.522	0.000	23.8	259.150	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.622	26.824	27.287	0.463	15.4	0.524	0.000	15.4	258.912	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.622	26.824	27.330	0.506	19.2	0.572	0.000	19.2	279.208	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.622	26.824	27.333	0.509	12.4	0.576	0.000	12.4	279.100	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.622	26.824	27.381	0.557	14.3	0.631	0.000	14.3	311.463	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.622	26.824	27.388	0.564	9.2	0.637	0.000	9.2	311.429	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.622	26.824	27.407	0.583	10.6	0.660	0.000	10.6	348.807	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.622	26.824	27.418	0.594	6.8	0.672	0.000	6.8	348.787	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.622	26.824	27.410	0.586	8.6	0.663	0.000	8.6	378.138	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.622	26.824	27.422	0.598	5.5	0.676	0.000	5.5	378.281	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.622	26.824	27.404	0.580	6.4	0.656	0.000	6.4	423.151	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.622	26.824	27.404	0.580	4.1	0.655	0.000	4.1	423.065	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.622	26.824	27.393	0.569	5.2	0.643	0.000	5.2	459.939	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.622	26.824	27.383	0.559	3.4	0.632	0.000	3.3	460.210	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.622	26.824	27.382	0.558	4.5	0.631	0.000	4.5	493.535	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.622	26.824	27.359	0.535	2.9	0.605	0.000	2.9	493.245	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.622	26.824	27.373	0.549	4.0	0.621	0.000	4.0	524.854	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.622	26.824	27.333	0.509	2.6	0.576	0.000	2.6	523.916	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.622	26.824	27.366	0.542	3.6	0.613	0.000	3.6	554.146	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.622	26.824	27.309	0.485	2.3	0.549	0.000	2.3	554.132	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S04- 5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.502	26.251	26.667	0.416	3.0	0.471	0.000	2.3	2.991	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.502	26.251	26.667	0.416	3.0	0.471	0.000	2.3	3.015	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.502	26.251	26.788	0.538	2.9	0.608	0.000	2.3	6.366	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.502	26.251	26.788	0.538	2.9	0.608	0.000	2.3	6.401	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.502	26.251	26.912	0.662	2.9	0.748	0.000	2.3	12.157	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.502	26.251	26.912	0.662	2.8	0.748	0.000	2.3	12.226	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.502	26.251	27.003	0.753	2.7	0.851	0.000	2.3	24.829	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.502	26.251	27.003	0.752	2.6	0.851	0.000	2.3	24.966	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.502	26.251	27.062	0.811	2.6	0.917	0.000	2.3	38.467	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.502	26.251	27.062	0.811	2.5	0.917	0.000	2.3	38.633	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.502	26.251	27.105	0.855	2.5	0.967	0.000	2.3	52.518	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.502	26.251	27.105	0.855	2.4	0.967	0.000	2.3	52.677	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.502	26.251	27.171	0.920	2.4	1.040	0.000	2.3	81.246	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.502	26.251	27.171	0.920	2.4	1.041	0.000	2.3	81.350	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.502	26.251	27.218	0.968	2.4	1.094	0.000	2.3	110.627	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.502	26.251	27.219	0.968	2.4	1.095	0.000	2.3	110.644	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.502	26.251	27.255	1.005	2.4	1.136	0.000	2.3	140.380	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.502	26.251	27.257	1.006	2.3	1.138	0.000	2.3	140.306	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.502	26.251	27.285	1.035	2.4	1.170	0.000	2.3	170.292	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.502	26.251	27.287	1.036	2.3	1.172	0.000	2.3	170.098	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.502	26.251	27.329	1.079	2.3	1.220	0.000	2.3	230.301	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.502	26.251	27.333	1.082	2.3	1.224	0.000	2.3	229.927	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.502	26.251	27.381	1.130	2.3	1.278	0.000	2.3	349.360	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.502	26.251	27.387	1.136	2.3	1.285	0.000	2.3	348.713	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.502	26.251	27.407	1.156	2.4	1.308	0.000	2.4	521.351	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.502	26.251	27.418	1.167	2.4	1.320	0.000	2.4	520.344	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.502	26.251	27.409	1.159	2.4	1.310	0.000	2.4	685.722	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.502	26.251	27.422	1.171	2.4	1.324	0.000	2.4	684.701	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.502	26.251	27.403	1.152	2.4	1.303	0.000	2.4	1034.233	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.502	26.251	27.403	1.152	2.4	1.303	0.000	2.4	1033.900	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.502	26.251	27.392	1.141	2.3	1.291	0.000	2.3	1288.427	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.502	26.251	27.382	1.132	2.3	1.280	0.000	2.3	1289.921	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.502	26.251	27.382	1.131	2.3	1.279	0.000	2.3	1396.730	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.502	26.251	27.358	1.108	2.3	1.253	0.000	2.3	1397.373	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.502	26.251	27.373	1.122	2.3	1.269	0.000	2.3	1485.632	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.502	26.251	27.332	1.082	2.3	1.223	0.000	2.3	1484.385	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.502	26.251	27.365	1.115	2.3	1.261	0.000	2.3	1570.272	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.502	26.251	27.309	1.058	2.3	1.196	0.000	2.3	1570.461	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S12-5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.755	27.012	27.319	0.307	65.4	0.347	0.000	60.8	28.229	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.755	27.012	27.252	0.240	61.4	0.272	0.000	57.5	28.254	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.755	27.012	27.173	0.161	43.2	0.182	0.000	43.2	37.416	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.755	27.012	27.165	0.153	40.5	0.173	0.000	40.5	37.416	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.755	27.012	27.157	0.145	37.6	0.164	0.000	37.6	46.938	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.755	27.012	27.137	0.125	30.2	0.142	0.000	30.2	46.922	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.755	27.012	27.125	0.113	25.8	0.128	0.000	25.8	54.355	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.755	27.012	27.105	0.093	18.6	0.105	0.000	18.6	54.361	OK

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

FEH: 100 years: +45 %: 180 mins: Summer	28.755	27.012	27.109	0.097	19.9	0.110	0.000	19.9	59.376	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.755	27.012	27.090	0.078	13.7	0.089	0.000	13.7	59.359	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.755	27.012	27.106	0.094	16.4	0.106	0.000	16.4	63.219	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.755	27.012	27.106	0.094	11.0	0.106	0.000	11.0	63.215	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.755	27.012	27.170	0.158	12.3	0.179	0.000	12.3	69.382	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.755	27.012	27.171	0.159	8.1	0.180	0.000	8.1	69.340	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.755	27.012	27.218	0.206	10.1	0.233	0.000	10.1	74.285	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.755	27.012	27.219	0.207	6.6	0.235	0.000	6.6	74.273	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.755	27.012	27.256	0.244	8.6	0.276	0.000	8.6	78.456	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.755	27.012	27.257	0.245	5.5	0.277	0.000	5.5	78.454	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.755	27.012	27.286	0.274	7.5	0.309	0.000	7.5	82.120	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.755	27.012	27.287	0.275	4.8	0.311	0.000	4.8	82.101	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.755	27.012	27.330	0.318	6.0	0.359	0.000	6.0	88.383	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.755	27.012	27.333	0.321	3.9	0.363	0.000	3.9	88.432	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.755	27.012	27.381	0.369	4.5	0.418	0.000	4.5	98.486	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.755	27.012	27.388	0.376	2.9	0.425	0.000	2.9	98.520	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.755	27.012	27.407	0.395	3.3	0.447	0.000	3.3	109.777	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.755	27.012	27.418	0.406	2.1	0.460	0.000	2.1	109.772	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.755	27.012	27.410	0.398	2.7	0.450	0.000	2.7	118.662	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.755	27.012	27.422	0.410	1.7	0.464	0.000	1.7	118.787	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.755	27.012	27.404	0.392	2.0	0.443	0.000	2.0	132.723	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.755	27.012	27.403	0.391	1.3	0.443	0.000	1.3	132.806	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.755	27.012	27.393	0.381	1.6	0.430	0.000	1.6	144.209	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.755	27.012	27.383	0.371	1.1	0.419	0.000	1.1	144.333	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.755	27.012	27.382	0.370	1.4	0.419	0.000	1.4	154.741	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.755	27.012	27.359	0.347	0.9	0.392	0.000	0.9	154.744	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.755	27.012	27.373	0.361	1.2	0.408	0.000	1.2	164.234	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.755	27.012	27.333	0.321	0.8	0.363	0.000	0.8	164.422	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.755	27.012	27.366	0.354	1.1	0.400	0.000	1.1	173.816	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.755	27.012	27.309	0.297	0.7	0.336	0.000	0.7	173.813	Surcharged

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.888	27.629	27.996	0.367	126.9	0.104	0.000	123.5	63.783	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.888	27.629	27.949	0.320	129.1	0.091	0.000	121.4	63.775	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.888	27.629	27.860	0.230	97.0	0.065	0.000	97.0	84.033	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.888	27.629	27.848	0.219	91.0	0.062	0.000	91.0	84.027	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.888	27.629	27.836	0.207	84.4	0.059	0.000	84.4	105.496	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.888	27.629	27.807	0.178	67.9	0.050	0.000	67.9	105.472	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.888	27.629	27.790	0.161	58.0	0.045	0.000	58.0	122.147	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.888	27.629	27.760	0.131	41.7	0.037	0.000	41.7	122.138	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.888	27.629	27.766	0.137	44.7	0.039	0.000	44.7	133.433	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.888	27.629	27.739	0.110	30.8	0.031	0.000	30.8	133.487	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.888	27.629	27.751	0.122	36.9	0.035	0.000	36.9	142.319	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.888	27.629	27.727	0.097	24.8	0.028	0.000	24.8	142.343	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.888	27.629	27.733	0.104	27.7	0.029	0.000	27.7	156.311	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.888	27.629	27.711	0.082	18.2	0.023	0.000	18.2	156.338	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.888	27.629	27.722	0.093	22.7	0.026	0.000	22.7	167.525	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.888	27.629	27.702	0.073	14.7	0.021	0.000	14.7	167.489	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.888	27.629	27.714	0.085	19.3	0.024	0.000	19.3	176.963	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.888	27.629	27.696	0.067	12.4	0.019	0.000	12.4	176.903	OK

