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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof S16: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 100 years: +45 %: 15 mins: Summer	0.69	488.6	212.167
FEH: 100 years: +45 %: 15 mins: Winter	0.69	458.6	212.167
FEH: 100 years: +45 %: 30 mins: Summer	0.69	322.6	279.477
FEH: 100 years: +45 %: 30 mins: Winter	0.69	302.8	279.476
FEH: 100 years: +45 %: 60 mins: Summer	0.69	280.7	350.803
FEH: 100 years: +45 %: 60 mins: Winter	0.69	225.7	350.802

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

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

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

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

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

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

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



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

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

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

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

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

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

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 100 years: +45 %: 10080 mins: Summer	0.23	2.9	439.674
FEH: 100 years: +45 %: 10080 mins: Winter	0.23	1.8	439.338

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

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

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

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

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

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

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

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

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Loading Area 1: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.24	191.2	83.037
FEH: 200 years: +45 %: 15 mins: Winter	0.24	179.5	83.040
FEH: 200 years: +45 %: 30 mins: Summer	0.24	127.0	110.053
FEH: 200 years: +45 %: 30 mins: Winter	0.24	119.2	110.059
FEH: 200 years: +45 %: 60 mins: Summer	0.24	111.0	138.703
FEH: 200 years: +45 %: 60 mins: Winter	0.24	89.3	138.709

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

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

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

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

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

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



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Dock Levellers: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.06	45.7	19.863
FEH: 200 years: +45 %: 15 mins: Winter	0.06	42.9	19.857
FEH: 200 years: +45 %: 30 mins: Summer	0.06	30.4	26.322
FEH: 200 years: +45 %: 30 mins: Winter	0.06	28.5	26.322
FEH: 200 years: +45 %: 60 mins: Summer	0.06	26.6	33.174
FEH: 200 years: +45 %: 60 mins: Winter	0.06	21.4	33.180

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.04	34.6	15.012
FEH: 200 years: +45 %: 15 mins: Winter	0.04	32.5	15.015
FEH: 200 years: +45 %: 30 mins: Summer	0.04	23.0	19.902
FEH: 200 years: +45 %: 30 mins: Winter	0.04	21.6	19.902
FEH: 200 years: +45 %: 60 mins: Summer	0.04	20.1	25.080
FEH: 200 years: +45 %: 60 mins: Winter	0.04	16.1	25.080

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

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

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

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

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

FEH: 200 years: +45 %: 10080 mins: Summer	0.04	0.6	90.942
FEH: 200 years: +45 %: 10080 mins: Winter	0.04	0.4	90.864

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

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

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.33	257.9	112.014
FEH: 200 years: +45 %: 15 mins: Winter	0.33	242.1	112.014
FEH: 200 years: +45 %: 30 mins: Summer	0.33	171.4	148.453
FEH: 200 years: +45 %: 30 mins: Winter	0.33	160.8	148.453
FEH: 200 years: +45 %: 60 mins: Summer	0.33	149.7	187.093
FEH: 200 years: +45 %: 60 mins: Winter	0.33	120.4	187.099

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Foot Path North: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.01	9.8	4.236
FEH: 200 years: +45 %: 15 mins: Winter	0.01	9.2	4.236
FEH: 200 years: +45 %: 30 mins: Summer	0.01	6.5	5.610
FEH: 200 years: +45 %: 30 mins: Winter	0.01	6.1	5.616
FEH: 200 years: +45 %: 60 mins: Summer	0.01	5.7	7.074
FEH: 200 years: +45 %: 60 mins: Winter	0.01	4.6	7.074

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

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

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

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

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

FEH: 200 years: +45 %: 10080 mins: Summer	0.01	0.2	25.872
FEH: 200 years: +45 %: 10080 mins: Winter	0.01	0.1	25.872

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



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof to S9: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.04	29.1	12.630
FEH: 200 years: +45 %: 15 mins: Winter	0.04	27.3	12.633
FEH: 200 years: +45 %: 30 mins: Summer	0.04	19.3	16.746
FEH: 200 years: +45 %: 30 mins: Winter	0.04	18.1	16.746
FEH: 200 years: +45 %: 60 mins: Summer	0.04	16.9	21.096
FEH: 200 years: +45 %: 60 mins: Winter	0.04	13.6	21.102