FEH: 100 years: +45 %: 720 mins: Summer	28.888	27.629	27.708	0.079	16.8	0.022	0.000	16.8	185.207	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.888	27.629	27.692	0.062	10.8	0.018	0.000	10.8	185.165	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.888	27.629	27.699	0.070	13.6	0.020	0.000	13.6	199.265	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.888	27.629	27.685	0.056	8.8	0.016	0.000	8.8	199.289	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.888	27.629	27.689	0.060	10.1	0.017	0.000	10.1	221.579	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.888	27.629	27.677	0.048	6.5	0.014	0.000	6.5	221.777	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.888	27.629	27.681	0.051	7.5	0.015	0.000	7.5	246.563	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.888	27.629	27.670	0.041	4.8	0.012	0.000	4.8	246.539	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.888	27.629	27.675	0.046	6.0	0.013	0.000	6.0	266.507	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.888	27.629	27.666	0.037	3.9	0.011	0.000	3.9	266.723	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.888	27.629	27.669	0.040	4.5	0.011	0.000	4.5	298.343	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.888	27.629	27.661	0.032	2.9	0.009	0.000	2.9	298.463	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.888	27.629	27.665	0.036	3.7	0.010	0.000	3.7	323.657	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.888	27.629	27.658	0.029	2.4	0.008	0.000	2.4	324.293	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.888	27.629	27.662	0.033	3.1	0.009	0.000	3.1	347.093	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.888	27.629	27.656	0.027	2.0	0.008	0.000	2.0	347.597	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.888	27.629	27.661	0.032	2.8	0.009	0.000	2.8	368.801	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.888	27.629	27.655	0.026	1.8	0.007	0.000	1.8	368.468	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.888	27.629	27.659	0.030	2.5	0.009	0.000	2.5	390.461	OK

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.888	27.629	27.653	0.024	1.6	0.007	0.000	1.6	389.945	OK

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S14 - 5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.850	27.250	27.866	0.616	89.4	15.732	15.610	55.8	21.231	Flood
FEH: 100 years: +45 %: 15 mins: Winter	27.850	27.250	27.864	0.614	80.2	13.769	13.647	51.6	19.168	Flood
FEH: 100 years: +45 %: 30 mins: Summer	27.850	27.250	27.861	0.611	34.3	10.970	10.848	64.5	16.549	Flood
FEH: 100 years: +45 %: 30 mins: Winter	27.850	27.250	27.858	0.608	25.3	7.978	7.856	58.8	13.119	Flood
FEH: 100 years: +45 %: 60 mins: Summer	27.850	27.250	27.854	0.604	14.6	4.411	4.289	18.0	10.603	Flood
FEH: 100 years: +45 %: 60 mins: Winter	27.850	27.250	27.673	0.423	4.7	0.086	0.000	6.9	7.436	Flood Risk
FEH: 100 years: +45 %: 120 mins: Summer	27.850	27.250	27.480	0.230	4.3	0.047	0.000	4.0	8.498	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.850	27.250	27.282	0.032	2.9	0.006	0.000	2.9	8.380	OK

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

FEH: 100 years: +45 %: 180 mins: Summer	27.850	27.250	27.283	0.033	3.1	0.007	0.000	3.1	9.180	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.850	27.250	27.279	0.029	2.1	0.006	0.000	2.1	9.184	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.850	27.250	27.280	0.030	2.5	0.006	0.000	2.5	9.782	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.850	27.250	27.276	0.026	1.7	0.005	0.000	1.7	9.787	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.850	27.250	27.278	0.028	1.9	0.006	0.000	1.9	10.750	OK
FEH: 100 years: +45 %: 360 mins: Winter	27.850	27.250	27.273	0.023	1.3	0.005	0.000	1.2	10.751	OK
FEH: 100 years: +45 %: 480 mins: Summer	27.850	27.250	27.275	0.025	1.6	0.005	0.000	1.6	11.520	OK
FEH: 100 years: +45 %: 480 mins: Winter	27.850	27.250	27.271	0.021	1.0	0.004	0.000	1.0	11.508	OK
FEH: 100 years: +45 %: 600 mins: Summer	27.850	27.250	27.273	0.023	1.3	0.005	0.000	1.3	12.146	OK
FEH: 100 years: +45 %: 600 mins: Winter	27.850	27.250	27.269	0.019	0.9	0.004	0.000	0.8	12.156	OK

FEH: 100 years: +45 %: 720 mins: Summer	27.850	27.250	27.286	0.036	1.1	0.007	0.000	1.1	12.783	OK
FEH: 100 years: +45 %: 720 mins: Winter	27.850	27.250	27.287	0.037	0.7	0.008	0.000	0.7	12.720	OK
FEH: 100 years: +45 %: 960 mins: Summer	27.850	27.250	27.330	0.080	0.9	0.016	0.000	0.9	13.747	OK
FEH: 100 years: +45 %: 960 mins: Winter	27.850	27.250	27.333	0.083	0.6	0.017	0.000	0.6	13.739	OK
FEH: 100 years: +45 %: 1440 mins: Summer	27.850	27.250	27.382	0.132	0.7	0.027	0.000	0.7	15.294	OK
FEH: 100 years: +45 %: 1440 mins: Winter	27.850	27.250	27.388	0.138	0.4	0.028	0.000	0.5	15.270	OK
FEH: 100 years: +45 %: 2160 mins: Summer	27.850	27.250	27.407	0.157	0.5	0.032	0.000	0.5	16.948	OK
FEH: 100 years: +45 %: 2160 mins: Winter	27.850	27.250	27.418	0.168	0.3	0.034	0.000	0.3	16.995	OK
FEH: 100 years: +45 %: 2880 mins: Summer	27.850	27.250	27.410	0.160	0.4	0.032	0.000	0.4	18.295	OK
FEH: 100 years: +45 %: 2880 mins: Winter	27.850	27.250	27.422	0.172	0.3	0.035	0.000	0.3	18.422	OK

FEH: 100 years: +45 %: 4320 mins: Summer	27.850	27.250	27.404	0.154	0.3	0.031	0.000	0.3	20.647	OK
FEH: 100 years: +45 %: 4320 mins: Winter	27.850	27.250	27.404	0.154	0.2	0.031	0.000	0.2	20.640	OK
FEH: 100 years: +45 %: 5760 mins: Summer	27.850	27.250	27.393	0.143	0.3	0.029	0.000	0.3	22.064	OK
FEH: 100 years: +45 %: 5760 mins: Winter	27.850	27.250	27.383	0.133	0.2	0.027	0.000	0.2	22.289	OK
FEH: 100 years: +45 %: 7200 mins: Summer	27.850	27.250	27.382	0.132	0.2	0.027	0.000	0.2	23.850	OK
FEH: 100 years: +45 %: 7200 mins: Winter	27.850	27.250	27.359	0.109	0.1	0.022	0.000	0.1	23.518	OK
FEH: 100 years: +45 %: 8640 mins: Summer	27.850	27.250	27.373	0.123	0.2	0.025	0.000	0.2	25.534	OK
FEH: 100 years: +45 %: 8640 mins: Winter	27.850	27.250	27.333	0.083	0.1	0.017	0.000	0.1	25.100	OK
FEH: 100 years: +45 %: 10080 mins: Summer	27.850	27.250	27.366	0.116	0.2	0.023	0.000	0.2	26.990	OK

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

FEH: 100 years: +45 %: 10080 mins: Winter	27.850	27.250	27.309	0.059	0.1	0.012	0.000	0.1	26.976	OK

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.946	OK
FEH: 100 years: +45 %: 15 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.970	OK
FEH: 100 years: +45 %: 30 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.322	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.357	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	12.116	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	12.185	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	24.788	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	24.925	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	38.425	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	38.592	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	52.475	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	52.634	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	81.203	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	81.307	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	110.585	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	110.601	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	140.337	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	140.263	OK

FEH: 100 years: +45 %: 720 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	170.249	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	170.054	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	230.258	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	229.884	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	349.318	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	348.671	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	521.309	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.200	26.201	26.238	0.038	2.4	0.000	0.000	2.4	520.303	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	685.680	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.200	26.201	26.238	0.038	2.4	0.000	0.000	2.4	684.658	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	1034.188	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	1033.855	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1288.409	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1289.903	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1396.725	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1397.369	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1485.630	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1484.382	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1570.270	OK

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	1570.459	OK

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S03-5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.711	26.695	27.388	0.693	214.0	3.969	0.000	205.8	136.323	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.711	26.695	27.360	0.665	205.7	3.806	0.000	199.0	136.318	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.711	26.695	27.260	0.565	177.6	3.233	0.000	173.0	178.876	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.711	26.695	27.247	0.552	172.5	3.160	0.000	169.3	178.914	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.711	26.695	27.235	0.540	165.9	3.094	0.000	165.9	223.896	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.711	26.695	27.171	0.476	145.2	2.725	0.000	145.2	223.640	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.711	26.695	27.111	0.416	123.9	2.384	0.000	123.9	256.684	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.711	26.695	27.003	0.308	89.1	1.766	0.000	89.0	256.458	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.711	26.695	27.062	0.367	95.3	2.100	0.000	95.2	279.462	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.711	26.695	27.062	0.367	65.9	2.100	0.000	65.8	279.363	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.711	26.695	27.106	0.411	78.1	2.351	0.000	78.1	297.616	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.711	26.695	27.106	0.411	53.0	2.351	0.000	53.0	297.438	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.711	26.695	27.171	0.476	59.2	2.724	0.000	59.1	326.666	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.711	26.695	27.171	0.476	39.0	2.727	0.000	39.0	326.321	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.711	26.695	27.219	0.524	48.6	2.998	0.000	48.6	349.910	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.711	26.695	27.220	0.525	31.4	3.003	0.000	31.4	349.656	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.711	26.695	27.256	0.561	41.2	3.211	0.000	41.2	369.520	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.711	26.695	27.257	0.562	26.6	3.219	0.000	26.6	369.555	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.711	26.695	27.286	0.591	35.9	3.382	0.000	35.9	387.295	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.711	26.695	27.287	0.592	23.2	3.392	0.000	23.0	387.066	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.711	26.695	27.330	0.635	28.9	3.635	0.000	28.6	417.584	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.711	26.695	27.333	0.638	18.7	3.653	0.000	18.4	417.462	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.711	26.695	27.381	0.686	21.4	3.930	0.000	21.1	466.161	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.711	26.695	27.388	0.693	13.7	3.966	0.000	13.4	466.180	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.711	26.695	27.407	0.712	15.7	4.079	0.000	15.4	522.544	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.711	26.695	27.418	0.723	10.1	4.142	0.000	9.9	522.526	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.711	26.695	27.410	0.715	12.7	4.093	0.000	12.5	567.812	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.711	26.695	27.422	0.727	8.2	4.163	0.000	8.0	568.003	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.711	26.695	27.404	0.709	9.5	4.058	0.000	9.3	637.650	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.711	26.695	27.403	0.708	6.1	4.057	0.000	6.0	637.324	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.711	26.695	27.393	0.698	7.8	3.994	0.000	7.6	693.049	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.711	26.695	27.383	0.688	5.0	3.939	0.000	4.9	693.614	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.711	26.695	27.382	0.687	6.7	3.934	0.000	6.6	743.284	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.711	26.695	27.359	0.664	4.3	3.801	0.000	4.2	743.411	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.711	26.695	27.373	0.678	5.9	3.882	0.000	5.8	790.435	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.711	26.695	27.333	0.638	3.8	3.652	0.000	3.8	789.222	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.711	26.695	27.366	0.671	5.4	3.840	0.000	5.3	834.363	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.711	26.695	27.309	0.614	3.5	3.515	0.000	3.4	834.842	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S08-5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.888	28.285	28.326	0.041	5.8	0.012	0.000	5.5	2.523	OK
FEH: 100 years: +45 %: 15 mins: Winter	28.888	28.285	28.325	0.040	5.5	0.011	0.000	5.2	2.523	OK
FEH: 100 years: +45 %: 30 mins: Summer	28.888	28.285	28.319	0.034	3.8	0.010	0.000	3.8	3.324	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.888	28.285	28.318	0.033	3.6	0.009	0.000	3.6	3.324	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.888	28.285	28.317	0.032	3.3	0.009	0.000	3.3	4.176	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.888	28.285	28.314	0.029	2.7	0.008	0.000	2.7	4.170	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.888	28.285	28.312	0.027	2.3	0.008	0.000	2.3	4.830	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.888	28.285	28.308	0.023	1.6	0.006	0.000	1.6	4.830	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.888	28.285	28.309	0.024	1.8	0.007	0.000	1.8	5.274	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.888	28.285	28.305	0.020	1.2	0.006	0.000	1.2	5.274	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.888	28.285	28.307	0.022	1.5	0.006	0.000	1.5	5.628	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.888	28.285	28.303	0.018	1.0	0.005	0.000	1.0	5.628	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.888	28.285	28.304	0.019	1.1	0.005	0.000	1.1	6.180	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.888	28.285	28.301	0.016	0.7	0.004	0.000	0.7	6.198	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.888	28.285	28.302	0.017	0.9	0.005	0.000	0.9	6.630	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.888	28.285	28.299	0.014	0.6	0.004	0.000	0.6	6.618	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.888	28.285	28.301	0.016	0.8	0.005	0.000	0.8	6.996	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.888	28.285	28.298	0.013	0.5	0.004	0.000	0.5	7.020	OK

FEH: 100 years: +45 %: 720 mins: Summer	28.888	28.285	28.300	0.015	0.7	0.004	0.000	0.7	7.314	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	7.338	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.888	28.285	28.299	0.014	0.5	0.004	0.000	0.5	7.896	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.888	28.285	28.296	0.011	0.3	0.003	0.000	0.4	7.878	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.888	28.285	28.297	0.012	0.4	0.003	0.000	0.4	8.718	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	8.808	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.888	28.285	28.295	0.010	0.3	0.003	0.000	0.3	9.780	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.888	28.285	28.294	0.009	0.2	0.002	0.000	0.2	9.678	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.888	28.285	28.294	0.009	0.2	0.003	0.000	0.2	10.500	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	10.602	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	12.012	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	11.760	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.888	28.285	28.293	0.008	0.2	0.002	0.000	0.2	12.648	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.002	0.000	0.1	12.990	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.888	28.285	28.292	0.007	0.1	0.002	0.000	0.1	13.488	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	13.476	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	14.310	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.888	28.285	28.290	0.005	0.1	0.001	0.000	0.1	14.304	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.888	28.285	28.291	0.006	0.1	0.002	0.000	0.1	15.246	OK

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.888	28.285	28.289	0.004	0.1	0.001	0.000	0.1	15.228	OK

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S11-5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.558	26.758	27.075	0.317	60.8	0.359	0.000	48.8	28.395	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.558	26.758	27.026	0.268	57.5	0.304	0.000	48.2	28.407	OK
FEH: 100 years: +45 %: 30 mins: Summer	28.558	26.758	26.963	0.205	43.2	0.231	0.000	43.1	37.593	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.558	26.758	26.946	0.188	40.5	0.213	0.000	40.5	37.595	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.558	26.758	26.933	0.175	37.6	0.198	0.000	37.6	46.029	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.558	26.758	26.913	0.155	30.2	0.175	0.000	30.2	46.021	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.558	26.758	27.003	0.245	25.8	0.277	0.000	25.8	52.688	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.558	26.758	27.003	0.245	18.6	0.277	0.000	18.6	52.679	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.558	26.758	27.062	0.304	19.9	0.343	0.000	19.9	57.474	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.558	26.758	27.062	0.304	13.7	0.343	0.000	13.7	57.423	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.558	26.758	27.106	0.348	16.4	0.393	0.000	16.4	61.134	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.558	26.758	27.106	0.348	11.0	0.393	0.000	11.1	61.118	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.558	26.758	27.170	0.412	12.3	0.466	0.000	12.3	67.219	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.558	26.758	27.171	0.413	8.1	0.467	0.000	8.1	67.109	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.558	26.758	27.218	0.460	10.1	0.521	0.000	10.1	72.040	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.558	26.758	27.219	0.461	6.6	0.522	0.000	6.6	71.976	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.558	26.758	27.256	0.498	8.6	0.563	0.000	8.6	76.154	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.558	26.758	27.257	0.499	5.5	0.565	0.000	5.5	76.123	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.558	26.758	27.286	0.528	7.5	0.597	0.000	7.4	79.800	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.558	26.758	27.287	0.529	4.8	0.599	0.000	4.8	79.753	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.558	26.758	27.330	0.572	6.0	0.647	0.000	5.9	86.056	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.558	26.758	27.333	0.575	3.9	0.650	0.000	3.8	86.081	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.558	26.758	27.381	0.623	4.5	0.705	0.000	4.1	96.244	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.558	26.758	27.388	0.630	2.9	0.712	0.000	2.8	96.253	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.558	26.758	27.407	0.649	3.3	0.734	0.000	3.0	107.974	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.558	26.758	27.418	0.660	2.1	0.747	0.000	2.1	107.943	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.558	26.758	27.410	0.652	2.7	0.737	0.000	2.4	117.922	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.558	26.758	27.422	0.664	1.7	0.751	0.000	1.6	118.013	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.558	26.758	27.404	0.646	2.0	0.730	0.000	1.8	132.797	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.558	26.758	27.403	0.645	1.3	0.730	0.000	1.2	132.867	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.558	26.758	27.393	0.635	1.6	0.718	0.000	1.5	144.277	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.558	26.758	27.383	0.625	1.1	0.707	0.000	1.0	144.389	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.558	26.758	27.382	0.624	1.4	0.706	0.000	1.3	154.804	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.558	26.758	27.359	0.601	0.9	0.680	0.000	0.9	154.796	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.558	26.758	27.373	0.615	1.2	0.696	0.000	1.1	164.294	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.558	26.758	27.333	0.575	0.8	0.650	0.000	0.8	164.472	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.558	26.758	27.366	0.608	1.1	0.687	0.000	1.0	173.874	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.558	26.758	27.309	0.551	0.7	0.623	0.000	0.7	173.860	Surcharged