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

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

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

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

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

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

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



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof S16: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
FEH: 200 years: +45 %: 15 mins: Summer	0.69	547.7	237.858
FEH: 200 years: +45 %: 15 mins: Winter	0.69	514.1	237.862
FEH: 200 years: +45 %: 30 mins: Summer	0.69	363.9	315.242
FEH: 200 years: +45 %: 30 mins: Winter	0.69	341.5	315.242
FEH: 200 years: +45 %: 60 mins: Summer	0.69	317.9	397.299
FEH: 200 years: +45 %: 60 mins: Winter	0.69	255.7	397.298

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

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

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

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

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

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

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



FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Unit 4 Roof S15: Rank By: Max. Inflow

Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
FEH: 200 years: +45 %: 15 mins: Summer	0.23	185.6	80.595
FEH: 200 years: +45 %: 15 mins: Winter	0.23	174.2	80.595
FEH: 200 years: +45 %: 30 mins: Summer	0.23	123.3	106.819
FEH: 200 years: +45 %: 30 mins: Winter	0.23	115.7	106.819
FEH: 200 years: +45 %: 60 mins: Summer	0.23	107.7	134.623
FEH: 200 years: +45 %: 60 mins: Winter	0.23	86.6	134.623

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

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

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

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

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

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

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



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

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



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

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



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

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



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

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



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

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



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

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



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

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



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

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



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

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



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

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



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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S12-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.975	25.640	25.748	0.108	41.7	0.122	0.000	38.5	23.469	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.975	25.640	25.745	0.105	39.8	0.119	0.000	37.0	23.466	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.975	25.640	25.739	0.099	34.9	0.112	0.000	34.9	30.273	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.975	25.640	25.736	0.096	32.8	0.108	0.000	32.8	30.267	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.975	25.640	25.731	0.091	30.0	0.103	0.000	30.0	37.586	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.975	25.640	25.721	0.081	24.2	0.091	0.000	24.1	37.580	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.975	25.640	25.719	0.079	23.0	0.090	0.000	22.9	48.497	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.975	25.640	25.705	0.065	16.5	0.074	0.000	16.8	48.504	OK

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

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S04-4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.886	25.701	26.069	0.368	175.5	0.416	0.000	168.4	84.706	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.886	25.701	26.056	0.355	166.0	0.402	0.000	159.6	84.727	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.886	25.701	26.005	0.304	125.5	0.344	0.000	125.5	108.758	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.886	25.701	25.994	0.293	117.8	0.331	0.000	117.8	108.782	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.886	25.701	25.979	0.278	108.0	0.315	0.000	108.0	134.977	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.886	25.701	25.947	0.246	86.8	0.278	0.000	86.8	134.966	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.886	25.701	25.940	0.239	82.7	0.271	0.000	82.7	174.244	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.886	25.701	25.901	0.200	59.5	0.226	0.000	59.5	174.275	OK

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

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S05-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.792	25.689	25.996	0.307	175.4	0.348	0.000	173.1	87.723	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.792	25.689	25.987	0.298	166.2	0.337	0.000	164.1	87.744	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.792	25.689	25.948	0.259	130.0	0.293	0.000	130.0	112.654	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.792	25.689	25.939	0.250	122.1	0.283	0.000	122.1	112.684	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.792	25.689	25.927	0.238	111.9	0.269	0.000	111.9	139.812	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.792	25.689	25.901	0.212	90.0	0.239	0.000	90.0	139.812	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.792	25.689	25.895	0.206	85.7	0.233	0.000	85.6	180.490	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.792	25.689	25.863	0.174	61.6	0.196	0.000	61.6	180.520	OK

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

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S07-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.633	25.344	25.559	0.215	5.3	0.243	0.000	5.2	5.888	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.633	25.344	25.559	0.215	5.3	0.243	0.000	5.2	5.905	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.633	25.344	25.591	0.247	5.6	0.279	0.000	5.3	13.866	Surcharged
FEH: 2 years: +0 %: 30 mins: Winter	27.633	25.344	25.591	0.247	5.6	0.279	0.000	5.3	13.922	Surcharged
FEH: 2 years: +0 %: 60 mins: Summer	27.633	25.344	25.622	0.279	5.6	0.315	0.000	5.4	30.053	Surcharged
FEH: 2 years: +0 %: 60 mins: Winter	27.633	25.344	25.622	0.279	5.5	0.315	0.000	5.4	30.321	Surcharged
FEH: 2 years: +0 %: 120 mins: Summer	27.633	25.344	25.667	0.324	5.6	0.366	0.000	5.5	63.971	Surcharged
FEH: 2 years: +0 %: 120 mins: Winter	27.633	25.344	25.667	0.323	5.6	0.366	0.000	5.5	64.534	Surcharged

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S01-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.945	26.045	26.230	0.185	47.2	0.209	0.000	44.9	20.516	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.945	26.045	26.223	0.178	44.3	0.201	0.000	42.3	20.513	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.945	26.045	26.192	0.147	30.3	0.166	0.000	30.3	26.289	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.945	26.045	26.186	0.141	28.5	0.159	0.000	28.5	26.293	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.945	26.045	26.178	0.133	26.1	0.151	0.000	26.1	32.613	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.945	26.045	26.162	0.117	21.0	0.132	0.000	21.0	32.599	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.945	26.045	26.159	0.114	20.0	0.128	0.000	20.0	42.095	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.945	26.045	26.139	0.094	14.4	0.106	0.000	14.4	42.087	OK

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S02-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.946	25.986	26.194	0.208	64.0	0.235	0.000	57.8	29.040	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.946	25.986	26.187	0.201	60.2	0.227	0.000	54.9	29.061	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.946	25.986	26.158	0.172	43.0	0.194	0.000	43.0	37.286	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.946	25.986	26.151	0.165	40.4	0.187	0.000	40.4	37.304	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.946	25.986	26.142	0.156	37.0	0.177	0.000	37.0	46.291	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.946	25.986	26.124	0.138	29.8	0.156	0.000	29.8	46.273	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.946	25.986	26.120	0.134	28.4	0.151	0.000	28.4	59.756	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.946	25.986	26.097	0.111	20.4	0.126	0.000	20.4	59.757	OK

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S-19 - 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	26.950	26.350	26.419	0.069	11.3	0.025	0.000	10.5	4.863	OK
FEH: 2 years: +0 %: 15 mins: Winter	26.950	26.350	26.417	0.067	10.6	0.024	0.000	9.9	4.901	OK
FEH: 2 years: +0 %: 30 mins: Summer	26.950	26.350	26.406	0.056	7.3	0.020	0.000	7.3	6.282	OK
FEH: 2 years: +0 %: 30 mins: Winter	26.950	26.350	26.405	0.055	6.8	0.020	0.000	6.8	6.288	OK
FEH: 2 years: +0 %: 60 mins: Summer	26.950	26.350	26.402	0.052	6.2	0.019	0.000	6.2	7.800	OK
FEH: 2 years: +0 %: 60 mins: Winter	26.950	26.350	26.397	0.047	5.0	0.017	0.000	5.0	7.800	OK
FEH: 2 years: +0 %: 120 mins: Summer	26.950	26.350	26.396	0.046	4.8	0.016	0.000	4.8	10.062	OK
FEH: 2 years: +0 %: 120 mins: Winter	26.950	26.350	26.389	0.039	3.4	0.014	0.000	3.4	10.067	OK

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.664	25.177	25.213	0.036	5.2	0.000	0.000	5.2	5.842	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.664	25.177	25.213	0.036	5.2	0.000	0.000	5.2	5.859	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.664	25.177	25.214	0.037	5.3	0.000	0.000	5.3	13.820	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.664	25.177	25.214	0.037	5.3	0.000	0.000	5.3	13.876	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.664	25.177	25.214	0.037	5.4	0.000	0.000	5.4	30.006	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.664	25.177	25.214	0.037	5.4	0.000	0.000	5.4	30.274	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.5	0.000	0.000	5.5	63.924	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.5	0.000	0.000	5.5	64.487	OK

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

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

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

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



FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Full Retention oil Interceptor: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.943	25.664	25.880	0.216	173.1	1.237	0.000	169.5	87.698	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.943	25.664	25.874	0.210	164.1	1.201	0.000	160.8	87.717	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.943	25.664	25.848	0.184	130.0	1.055	0.000	130.0	112.676	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.943	25.664	25.842	0.178	122.1	1.019	0.000	122.1	112.706	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.943	25.664	25.834	0.170	111.9	0.972	0.000	111.8	139.850	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.943	25.664	25.814	0.150	90.0	0.861	0.000	90.0	139.849	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.943	25.664	25.811	0.147	85.6	0.841	0.000	85.6	180.531	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.943	25.664	25.786	0.122	61.6	0.701	0.000	61.6	180.559	OK

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

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

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S14-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.975	26.529	26.647	0.119	47.0	0.134	0.000	43.6	20.997	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.975	26.529	26.644	0.115	44.2	0.130	0.000	41.1	20.994	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.975	26.529	26.628	0.099	31.0	0.112	0.000	31.0	26.894	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.975	26.529	26.625	0.096	29.1	0.109	0.000	29.1	26.892	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.975	26.529	26.621	0.092	26.6	0.104	0.000	26.6	33.336	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.975	26.529	26.611	0.082	21.4	0.093	0.000	21.4	33.325	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.975	26.529	26.609	0.080	20.4	0.091	0.000	20.4	43.007	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.975	26.529	26.597	0.068	14.7	0.077	0.000	14.7	43.008	OK