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.754	26.941	27.308	0.367	65.0	0.416	0.000	60.9	27.986	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.754	26.941	27.240	0.299	61.1	0.338	0.000	56.6	28.001	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.754	26.941	27.096	0.155	42.9	0.175	0.000	42.9	36.975	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.754	26.941	27.088	0.147	40.3	0.167	0.000	40.3	36.998	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.754	26.941	27.081	0.140	37.4	0.159	0.000	37.4	46.505	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.754	26.941	27.062	0.121	30.0	0.136	0.000	30.0	46.536	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.754	26.941	27.050	0.109	25.7	0.123	0.000	25.7	53.817	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.754	26.941	27.031	0.090	18.5	0.102	0.000	18.5	53.805	OK

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

FEH: 100 years: +45 %: 180 mins: Summer	28.754	26.941	27.062	0.121	19.8	0.136	0.000	19.8	58.685	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.754	26.941	27.062	0.121	13.6	0.137	0.000	13.7	58.685	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.754	26.941	27.105	0.164	16.3	0.186	0.000	16.4	62.524	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.754	26.941	27.106	0.165	11.0	0.186	0.000	11.0	62.573	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.754	26.941	27.171	0.230	12.3	0.260	0.000	12.3	68.650	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.754	26.941	27.171	0.230	8.1	0.260	0.000	8.1	68.691	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.754	26.941	27.219	0.278	10.1	0.314	0.000	10.1	73.575	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.754	26.941	27.219	0.278	6.5	0.315	0.000	6.5	73.567	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.754	26.941	27.256	0.315	8.5	0.356	0.000	8.5	77.714	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.754	26.941	27.257	0.316	5.5	0.358	0.000	5.5	77.745	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.754	26.941	27.286	0.345	7.4	0.390	0.000	7.4	81.414	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.754	26.941	27.287	0.346	4.8	0.392	0.000	4.8	81.384	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.754	26.941	27.330	0.389	6.0	0.440	0.000	6.0	87.645	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.754	26.941	27.333	0.392	3.9	0.443	0.000	3.9	87.655	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.754	26.941	27.381	0.440	4.4	0.498	0.000	4.5	97.601	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.754	26.941	27.388	0.447	2.9	0.505	0.000	2.9	97.658	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.754	26.941	27.407	0.466	3.3	0.528	0.000	3.3	108.988	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.754	26.941	27.418	0.477	2.1	0.540	0.000	2.1	109.014	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.754	26.941	27.410	0.469	2.7	0.530	0.000	2.7	118.029	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.754	26.941	27.422	0.481	1.7	0.544	0.000	1.7	117.846	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.754	26.941	27.404	0.463	2.0	0.523	0.000	2.0	131.862	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.754	26.941	27.403	0.462	1.3	0.523	0.000	1.3	132.166	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.754	26.941	27.393	0.452	1.6	0.511	0.000	1.6	143.542	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.754	26.941	27.383	0.442	1.0	0.500	0.000	1.0	143.616	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.754	26.941	27.382	0.441	1.4	0.499	0.000	1.4	153.953	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.754	26.941	27.359	0.418	0.9	0.473	0.000	0.9	153.938	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.754	26.941	27.373	0.432	1.2	0.489	0.000	1.2	163.493	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.754	26.941	27.333	0.392	0.8	0.443	0.000	0.8	163.592	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.754	26.941	27.366	0.425	1.1	0.480	0.000	1.1	172.620	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.754	26.941	27.309	0.368	0.7	0.416	0.000	0.7	172.845	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S10-5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.560	26.606	26.954	0.348	48.8	0.394	0.000	45.1	28.009	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.560	26.606	26.933	0.327	48.2	0.370	0.000	45.6	28.013	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.560	26.606	26.879	0.274	43.1	0.309	0.000	43.1	36.203	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.560	26.606	26.861	0.256	40.5	0.289	0.000	40.5	36.202	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.560	26.606	26.912	0.306	37.6	0.347	0.000	37.6	43.424	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.560	26.606	26.912	0.306	30.2	0.346	0.000	30.2	43.416	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.560	26.606	27.003	0.398	25.8	0.450	0.000	25.8	49.664	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.560	26.606	27.003	0.397	18.6	0.449	0.000	18.6	49.643	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	28.560	26.606	27.061	0.456	19.9	0.516	0.000	18.8	54.360	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.560	26.606	27.061	0.456	13.7	0.516	0.000	13.4	54.302	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.560	26.606	27.105	0.500	16.4	0.565	0.000	15.5	57.940	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.560	26.606	27.105	0.500	11.1	0.565	0.000	10.4	57.934	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.560	26.606	27.170	0.565	12.3	0.639	0.000	11.1	63.986	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.560	26.606	27.171	0.565	8.1	0.639	0.000	7.3	63.868	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.560	26.606	27.218	0.613	10.1	0.693	0.000	8.8	68.772	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.560	26.606	27.219	0.614	6.6	0.694	0.000	5.7	68.707	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.560	26.606	27.255	0.650	8.6	0.735	0.000	7.4	72.865	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.560	26.606	27.257	0.651	5.5	0.737	0.000	4.8	72.841	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.560	26.606	27.285	0.680	7.4	0.769	0.000	6.5	76.505	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.560	26.606	27.287	0.681	4.8	0.771	0.000	4.2	76.468	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.560	26.606	27.329	0.724	5.9	0.819	0.000	5.1	82.772	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.560	26.606	27.333	0.727	3.8	0.822	0.000	3.3	82.807	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.560	26.606	27.381	0.775	4.1	0.877	0.000	3.6	93.029	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.560	26.606	27.387	0.782	2.8	0.884	0.000	2.4	93.046	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.560	26.606	27.407	0.801	3.0	0.906	0.000	2.7	104.960	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.560	26.606	27.418	0.812	2.1	0.919	0.000	1.8	104.934	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.560	26.606	27.409	0.804	2.4	0.909	0.000	2.2	115.532	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.560	26.606	27.422	0.816	1.6	0.923	0.000	1.5	115.614	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.560	26.606	27.403	0.798	1.8	0.902	0.000	1.7	132.742	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.560	26.606	27.403	0.797	1.2	0.902	0.000	1.1	132.819	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.560	26.606	27.392	0.787	1.5	0.890	0.000	1.4	144.225	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.560	26.606	27.382	0.777	1.0	0.879	0.000	0.9	144.345	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.560	26.606	27.382	0.776	1.3	0.878	0.000	1.2	154.755	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.560	26.606	27.358	0.753	0.9	0.851	0.000	0.8	154.754	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.560	26.606	27.373	0.767	1.1	0.868	0.000	1.1	164.246	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.560	26.606	27.332	0.727	0.8	0.822	0.000	0.7	164.432	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.560	26.606	27.365	0.760	1.0	0.859	0.000	1.0	173.828	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.560	26.606	27.309	0.703	0.7	0.795	0.000	0.7	173.821	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S09-5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.846	26.558	26.918	0.360	106.1	0.407	0.000	104.5	55.889	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.846	26.558	26.901	0.343	102.1	0.388	0.000	100.1	55.880	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.846	26.558	26.851	0.293	86.0	0.331	0.000	86.0	72.229	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.846	26.558	26.836	0.278	80.8	0.315	0.000	80.8	72.237	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.846	26.558	26.913	0.355	74.9	0.401	0.000	74.9	88.342	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.846	26.558	26.912	0.355	60.3	0.401	0.000	60.3	88.354	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.846	26.558	27.004	0.446	51.5	0.504	0.000	51.5	101.647	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	28.846	26.558	27.003	0.445	37.0	0.504	0.000	37.0	101.624	Surcharged

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

FEH: 100 years: +45 %: 180 mins: Summer	28.846	26.558	27.062	0.504	38.6	0.570	0.000	38.4	111.130	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	28.846	26.558	27.062	0.504	27.0	0.570	0.000	26.9	111.068	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	28.846	26.558	27.106	0.548	31.6	0.620	0.000	31.4	118.527	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	28.846	26.558	27.106	0.548	21.1	0.619	0.000	20.8	118.543	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	28.846	26.558	27.171	0.613	23.3	0.693	0.000	22.7	130.620	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	28.846	26.558	27.171	0.613	15.2	0.694	0.000	14.9	130.528	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	28.846	26.558	27.219	0.661	18.9	0.747	0.000	18.0	140.297	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	28.846	26.558	27.219	0.662	12.2	0.748	0.000	11.6	140.205	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	28.846	26.558	27.256	0.698	16.0	0.789	0.000	15.3	148.503	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	28.846	26.558	27.257	0.699	10.3	0.791	0.000	9.8	148.495	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	28.846	26.558	27.286	0.728	13.9	0.823	0.000	13.3	155.830	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	28.846	26.558	27.287	0.729	9.0	0.825	0.000	8.6	155.750	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	28.846	26.558	27.330	0.772	11.0	0.873	0.000	10.5	168.326	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	28.846	26.558	27.333	0.775	7.2	0.876	0.000	6.9	168.358	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	28.846	26.558	27.381	0.823	8.0	0.931	0.000	7.9	188.582	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	28.846	26.558	27.387	0.830	5.2	0.938	0.000	5.1	188.645	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	28.846	26.558	27.407	0.849	6.0	0.961	0.000	5.9	212.049	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	28.846	26.558	27.418	0.860	3.9	0.973	0.000	3.8	212.039	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	28.846	26.558	27.410	0.852	4.9	0.963	0.000	4.8	232.012	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	28.846	26.558	27.422	0.864	3.2	0.977	0.000	3.1	231.897	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	28.846	26.558	27.404	0.846	3.7	0.956	0.000	3.6	264.605	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	28.846	26.558	27.403	0.845	2.4	0.956	0.000	2.3	264.983	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	28.846	26.558	27.392	0.834	3.0	0.944	0.000	3.0	287.766	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	28.846	26.558	27.383	0.825	1.9	0.933	0.000	1.9	287.956	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	28.846	26.558	27.382	0.824	2.6	0.932	0.000	2.6	308.706	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	28.846	26.558	27.359	0.801	1.7	0.906	0.000	1.6	308.686	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	28.846	26.558	27.373	0.815	2.3	0.922	0.000	2.3	327.736	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	28.846	26.558	27.333	0.775	1.5	0.876	0.000	1.5	328.018	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	28.846	26.558	27.366	0.808	2.1	0.913	0.000	2.1	346.445	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.846	26.558	27.309	0.751	1.4	0.849	0.000	1.3	346.660	Surcharged