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S03-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.908	25.903	26.147	0.244	122.5	0.276	0.000	111.8	57.119	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.908	25.903	26.137	0.234	115.6	0.264	0.000	106.3	57.143	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.908	25.903	26.098	0.195	84.6	0.220	0.000	84.6	73.330	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.908	25.903	26.089	0.186	79.5	0.210	0.000	79.5	73.354	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.908	25.903	26.078	0.175	72.8	0.198	0.000	72.8	91.018	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.908	25.903	26.057	0.154	58.6	0.174	0.000	58.6	91.006	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.908	25.903	26.053	0.150	55.8	0.170	0.000	55.8	117.486	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.908	25.903	26.029	0.126	40.1	0.143	0.000	40.1	117.509	OK

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

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S13-4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.975	25.850	26.004	0.154	43.6	0.174	0.000	35.6	20.800	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.975	25.850	26.000	0.150	41.1	0.170	0.000	34.0	20.794	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.975	25.850	25.990	0.140	31.0	0.158	0.000	31.0	26.805	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.975	25.850	25.985	0.135	29.1	0.153	0.000	29.0	26.805	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.975	25.850	25.979	0.129	26.6	0.146	0.000	26.6	33.282	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.975	25.850	25.966	0.115	21.4	0.130	0.000	21.4	33.275	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.975	25.850	25.963	0.113	20.4	0.127	0.000	20.4	42.993	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.975	25.850	25.946	0.095	14.7	0.108	0.000	14.7	43.000	OK

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

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S15-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	27.970	26.937	27.056	0.119	45.8	0.134	0.000	44.6	19.903	OK
FEH: 2 years: +0 %: 15 mins: Winter	27.970	26.937	27.052	0.115	43.0	0.130	0.000	41.9	19.903	OK
FEH: 2 years: +0 %: 30 mins: Summer	27.970	26.937	27.031	0.094	29.4	0.106	0.000	29.4	25.508	OK
FEH: 2 years: +0 %: 30 mins: Winter	27.970	26.937	27.027	0.090	27.6	0.102	0.000	27.6	25.507	OK
FEH: 2 years: +0 %: 60 mins: Summer	27.970	26.937	27.023	0.086	25.3	0.098	0.000	25.3	31.636	OK
FEH: 2 years: +0 %: 60 mins: Winter	27.970	26.937	27.014	0.077	20.4	0.087	0.000	20.4	31.641	OK
FEH: 2 years: +0 %: 120 mins: Summer	27.970	26.937	27.012	0.075	19.4	0.085	0.000	19.4	40.844	OK
FEH: 2 years: +0 %: 120 mins: Winter	27.970	26.937	27.001	0.064	13.9	0.072	0.000	14.0	40.854	OK

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

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

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

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for S16-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 2 years: +0 %: 15 mins: Summer	28.087	26.287	26.542	0.255	135.1	0.288	0.000	133.5	58.677	OK
FEH: 2 years: +0 %: 15 mins: Winter	28.087	26.287	26.531	0.244	126.8	0.276	0.000	125.4	58.680	OK
FEH: 2 years: +0 %: 30 mins: Summer	28.087	26.287	26.480	0.193	86.9	0.218	0.000	86.9	75.246	OK
FEH: 2 years: +0 %: 30 mins: Winter	28.087	26.287	26.472	0.185	81.5	0.210	0.000	81.5	75.246	OK
FEH: 2 years: +0 %: 60 mins: Summer	28.087	26.287	26.463	0.176	74.7	0.199	0.000	74.7	93.354	OK
FEH: 2 years: +0 %: 60 mins: Winter	28.087	26.287	26.442	0.155	60.1	0.175	0.000	60.1	93.354	OK
FEH: 2 years: +0 %: 120 mins: Summer	28.087	26.287	26.437	0.150	57.2	0.170	0.000	57.2	120.546	OK
FEH: 2 years: +0 %: 120 mins: Winter	28.087	26.287	26.412	0.125	41.2	0.141	0.000	41.2	120.534	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S12 -4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.975	25.640	25.801	0.161	87.5	0.182	0.000	82.3	46.836	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.975	25.640	25.796	0.156	83.2	0.177	0.000	78.6	46.833	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.975	25.640	25.793	0.153	71.1	0.173	0.000	70.2	60.588	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.975	25.640	25.788	0.148	66.7	0.167	0.000	65.9	60.586	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.975	25.640	25.816	0.176	61.6	0.199	0.000	61.0	75.203	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.975	25.640	25.816	0.176	49.6	0.199	0.000	50.3	75.213	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.975	25.640	25.871	0.231	42.9	0.261	0.000	43.8	88.223	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.975	25.640	25.871	0.231	30.9	0.261	0.000	31.0	88.235	OK

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S04 - 4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.886	25.701	26.366	0.665	326.5	0.752	0.000	315.6	169.550	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.886	25.701	26.289	0.588	301.2	0.665	0.000	295.3	169.524	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.886	25.701	26.204	0.503	251.7	0.569	0.000	251.5	221.051	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	27.886	25.701	26.178	0.477	236.8	0.539	0.000	236.6	221.063	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	27.886	25.701	26.151	0.450	219.7	0.509	0.000	219.5	276.293	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	27.886	25.701	26.085	0.384	178.0	0.435	0.000	177.8	276.254	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.886	25.701	26.052	0.351	154.2	0.397	0.000	154.1	324.102	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.886	25.701	25.988	0.287	111.1	0.325	0.000	111.0	324.126	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S05 - 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.792	25.689	26.221	0.532	329.6	0.602	0.000	318.5	175.600	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.792	25.689	26.161	0.472	308.4	0.534	0.000	303.6	175.575	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.792	25.689	26.092	0.403	260.6	0.456	0.000	260.4	228.821	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.792	25.689	26.074	0.385	245.2	0.436	0.000	245.0	228.847	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.792	25.689	26.058	0.369	227.5	0.417	0.000	227.3	285.923	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.792	25.689	26.011	0.322	184.2	0.364	0.000	184.1	285.859	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.792	25.689	25.987	0.298	159.6	0.337	0.000	159.5	335.239	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.792	25.689	25.937	0.248	114.9	0.280	0.000	114.9	335.240	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S07 - 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.633	25.344	25.675	0.332	8.1	0.375	0.000	5.6	6.970	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.633	25.344	25.675	0.332	6.9	0.375	0.000	5.6	7.021	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.633	25.344	25.743	0.399	6.0	0.451	0.000	5.6	15.626	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	27.633	25.344	25.743	0.399	5.9	0.451	0.000	5.6	15.724	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	27.633	25.344	25.813	0.469	5.9	0.531	0.000	5.6	33.051	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	27.633	25.344	25.813	0.469	5.9	0.531	0.000	5.6	33.217	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	27.633	25.344	25.868	0.524	5.8	0.593	0.000	5.6	68.122	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	27.633	25.344	25.868	0.524	5.7	0.593	0.000	5.6	68.339	Surcharged

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S01 - 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.945	26.045	26.628	0.583	94.3	0.659	0.000	86.9	40.999	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.945	26.045	26.568	0.523	88.5	0.592	0.000	77.6	40.999	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.945	26.045	26.385	0.340	61.7	0.385	0.000	60.9	53.461	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.945	26.045	26.334	0.289	57.9	0.326	0.000	57.4	53.467	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.945	26.045	26.295	0.250	53.5	0.283	0.000	53.3	66.900	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.945	26.045	26.235	0.190	43.0	0.214	0.000	43.0	66.888	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.945	26.045	26.214	0.169	37.3	0.191	0.000	37.3	78.537	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.945	26.045	26.181	0.136	26.8	0.154	0.000	26.8	78.546	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S02 - 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.946	25.986	26.616	0.630	103.9	0.713	0.000	84.6	58.378	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.946	25.986	26.512	0.526	103.2	0.595	0.000	77.0	58.303	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.946	25.986	26.370	0.384	86.8	0.435	0.000	84.7	75.856	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.946	25.986	26.315	0.329	81.7	0.372	0.000	80.4	75.858	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.946	25.986	26.271	0.285	75.8	0.323	0.000	74.8	94.950	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.946	25.986	26.208	0.222	61.1	0.251	0.000	61.0	94.935	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.946	25.986	26.184	0.198	52.9	0.224	0.000	52.9	111.487	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.946	25.986	26.145	0.159	38.1	0.180	0.000	38.1	111.506	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S-19- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	26.950	26.350	26.566	0.216	34.5	0.078	0.000	5.8	9.947	OK
FEH: 30 years: +0 %: 15 mins: Winter	26.950	26.350	26.463	0.113	21.2	0.041	0.000	9.7	9.880	OK
FEH: 30 years: +0 %: 30 mins: Summer	26.950	26.350	26.428	0.078	14.8	0.028	0.000	14.8	12.717	OK
FEH: 30 years: +0 %: 30 mins: Winter	26.950	26.350	26.426	0.076	13.8	0.028	0.000	13.8	12.722	OK
FEH: 30 years: +0 %: 60 mins: Summer	26.950	26.350	26.424	0.074	12.8	0.027	0.000	12.8	15.948	OK
FEH: 30 years: +0 %: 60 mins: Winter	26.950	26.350	26.417	0.067	10.3	0.024	0.000	10.3	15.973	OK
FEH: 30 years: +0 %: 120 mins: Summer	26.950	26.350	26.412	0.062	8.9	0.022	0.000	8.9	18.780	OK
FEH: 30 years: +0 %: 120 mins: Winter	26.950	26.350	26.403	0.053	6.4	0.019	0.000	6.4	18.774	OK