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.888	27.792	28.063	0.271	70.9	0.077	0.000	51.2	30.979	OK
FEH: 100 years: +45 %: 15 mins: Winter	28.888	27.792	28.030	0.239	66.6	0.068	0.000	58.1	30.952	OK
FEH: 100 years: +45 %: 30 mins: Summer	28.888	27.792	27.981	0.189	47.0	0.053	0.000	47.0	40.729	OK
FEH: 100 years: +45 %: 30 mins: Winter	28.888	27.792	27.972	0.180	44.1	0.051	0.000	44.1	40.729	OK
FEH: 100 years: +45 %: 60 mins: Summer	28.888	27.792	27.962	0.170	40.9	0.048	0.000	40.9	51.135	OK
FEH: 100 years: +45 %: 60 mins: Winter	28.888	27.792	27.939	0.147	32.9	0.042	0.000	32.9	51.123	OK
FEH: 100 years: +45 %: 120 mins: Summer	28.888	27.792	27.926	0.134	28.1	0.038	0.000	28.1	59.206	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.888	27.792	27.902	0.110	20.2	0.031	0.000	20.2	59.204	OK

FEH: 100 years: +45 %: 180 mins: Summer	28.888	27.792	27.907	0.115	21.7	0.032	0.000	21.7	64.679	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.888	27.792	27.885	0.093	14.9	0.026	0.000	14.9	64.697	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.888	27.792	27.895	0.103	17.9	0.029	0.000	17.9	68.993	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.888	27.792	27.875	0.083	12.0	0.024	0.000	12.0	68.999	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.888	27.792	27.880	0.088	13.4	0.025	0.000	13.4	75.773	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.888	27.792	27.863	0.071	8.8	0.020	0.000	8.8	75.786	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.888	27.792	27.872	0.080	11.0	0.023	0.000	11.0	81.215	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.888	27.792	27.856	0.064	7.1	0.018	0.000	7.1	81.180	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.888	27.792	27.865	0.073	9.3	0.021	0.000	9.3	85.781	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.888	27.792	27.851	0.059	6.0	0.017	0.000	6.0	85.776	OK

FEH: 100 years: +45 %: 720 mins: Summer	28.888	27.792	27.860	0.068	8.1	0.019	0.000	8.1	89.772	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.888	27.792	27.847	0.055	5.3	0.016	0.000	5.3	89.772	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.888	27.792	27.853	0.062	6.6	0.017	0.000	6.6	96.594	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.888	27.792	27.841	0.050	4.3	0.014	0.000	4.2	96.594	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.888	27.792	27.845	0.053	4.9	0.015	0.000	4.9	107.394	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.888	27.792	27.835	0.043	3.2	0.012	0.000	3.2	107.514	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.888	27.792	27.838	0.046	3.6	0.013	0.000	3.6	119.526	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.888	27.792	27.829	0.037	2.3	0.011	0.000	2.3	119.436	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.888	27.792	27.833	0.041	2.9	0.012	0.000	2.9	129.162	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.888	27.792	27.825	0.034	1.9	0.010	0.000	1.9	129.336	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.888	27.792	27.828	0.036	2.2	0.010	0.000	2.2	144.696	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.888	27.792	27.821	0.029	1.4	0.008	0.000	1.4	144.564	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.888	27.792	27.825	0.033	1.8	0.009	0.000	1.8	156.852	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.888	27.792	27.818	0.027	1.2	0.008	0.000	1.1	157.266	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.888	27.792	27.822	0.030	1.5	0.009	0.000	1.5	168.066	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.888	27.792	27.817	0.025	1.0	0.007	0.000	1.0	168.222	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.888	27.792	27.820	0.029	1.4	0.008	0.000	1.4	178.542	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.888	27.792	27.815	0.023	0.9	0.007	0.000	0.9	178.626	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.888	27.792	27.819	0.027	1.2	0.008	0.000	1.2	189.060	OK

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.888	27.792	27.814	0.022	0.8	0.006	0.000	0.8	189.036	OK