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

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	6.923	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	6.973	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.578	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.677	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	33.003	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	33.170	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	68.075	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	68.292	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Full Retention oil Interceptor: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.943	25.664	25.973	0.309	318.5	1.769	0.000	311.4	175.581	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.943	25.664	25.964	0.300	303.6	1.719	0.000	297.1	175.555	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.943	25.664	25.947	0.283	260.4	1.619	0.000	259.6	228.261	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.943	25.664	25.937	0.273	245.0	1.561	0.000	244.5	228.280	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.943	25.664	25.930	0.266	227.3	1.526	0.000	226.6	284.743	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.943	25.664	25.900	0.236	184.1	1.349	0.000	183.7	284.658	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.943	25.664	25.887	0.223	159.5	1.275	0.000	159.0	333.581	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.943	25.664	25.871	0.207	114.9	1.185	0.000	114.6	333.591	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S14 -4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.975	26.529	26.708	0.179	94.3	0.202	0.000	88.1	41.913	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.975	26.529	26.701	0.172	88.6	0.195	0.000	83.1	41.916	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.975	26.529	26.673	0.144	63.0	0.163	0.000	63.0	54.660	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.975	26.529	26.668	0.140	59.1	0.158	0.000	59.1	54.655	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.975	26.529	26.662	0.134	54.7	0.151	0.000	54.7	68.369	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.975	26.529	26.648	0.119	44.0	0.135	0.000	44.0	68.369	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.975	26.529	26.639	0.110	38.1	0.125	0.000	38.1	80.264	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.975	26.529	26.622	0.093	27.4	0.105	0.000	27.4	80.269	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S03 -4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.908	25.903	26.585	0.682	214.0	0.771	0.000	199.3	114.443	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	27.908	25.903	26.468	0.565	198.5	0.640	0.000	181.8	114.411	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	27.908	25.903	26.340	0.437	169.3	0.494	0.000	168.5	149.212	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.908	25.903	26.281	0.378	159.8	0.427	0.000	158.7	149.206	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.908	25.903	26.237	0.334	148.2	0.378	0.000	147.5	186.772	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.908	25.903	26.164	0.261	120.1	0.295	0.000	120.0	186.752	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.908	25.903	26.132	0.229	104.0	0.259	0.000	104.0	219.315	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.908	25.903	26.081	0.178	74.9	0.201	0.000	74.9	219.347	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S13 -4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.975	25.850	26.086	0.236	88.1	0.267	0.000	75.1	41.717	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.975	25.850	26.079	0.229	83.1	0.259	0.000	71.6	41.713	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.975	25.850	26.057	0.207	63.0	0.234	0.000	63.0	54.672	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.975	25.850	26.049	0.199	59.1	0.225	0.000	59.1	54.669	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.975	25.850	26.041	0.190	54.7	0.215	0.000	54.6	68.486	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.975	25.850	26.019	0.168	44.0	0.190	0.000	44.0	68.493	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.975	25.850	26.006	0.156	38.1	0.176	0.000	38.0	80.557	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.975	25.850	25.982	0.131	27.4	0.149	0.000	27.4	80.564	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S15 -4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	27.970	26.937	27.115	0.178	91.5	0.201	0.000	89.5	39.770	OK
FEH: 30 years: +0 %: 15 mins: Winter	27.970	26.937	27.108	0.171	85.9	0.193	0.000	84.1	39.768	OK
FEH: 30 years: +0 %: 30 mins: Summer	27.970	26.937	27.075	0.138	59.9	0.156	0.000	59.9	51.882	OK
FEH: 30 years: +0 %: 30 mins: Winter	27.970	26.937	27.070	0.133	56.2	0.151	0.000	56.2	51.883	OK
FEH: 30 years: +0 %: 60 mins: Summer	27.970	26.937	27.065	0.128	51.9	0.144	0.000	51.9	64.917	OK
FEH: 30 years: +0 %: 60 mins: Winter	27.970	26.937	27.050	0.113	41.8	0.128	0.000	41.8	64.921	OK
FEH: 30 years: +0 %: 120 mins: Summer	27.970	26.937	27.041	0.104	36.2	0.118	0.000	36.2	76.229	OK
FEH: 30 years: +0 %: 120 mins: Winter	27.970	26.937	27.025	0.088	26.0	0.099	0.000	26.0	76.232	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for S16 -4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +0 %: 15 mins: Summer	28.087	26.287	26.845	0.558	270.1	0.631	0.000	268.3	117.293	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	28.087	26.287	26.813	0.526	253.5	0.595	0.000	251.9	117.295	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	28.087	26.287	26.599	0.312	176.7	0.353	0.000	176.7	153.055	OK
FEH: 30 years: +0 %: 30 mins: Winter	28.087	26.287	26.583	0.296	165.8	0.335	0.000	165.8	153.046	OK
FEH: 30 years: +0 %: 60 mins: Summer	28.087	26.287	26.566	0.279	153.3	0.316	0.000	153.3	191.556	OK
FEH: 30 years: +0 %: 60 mins: Winter	28.087	26.287	26.527	0.240	123.3	0.272	0.000	123.3	191.562	OK
FEH: 30 years: +0 %: 120 mins: Summer	28.087	26.287	26.506	0.219	106.7	0.248	0.000	106.7	224.922	OK
FEH: 30 years: +0 %: 120 mins: Winter	28.087	26.287	26.466	0.179	76.8	0.202	0.000	76.8	224.922	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S12-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.975	25.640	25.836	0.196	121.8	0.222	0.000	115.5	64.586	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.975	25.640	25.831	0.191	116.2	0.216	0.000	110.5	64.581	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.975	25.640	25.865	0.225	98.5	0.254	0.000	96.3	83.492	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.975	25.640	25.865	0.225	92.5	0.254	0.000	90.6	83.505	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.975	25.640	25.963	0.323	86.5	0.365	0.000	86.8	102.232	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.975	25.640	25.963	0.323	69.6	0.365	0.000	70.2	102.079	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.975	25.640	26.041	0.401	59.9	0.454	0.000	55.7	118.496	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	27.975	25.640	26.041	0.401	43.0	0.454	0.000	41.6	118.478	Surcharged