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S01- 5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	28.623	26.989	28.123	1.134	98.8	1.282	0.000	90.3	54.038	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.623	26.989	28.077	1.088	89.4	1.231	0.000	90.0	49.608	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.623	26.989	27.920	0.931	61.2	1.053	0.000	62.3	46.938	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.623	26.989	27.899	0.910	54.5	1.029	0.000	55.4	39.099	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.623	26.989	27.879	0.890	48.6	1.007	0.000	49.3	31.987	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.623	26.989	27.850	0.861	11.3	0.973	0.000	10.8	10.873	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.623	26.989	27.624	0.635	8.6	0.718	0.000	10.5	11.153	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.623	26.989	27.283	0.294	4.3	0.332	0.000	5.3	9.247	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.623	26.989	27.343	0.354	4.7	0.400	0.000	7.6	10.132	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.623	26.989	27.165	0.176	2.4	0.199	0.000	3.0	9.152	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.623	26.989	27.218	0.229	3.7	0.259	0.000	5.2	9.832	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.623	26.989	27.218	0.229	1.9	0.259	0.000	2.1	9.344	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.623	26.989	27.298	0.309	2.2	0.349	0.000	2.7	10.351	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.623	26.989	27.298	0.309	1.4	0.350	0.000	1.4	9.992	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.623	26.989	27.357	0.368	1.8	0.416	0.000	1.8	10.937	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.623	26.989	27.358	0.369	1.1	0.418	0.000	1.1	10.627	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.623	26.989	27.403	0.414	1.5	0.469	0.000	1.5	11.363	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.623	26.989	27.406	0.417	1.0	0.471	0.000	1.0	11.170	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.623	26.989	27.442	0.453	1.3	0.512	0.000	1.3	11.794	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.623	26.989	27.444	0.455	0.8	0.515	0.000	0.8	11.778	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.623	26.989	27.499	0.510	1.1	0.577	0.000	1.1	12.951	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.623	26.989	27.503	0.514	0.7	0.581	0.000	0.7	12.873	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.623	26.989	27.567	0.578	0.8	0.654	0.000	0.8	15.016	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.623	26.989	27.574	0.585	0.5	0.661	0.000	0.5	14.975	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.623	26.989	27.604	0.615	0.6	0.696	0.000	0.6	17.964	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.623	26.989	27.617	0.628	0.4	0.711	0.000	0.4	17.906	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.623	26.989	27.607	0.618	0.5	0.699	0.000	0.5	20.652	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.623	26.989	27.624	0.635	0.3	0.718	0.000	0.3	20.635	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.623	26.989	27.594	0.605	0.4	0.685	0.000	0.4	23.145	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.623	26.989	27.600	0.611	0.2	0.691	0.000	0.2	23.246	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.623	26.989	27.579	0.590	0.3	0.667	0.000	0.3	25.160	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.623	26.989	27.574	0.585	0.2	0.661	0.000	0.2	24.835	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.623	26.989	27.561	0.572	0.2	0.647	0.000	0.2	26.548	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.623	26.989	27.543	0.554	0.2	0.627	0.000	0.2	26.892	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.623	26.989	27.545	0.556	0.2	0.629	0.000	0.2	28.113	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.623	26.989	27.513	0.524	0.1	0.593	0.000	0.1	28.097	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.623	26.989	27.532	0.543	0.2	0.614	0.000	0.2	29.899	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	28.623	26.989	27.483	0.494	0.1	0.559	0.000	0.1	29.405	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S03 - 5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	28.792	26.748	28.230	1.482	236.1	1.677	0.000	230.9	152.975	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.792	26.748	28.136	1.388	225.7	1.569	0.000	221.3	152.931	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.792	26.748	27.787	1.039	183.4	1.175	0.000	182.4	202.416	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.792	26.748	27.741	0.993	178.3	1.123	0.000	177.3	202.403	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.792	26.748	27.705	0.957	173.8	1.082	0.000	173.0	253.927	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.792	26.748	27.626	0.878	163.2	0.993	0.000	163.2	253.794	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.792	26.748	27.454	0.706	140.0	0.798	0.000	140.0	291.287	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.792	26.748	27.196	0.448	100.5	0.506	0.000	100.5	291.253	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.792	26.748	27.241	0.493	107.8	0.557	0.000	107.8	317.993	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.792	26.748	27.165	0.417	74.4	0.471	0.000	74.4	317.445	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.792	26.748	27.217	0.469	89.1	0.531	0.000	89.1	339.282	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.792	26.748	27.218	0.470	60.0	0.531	0.000	60.0	338.617	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.792	26.748	27.297	0.549	67.2	0.621	0.000	67.2	373.711	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.792	26.748	27.298	0.550	44.3	0.622	0.000	44.3	373.208	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.792	26.748	27.356	0.608	55.4	0.688	0.000	55.4	401.482	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.792	26.748	27.358	0.610	35.8	0.690	0.000	35.7	401.125	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.792	26.748	27.403	0.655	46.9	0.741	0.000	46.7	424.952	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.792	26.748	27.406	0.658	30.3	0.744	0.000	30.2	424.759	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.792	26.748	27.441	0.693	40.9	0.784	0.000	40.7	445.546	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.792	26.748	27.444	0.696	26.5	0.787	0.000	26.3	445.514	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.792	26.748	27.499	0.751	33.1	0.849	0.000	32.8	481.050	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.792	26.748	27.503	0.755	21.1	0.854	0.000	21.0	480.936	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.792	26.748	27.567	0.819	24.2	0.926	0.000	23.9	536.774	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.792	26.748	27.574	0.826	15.6	0.934	0.000	15.4	536.715	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.792	26.748	27.604	0.856	17.9	0.968	0.000	17.7	598.532	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.792	26.748	27.617	0.869	11.5	0.983	0.000	11.4	598.432	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.792	26.748	27.607	0.859	14.4	0.971	0.000	14.2	647.973	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.792	26.748	27.624	0.876	9.3	0.991	0.000	9.2	647.538	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.792	26.748	27.594	0.846	10.7	0.957	0.000	10.6	723.050	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.792	26.748	27.600	0.852	6.9	0.964	0.000	6.8	723.107	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.792	26.748	27.579	0.831	8.7	0.939	0.000	8.6	781.747	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.792	26.748	27.574	0.826	5.6	0.934	0.000	5.5	781.865	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.792	26.748	27.561	0.813	7.4	0.919	0.000	7.3	833.107	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.792	26.748	27.543	0.795	4.8	0.900	0.000	4.7	833.452	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.792	26.748	27.545	0.797	6.5	0.902	0.000	6.4	880.657	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.792	26.748	27.513	0.765	4.2	0.865	0.000	4.2	881.032	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.792	26.748	27.532	0.784	5.9	0.886	0.000	5.8	925.961	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.792	26.748	27.483	0.735	3.8	0.831	0.000	3.8	925.210	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S02 - 5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	28.622	26.824	28.486	1.662	222.5	1.880	0.000	117.7	127.559	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	28.622	26.824	28.379	1.555	208.8	1.759	0.000	114.5	125.315	Flood Risk
FEH: 200 years: +45 %: 30 mins: Summer	28.622	26.824	27.991	1.167	147.8	1.320	0.000	105.0	156.229	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.622	26.824	27.946	1.122	138.7	1.269	0.000	107.0	152.220	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.622	26.824	27.913	1.089	129.1	1.232	0.000	108.2	181.906	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.622	26.824	27.849	1.025	107.9	1.159	0.000	107.9	171.070	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.622	26.824	27.623	0.799	92.9	0.903	0.000	92.9	195.553	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.622	26.824	27.282	0.458	66.6	0.518	0.000	66.6	193.774	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.622	26.824	27.342	0.518	71.5	0.586	0.000	71.5	211.833	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.622	26.824	27.165	0.341	49.4	0.385	0.000	49.3	210.575	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.622	26.824	27.218	0.394	59.1	0.445	0.000	59.0	225.223	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.622	26.824	27.218	0.394	39.9	0.445	0.000	39.8	224.398	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.622	26.824	27.297	0.473	44.6	0.535	0.000	44.6	247.682	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.622	26.824	27.298	0.474	29.4	0.536	0.000	29.4	247.188	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.622	26.824	27.357	0.533	36.7	0.602	0.000	36.7	266.014	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.622	26.824	27.358	0.534	23.8	0.604	0.000	23.7	265.635	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.622	26.824	27.403	0.579	31.2	0.655	0.000	31.1	281.476	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.622	26.824	27.406	0.582	20.1	0.658	0.000	20.1	281.259	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.622	26.824	27.442	0.618	27.3	0.698	0.000	27.1	295.048	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.622	26.824	27.444	0.620	17.6	0.701	0.000	17.6	295.008	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.622	26.824	27.499	0.675	22.1	0.763	0.000	21.9	318.595	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.622	26.824	27.503	0.679	14.2	0.768	0.000	14.0	318.495	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.622	26.824	27.567	0.743	16.4	0.841	0.000	15.9	355.677	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.622	26.824	27.574	0.750	10.6	0.848	0.000	10.3	355.600	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.622	26.824	27.604	0.780	12.1	0.883	0.000	11.8	396.915	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.622	26.824	27.617	0.793	7.8	0.897	0.000	7.6	396.943	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.622	26.824	27.607	0.783	9.8	0.885	0.000	9.5	430.069	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.622	26.824	27.624	0.800	6.3	0.905	0.000	6.1	430.072	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.622	26.824	27.594	0.770	7.3	0.871	0.000	7.0	479.854	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.622	26.824	27.600	0.776	4.7	0.878	0.000	4.5	479.981	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.622	26.824	27.579	0.755	5.9	0.853	0.000	5.7	518.820	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.622	26.824	27.574	0.750	3.8	0.848	0.000	3.7	518.764	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.622	26.824	27.561	0.737	5.0	0.834	0.000	4.9	552.913	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.622	26.824	27.543	0.719	3.2	0.814	0.000	3.1	553.005	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.622	26.824	27.545	0.721	4.4	0.816	0.000	4.3	584.466	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.622	26.824	27.513	0.689	2.9	0.779	0.000	2.8	584.835	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.622	26.824	27.532	0.708	4.0	0.801	0.000	3.9	614.956	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.622	26.824	27.483	0.659	2.6	0.746	0.000	2.5	614.048	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S04- 5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	28.502	26.251	26.714	0.463	3.2	0.524	0.000	2.3	3.015	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.502	26.251	26.714	0.463	3.1	0.524	0.000	2.3	3.040	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.502	26.251	26.853	0.602	3.0	0.681	0.000	2.3	6.224	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.502	26.251	26.852	0.602	2.9	0.681	0.000	2.3	6.258	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.502	26.251	26.996	0.745	2.9	0.842	0.000	2.3	12.216	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.502	26.251	26.995	0.745	2.8	0.842	0.000	2.3	12.275	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.502	26.251	27.097	0.846	2.7	0.957	0.000	2.3	25.982	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.502	26.251	27.097	0.846	2.6	0.957	0.000	2.3	26.069	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.502	26.251	27.165	0.914	2.6	1.034	0.000	2.3	40.431	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.502	26.251	27.165	0.914	2.5	1.034	0.000	2.3	40.487	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.502	26.251	27.217	0.966	2.5	1.093	0.000	2.3	55.331	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.502	26.251	27.217	0.967	2.4	1.093	0.000	2.3	55.340	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.502	26.251	27.297	1.046	2.4	1.184	0.000	2.3	85.977	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.502	26.251	27.298	1.047	2.4	1.184	0.000	2.3	85.858	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.502	26.251	27.357	1.106	2.4	1.251	0.000	2.3	117.298	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.502	26.251	27.358	1.107	2.4	1.252	0.000	2.3	117.041	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.502	26.251	27.403	1.152	2.4	1.303	0.000	2.4	149.133	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.502	26.251	27.405	1.155	2.4	1.306	0.000	2.4	148.718	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.502	26.251	27.441	1.190	2.4	1.346	0.000	2.4	181.177	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.502	26.251	27.444	1.193	2.4	1.349	0.000	2.4	180.571	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.502	26.251	27.498	1.247	2.5	1.411	0.000	2.5	245.693	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.502	26.251	27.502	1.251	2.5	1.415	0.000	2.5	244.784	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.502	26.251	27.567	1.316	2.5	1.488	0.000	2.5	374.048	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.502	26.251	27.573	1.323	2.5	1.496	0.000	2.5	372.525	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.502	26.251	27.604	1.353	2.5	1.530	0.000	2.5	560.155	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.502	26.251	27.617	1.366	2.6	1.545	0.000	2.6	558.088	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.502	26.251	27.606	1.356	2.5	1.533	0.000	2.5	735.748	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.502	26.251	27.623	1.373	2.6	1.552	0.000	2.6	733.376	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.502	26.251	27.594	1.343	2.5	1.519	0.000	2.5	1073.751	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.502	26.251	27.599	1.349	2.5	1.525	0.000	2.5	1071.456	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.502	26.251	27.578	1.327	2.5	1.501	0.000	2.5	1414.647	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.502	26.251	27.573	1.322	2.5	1.496	0.000	2.5	1413.614	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.502	26.251	27.560	1.310	2.5	1.481	0.000	2.5	1562.953	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.502	26.251	27.543	1.292	2.5	1.461	0.000	2.5	1564.561	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.502	26.251	27.545	1.294	2.5	1.463	0.000	2.5	1656.188	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.502	26.251	27.513	1.262	2.5	1.427	0.000	2.5	1656.809	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.502	26.251	27.531	1.281	2.5	1.448	0.000	2.5	1741.778	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.502	26.251	27.483	1.232	2.4	1.393	0.000	2.4	1740.164	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S12-5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	28.755	27.012	27.528	0.516	73.3	0.584	0.000	66.8	31.652	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.755	27.012	27.426	0.414	68.8	0.468	0.000	62.1	31.675	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.755	27.012	27.196	0.184	48.7	0.208	0.000	48.7	42.141	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.755	27.012	27.180	0.168	45.7	0.190	0.000	45.7	42.164	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.755	27.012	27.171	0.159	42.6	0.180	0.000	42.6	53.140	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.755	27.012	27.148	0.136	34.2	0.154	0.000	34.2	53.120	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.755	27.012	27.134	0.122	29.1	0.138	0.000	29.1	61.231	OK
FEH: 200 years: +45 %: 120 mins: Winter	28.755	27.012	27.112	0.100	21.0	0.113	0.000	21.0	61.227	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.755	27.012	27.164	0.152	22.5	0.172	0.000	22.5	66.843	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.755	27.012	27.165	0.153	15.5	0.173	0.000	15.5	66.810	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.755	27.012	27.217	0.205	18.6	0.232	0.000	18.6	71.347	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.755	27.012	27.218	0.206	12.5	0.233	0.000	12.5	71.311	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.755	27.012	27.297	0.285	14.0	0.323	0.000	14.0	78.572	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.755	27.012	27.298	0.286	9.2	0.324	0.000	9.2	78.580	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.755	27.012	27.357	0.345	11.5	0.390	0.000	11.5	84.401	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.755	27.012	27.358	0.346	7.5	0.392	0.000	7.5	84.423	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.755	27.012	27.403	0.391	9.8	0.443	0.000	9.8	89.344	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.755	27.012	27.406	0.394	6.3	0.445	0.000	6.3	89.387	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	28.755	27.012	27.441	0.429	8.6	0.486	0.000	8.6	93.725	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.755	27.012	27.444	0.432	5.5	0.489	0.000	5.5	93.703	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.755	27.012	27.499	0.487	6.9	0.550	0.000	6.9	101.104	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.755	27.012	27.503	0.491	4.5	0.555	0.000	4.5	101.126	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.755	27.012	27.567	0.555	5.1	0.628	0.000	5.1	112.663	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.755	27.012	27.574	0.562	3.3	0.635	0.000	3.3	112.626	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.755	27.012	27.604	0.592	3.8	0.670	0.000	3.8	125.405	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.755	27.012	27.617	0.605	2.5	0.685	0.000	2.5	125.362	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.755	27.012	27.607	0.595	3.1	0.673	0.000	3.1	135.373	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.755	27.012	27.624	0.612	2.0	0.692	0.000	2.0	135.436	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.755	27.012	27.594	0.582	2.3	0.659	0.000	2.3	150.388	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.755	27.012	27.600	0.588	1.5	0.665	0.000	1.5	150.589	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.755	27.012	27.579	0.567	1.9	0.641	0.000	1.9	162.775	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.755	27.012	27.574	0.562	1.2	0.635	0.000	1.2	162.717	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.755	27.012	27.561	0.549	1.6	0.621	0.000	1.6	173.239	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.755	27.012	27.543	0.531	1.0	0.601	0.000	1.0	173.415	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.755	27.012	27.545	0.533	1.4	0.603	0.000	1.4	183.608	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.755	27.012	27.513	0.501	0.9	0.567	0.000	0.9	183.328	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.755	27.012	27.532	0.520	1.3	0.588	0.000	1.3	192.693	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.755	27.012	27.483	0.471	0.8	0.533	0.000	0.8	192.791	Surcharged