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S04- 4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.886	25.701	26.772	1.071	434.2	1.212	0.000	431.5	237.053	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.886	25.701	26.725	1.024	418.3	1.158	0.000	416.0	237.090	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.886	25.701	26.551	0.850	357.7	0.962	0.000	357.7	308.730	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.886	25.701	26.494	0.793	335.7	0.897	0.000	335.7	308.705	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.886	25.701	26.428	0.727	310.3	0.822	0.000	310.3	386.824	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.886	25.701	26.207	0.506	245.9	0.572	0.000	245.5	386.368	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	27.886	25.701	26.158	0.457	212.9	0.516	0.000	212.5	452.357	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	27.886	25.701	26.064	0.363	155.3	0.410	0.000	155.2	451.603	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S05- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.792	25.689	26.502	0.813	451.1	0.919	0.000	449.4	245.327	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.792	25.689	26.473	0.784	434.4	0.887	0.000	433.0	245.369	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.792	25.689	26.366	0.677	370.5	0.766	0.000	370.6	319.392	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.792	25.689	26.332	0.643	347.7	0.727	0.000	347.7	319.368	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.792	25.689	26.291	0.602	321.4	0.681	0.000	321.5	399.886	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.792	25.689	26.106	0.417	254.4	0.472	0.000	253.7	399.385	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.792	25.689	26.075	0.386	220.2	0.437	0.000	219.7	467.344	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.792	25.689	26.041	0.352	160.8	0.398	0.000	160.7	466.572	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S07- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.633	25.344	25.767	0.423	6.8	0.478	0.000	5.6	7.314	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.633	25.344	25.767	0.423	7.3	0.478	0.000	5.6	7.381	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.633	25.344	25.862	0.518	6.5	0.585	0.000	5.6	15.987	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.633	25.344	25.861	0.518	6.2	0.585	0.000	5.6	16.084	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.633	25.344	25.960	0.616	6.1	0.697	0.000	5.6	33.160	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.633	25.344	25.960	0.616	6.0	0.697	0.000	5.6	33.232	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	27.633	25.344	26.039	0.695	5.9	0.786	0.000	5.6	66.578	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	27.633	25.344	26.039	0.695	5.8	0.786	0.000	5.6	66.635	Surcharged