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S06 - 5 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	28.888	27.629	28.084	0.455	147.6	0.129	0.000	143.8	71.518	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.888	27.629	28.023	0.394	133.5	0.112	0.000	129.9	71.507	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.888	27.629	27.886	0.257	109.4	0.073	0.000	109.4	94.772	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.888	27.629	27.871	0.242	102.7	0.068	0.000	102.7	94.766	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.888	27.629	27.857	0.228	95.6	0.064	0.000	95.6	119.440	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.888	27.629	27.823	0.194	76.9	0.055	0.000	76.9	119.434	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.888	27.629	27.803	0.174	65.5	0.049	0.000	65.5	137.951	OK
FEH: 200 years: +45 %: 120 mins: Winter	28.888	27.629	27.770	0.141	47.1	0.040	0.000	47.1	137.950	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.888	27.629	27.777	0.147	50.5	0.042	0.000	50.5	150.850	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.888	27.629	27.747	0.118	34.8	0.033	0.000	34.8	150.833	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.888	27.629	27.760	0.131	41.7	0.037	0.000	41.7	161.105	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.888	27.629	27.734	0.104	28.1	0.030	0.000	28.1	161.141	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.888	27.629	27.740	0.111	31.4	0.032	0.000	31.4	177.647	OK
FEH: 200 years: +45 %: 360 mins: Winter	28.888	27.629	27.717	0.088	20.7	0.025	0.000	20.7	177.641	OK
FEH: 200 years: +45 %: 480 mins: Summer	28.888	27.629	27.729	0.100	25.9	0.028	0.000	25.9	190.829	OK
FEH: 200 years: +45 %: 480 mins: Winter	28.888	27.629	27.708	0.079	16.7	0.022	0.000	16.7	190.847	OK
FEH: 200 years: +45 %: 600 mins: Summer	28.888	27.629	27.720	0.091	22.0	0.026	0.000	22.0	201.953	OK
FEH: 200 years: +45 %: 600 mins: Winter	28.888	27.629	27.701	0.072	14.2	0.020	0.000	14.2	202.025	OK

FEH: 200 years: +45 %: 720 mins: Summer	28.888	27.629	27.714	0.085	19.2	0.024	0.000	19.2	211.799	OK
FEH: 200 years: +45 %: 720 mins: Winter	28.888	27.629	27.696	0.067	12.4	0.019	0.000	12.4	211.763	OK
FEH: 200 years: +45 %: 960 mins: Summer	28.888	27.629	27.705	0.075	15.5	0.021	0.000	15.5	228.324	OK
FEH: 200 years: +45 %: 960 mins: Winter	28.888	27.629	27.689	0.060	10.0	0.017	0.000	10.0	228.365	OK
FEH: 200 years: +45 %: 1440 mins: Summer	28.888	27.629	27.694	0.064	11.5	0.018	0.000	11.5	254.242	OK
FEH: 200 years: +45 %: 1440 mins: Winter	28.888	27.629	27.680	0.051	7.4	0.015	0.000	7.4	254.079	OK
FEH: 200 years: +45 %: 2160 mins: Summer	28.888	27.629	27.684	0.055	8.5	0.016	0.000	8.5	282.417	OK
FEH: 200 years: +45 %: 2160 mins: Winter	28.888	27.629	27.673	0.044	5.5	0.012	0.000	5.5	282.410	OK
FEH: 200 years: +45 %: 2880 mins: Summer	28.888	27.629	27.679	0.049	6.9	0.014	0.000	6.9	304.076	OK
FEH: 200 years: +45 %: 2880 mins: Winter	28.888	27.629	27.669	0.040	4.4	0.011	0.000	4.4	304.083	OK

FEH: 200 years: +45 %: 4320 mins: Summer	28.888	27.629	27.672	0.043	5.1	0.012	0.000	5.1	337.838	OK
FEH: 200 years: +45 %: 4320 mins: Winter	28.888	27.629	27.663	0.034	3.3	0.010	0.000	3.3	338.049	OK
FEH: 200 years: +45 %: 5760 mins: Summer	28.888	27.629	27.667	0.038	4.2	0.011	0.000	4.2	365.829	OK
FEH: 200 years: +45 %: 5760 mins: Winter	28.888	27.629	27.660	0.031	2.7	0.009	0.000	2.7	365.334	OK
FEH: 200 years: +45 %: 7200 mins: Summer	28.888	27.629	27.664	0.035	3.5	0.010	0.000	3.5	388.954	OK
FEH: 200 years: +45 %: 7200 mins: Winter	28.888	27.629	27.658	0.029	2.3	0.008	0.000	2.3	389.952	OK
FEH: 200 years: +45 %: 8640 mins: Summer	28.888	27.629	27.662	0.033	3.1	0.009	0.000	3.1	411.539	OK
FEH: 200 years: +45 %: 8640 mins: Winter	28.888	27.629	27.656	0.027	2.0	0.008	0.000	2.0	411.336	OK
FEH: 200 years: +45 %: 10080 mins: Summer	28.888	27.629	27.661	0.032	2.8	0.009	0.000	2.8	432.798	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.888	27.629	27.655	0.026	1.8	0.007	0.000	1.8	431.711	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S14 - 5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.850	27.250	27.873	0.623	107.4	23.277	23.155	89.6	27.942	Flood
FEH: 200 years: +45 %: 15 mins: Winter	27.850	27.250	27.871	0.621	97.8	21.264	21.143	89.2	25.707	Flood
FEH: 200 years: +45 %: 30 mins: Summer	27.850	27.250	27.868	0.618	51.5	17.608	17.486	61.2	25.253	Flood
FEH: 200 years: +45 %: 30 mins: Winter	27.850	27.250	27.864	0.614	42.3	14.485	14.364	54.5	21.424	Flood
FEH: 200 years: +45 %: 60 mins: Summer	27.850	27.250	27.861	0.611	32.2	10.898	10.776	48.6	18.788	Flood
FEH: 200 years: +45 %: 60 mins: Winter	27.850	27.250	27.850	0.600	5.3	0.381	0.259	6.8	8.476	Flood
FEH: 200 years: +45 %: 120 mins: Summer	27.850	27.250	27.624	0.374	4.5	0.076	0.000	6.8	9.645	Flood Risk
FEH: 200 years: +45 %: 120 mins: Winter	27.850	27.250	27.285	0.035	3.2	0.007	0.000	3.2	9.499	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 180 mins: Summer	27.850	27.250	27.344	0.094	3.5	0.019	0.000	3.4	10.387	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.850	27.250	27.280	0.030	2.4	0.006	0.000	2.4	10.384	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.850	27.250	27.282	0.032	2.9	0.006	0.000	2.9	11.084	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.850	27.250	27.278	0.028	1.9	0.006	0.000	1.9	11.088	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.850	27.250	27.298	0.048	2.2	0.010	0.000	2.2	12.340	OK
FEH: 200 years: +45 %: 360 mins: Winter	27.850	27.250	27.298	0.048	1.4	0.010	0.000	1.4	12.216	OK
FEH: 200 years: +45 %: 480 mins: Summer	27.850	27.250	27.357	0.107	1.8	0.022	0.000	1.8	13.220	OK
FEH: 200 years: +45 %: 480 mins: Winter	27.850	27.250	27.358	0.108	1.1	0.022	0.000	1.1	13.095	OK
FEH: 200 years: +45 %: 600 mins: Summer	27.850	27.250	27.403	0.153	1.5	0.031	0.000	1.5	13.862	OK
FEH: 200 years: +45 %: 600 mins: Winter	27.850	27.250	27.406	0.156	1.0	0.032	0.000	1.0	13.759	OK

FEH: 200 years: +45 %: 720 mins: Summer	27.850	27.250	27.442	0.192	1.3	0.039	0.000	1.3	14.425	OK
FEH: 200 years: +45 %: 720 mins: Winter	27.850	27.250	27.444	0.194	0.9	0.039	0.000	0.8	14.419	OK
FEH: 200 years: +45 %: 960 mins: Summer	27.850	27.250	27.499	0.249	1.1	0.050	0.000	1.1	15.583	OK
FEH: 200 years: +45 %: 960 mins: Winter	27.850	27.250	27.503	0.253	0.7	0.051	0.000	0.7	15.531	OK
FEH: 200 years: +45 %: 1440 mins: Summer	27.850	27.250	27.567	0.317	0.8	0.064	0.000	0.8	17.441	Flood Risk
FEH: 200 years: +45 %: 1440 mins: Winter	27.850	27.250	27.574	0.324	0.5	0.066	0.000	0.5	17.436	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Summer	27.850	27.250	27.604	0.354	0.6	0.072	0.000	0.6	19.445	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Winter	27.850	27.250	27.617	0.367	0.4	0.075	0.000	0.4	19.429	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Summer	27.850	27.250	27.607	0.357	0.5	0.072	0.000	0.5	20.832	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Winter	27.850	27.250	27.624	0.374	0.3	0.076	0.000	0.3	20.848	Flood Risk

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 4320 mins: Summer	27.850	27.250	27.594	0.344	0.3	0.070	0.000	0.4	23.139	Flood Risk
FEH: 200 years: +45 %: 4320 mins: Winter	27.850	27.250	27.600	0.350	0.2	0.071	0.000	0.2	23.245	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Summer	27.850	27.250	27.579	0.329	0.3	0.067	0.000	0.3	25.161	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Winter	27.850	27.250	27.574	0.324	0.2	0.066	0.000	0.2	24.834	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Summer	27.850	27.250	27.561	0.311	0.2	0.063	0.000	0.2	26.547	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Winter	27.850	27.250	27.543	0.293	0.2	0.060	0.000	0.2	26.891	OK
FEH: 200 years: +45 %: 8640 mins: Summer	27.850	27.250	27.545	0.295	0.2	0.060	0.000	0.2	28.112	OK
FEH: 200 years: +45 %: 8640 mins: Winter	27.850	27.250	27.513	0.263	0.1	0.053	0.000	0.1	28.096	OK
FEH: 200 years: +45 %: 10080 mins: Summer	27.850	27.250	27.532	0.282	0.2	0.057	0.000	0.2	29.898	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	27.850	27.250	27.483	0.233	0.1	0.047	0.000	0.1	29.404	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for EX : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.970	OK
FEH: 200 years: +45 %: 15 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	2.996	OK
FEH: 200 years: +45 %: 30 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.181	OK
FEH: 200 years: +45 %: 30 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	6.215	OK
FEH: 200 years: +45 %: 60 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	12.175	OK
FEH: 200 years: +45 %: 60 mins: Winter	28.200	26.201	26.237	0.037	2.3	0.000	0.000	2.3	12.234	OK
FEH: 200 years: +45 %: 120 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	25.939	OK
FEH: 200 years: +45 %: 120 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	26.027	OK

FEH: 200 years: +45 %: 180 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	40.388	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	40.444	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	55.288	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	55.297	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	85.933	OK
FEH: 200 years: +45 %: 360 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	85.813	OK
FEH: 200 years: +45 %: 480 mins: Summer	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	117.253	OK
FEH: 200 years: +45 %: 480 mins: Winter	28.200	26.201	26.238	0.037	2.3	0.000	0.000	2.3	116.997	OK
FEH: 200 years: +45 %: 600 mins: Summer	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	149.089	OK
FEH: 200 years: +45 %: 600 mins: Winter	28.200	26.201	26.238	0.037	2.4	0.000	0.000	2.4	148.673	OK

FEH: 200 years: +45 %: 720 mins: Summer	28.200	26.201	26.239	0.038	2.4	0.000	0.000	2.4	181.133	OK
FEH: 200 years: +45 %: 720 mins: Winter	28.200	26.201	26.239	0.038	2.4	0.000	0.000	2.4	180.526	OK
FEH: 200 years: +45 %: 960 mins: Summer	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	245.648	OK
FEH: 200 years: +45 %: 960 mins: Winter	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	244.739	OK
FEH: 200 years: +45 %: 1440 mins: Summer	28.200	26.201	26.239	0.039	2.5	0.000	0.000	2.5	374.003	OK
FEH: 200 years: +45 %: 1440 mins: Winter	28.200	26.201	26.239	0.039	2.5	0.000	0.000	2.5	372.481	OK
FEH: 200 years: +45 %: 2160 mins: Summer	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	560.111	OK
FEH: 200 years: +45 %: 2160 mins: Winter	28.200	26.201	26.240	0.039	2.6	0.000	0.000	2.6	558.045	OK
FEH: 200 years: +45 %: 2880 mins: Summer	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	735.707	OK
FEH: 200 years: +45 %: 2880 mins: Winter	28.200	26.201	26.240	0.039	2.6	0.000	0.000	2.6	733.335	OK

FEH: 200 years: +45 %: 4320 mins: Summer	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	1073.707	OK
FEH: 200 years: +45 %: 4320 mins: Winter	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	1071.411	OK
FEH: 200 years: +45 %: 5760 mins: Summer	28.200	26.201	26.240	0.039	2.5	0.000	0.000	2.5	1414.610	OK
FEH: 200 years: +45 %: 5760 mins: Winter	28.200	26.201	26.239	0.039	2.5	0.000	0.000	2.5	1413.576	OK
FEH: 200 years: +45 %: 7200 mins: Summer	28.200	26.201	26.239	0.039	2.5	0.000	0.000	2.5	1562.943	OK
FEH: 200 years: +45 %: 7200 mins: Winter	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	1564.551	OK
FEH: 200 years: +45 %: 8640 mins: Summer	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	1656.186	OK
FEH: 200 years: +45 %: 8640 mins: Winter	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	1656.806	OK
FEH: 200 years: +45 %: 10080 mins: Summer	28.200	26.201	26.239	0.038	2.5	0.000	0.000	2.5	1741.776	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: +45 %: 10080 mins: Winter	28.200	26.201	26.239	0.038	2.4	0.000	0.000	2.4	1740.162	OK

Drainage Network Unit 5: Alchemy,Western Plot Network Space Developments	Date: 17/07/2026		
	Designed: AMG	Checked by:	Approved
Report Details: Type: Junctions Summary Storm Phase: UNIT 5	Company Address: ADS Consult 107 Mere Grange Business Park Leaside, St Helens, WA9 5GG		

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S03-5: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	28.711	26.695	27.453	0.758	230.9	4.342	0.000	220.6	152.820	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.711	26.695	27.418	0.723	221.3	4.140	0.000	212.7	152.777	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.711	26.695	27.293	0.598	182.4	3.422	0.000	182.4	201.127	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.711	26.695	27.274	0.579	177.3	3.315	0.000	177.1	201.129	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.711	26.695	27.257	0.562	173.0	3.216	0.000	172.2	251.480	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.711	26.695	27.226	0.531	163.2	3.042	0.000	163.2	251.328	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.711	26.695	27.156	0.461	140.0	2.640	0.000	140.0	288.133	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.711	26.695	27.097	0.402	100.5	2.301	0.000	100.4	288.104	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	28.711	26.695	27.165	0.470	107.8	2.690	0.000	107.8	314.513	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	28.711	26.695	27.165	0.470	74.4	2.691	0.000	74.3	313.993	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	28.711	26.695	27.217	0.522	89.1	2.990	0.000	89.0	335.586	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	28.711	26.695	27.218	0.523	60.0	2.993	0.000	60.0	334.975	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	28.711	26.695	27.297	0.602	67.2	3.450	0.000	67.1	369.712	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	28.711	26.695	27.298	0.603	44.3	3.455	0.000	44.3	369.278	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	28.711	26.695	27.357	0.662	55.4	3.790	0.000	55.4	397.304	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	28.711	26.695	27.358	0.663	35.7	3.798	0.000	35.7	397.022	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	28.711	26.695	27.403	0.708	46.7	4.056	0.000	46.3	420.690	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	28.711	26.695	27.406	0.711	30.2	4.069	0.000	29.8	420.555	Surcharged