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S01- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.945	26.045	27.171	1.126	132.0	1.273	0.000	127.9	57.411	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.945	26.045	27.106	1.061	123.9	1.200	0.000	120.1	57.408	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.945	26.045	26.919	0.874	86.3	0.988	0.000	86.4	74.849	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.945	26.045	26.819	0.774	81.0	0.876	0.000	81.1	74.846	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.945	26.045	26.701	0.656	74.9	0.742	0.000	74.9	93.643	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.945	26.045	26.379	0.334	60.3	0.378	0.000	59.6	93.641	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.945	26.045	26.293	0.248	52.2	0.281	0.000	51.7	109.955	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.945	26.045	26.215	0.170	37.5	0.192	0.000	37.5	109.963	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S02- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.946	25.986	27.111	1.125	158.3	1.273	0.000	165.8	90.166	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.946	25.986	27.055	1.069	158.1	1.210	0.000	164.6	87.751	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.946	25.986	26.894	0.908	122.6	1.027	0.000	122.7	106.378	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.946	25.986	26.797	0.811	115.1	0.917	0.000	115.1	106.279	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.946	25.986	26.683	0.697	106.4	0.789	0.000	106.4	132.989	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.946	25.986	26.364	0.378	84.9	0.428	0.000	83.1	132.947	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.946	25.986	26.270	0.284	73.7	0.322	0.000	72.2	156.472	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.946	25.986	26.185	0.199	53.3	0.225	0.000	53.3	156.274	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S-19- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	26.950	26.350	26.955	0.605	100.6	5.254	5.038	118.1	22.465	Flood
FEH: 30 years: +40 %: 15 mins: Winter	26.950	26.350	26.954	0.604	84.0	3.921	3.705	113.3	19.973	Flood
FEH: 30 years: +40 %: 30 mins: Summer	26.950	26.350	26.906	0.556	20.6	0.200	0.000	20.6	17.951	Flood Risk
FEH: 30 years: +40 %: 30 mins: Winter	26.950	26.350	26.808	0.458	19.4	0.165	0.000	19.4	17.864	Flood Risk
FEH: 30 years: +40 %: 60 mins: Summer	26.950	26.350	26.693	0.343	17.9	0.123	0.000	18.0	22.350	Flood Risk
FEH: 30 years: +40 %: 60 mins: Winter	26.950	26.350	26.426	0.076	14.4	0.028	0.000	14.4	22.361	OK
FEH: 30 years: +40 %: 120 mins: Summer	26.950	26.350	26.422	0.072	12.5	0.026	0.000	12.5	26.267	OK
FEH: 30 years: +40 %: 120 mins: Winter	26.950	26.350	26.413	0.063	9.0	0.023	0.000	9.0	26.292	OK

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

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.267	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.333	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.940	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	16.037	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	33.113	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	33.185	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	66.533	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	66.589	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Full Retention oil Interceptor: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.943	25.664	26.066	0.402	449.4	2.300	0.000	443.4	244.494	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.943	25.664	26.053	0.389	433.0	2.230	0.000	429.5	244.534	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.943	25.664	26.036	0.372	370.6	2.132	0.000	369.3	317.725	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.943	25.664	26.019	0.355	347.7	2.034	0.000	346.7	317.709	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.943	25.664	26.015	0.351	321.5	2.012	0.000	320.3	397.225	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.943	25.664	25.967	0.303	253.7	1.736	0.000	252.7	396.696	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.943	25.664	26.041	0.377	219.7	2.158	0.000	218.7	463.934	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.943	25.664	26.041	0.377	160.7	2.159	0.000	160.6	463.170	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S14-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.975	26.529	26.753	0.224	132.0	0.254	0.000	124.1	58.634	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.975	26.529	26.744	0.215	124.1	0.243	0.000	116.6	58.651	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.975	26.529	26.703	0.175	88.2	0.197	0.000	88.2	76.490	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.975	26.529	26.697	0.168	82.8	0.190	0.000	82.8	76.496	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.975	26.529	26.690	0.161	76.5	0.182	0.000	76.5	95.760	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.975	26.529	26.671	0.143	61.5	0.161	0.000	61.6	95.764	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.975	26.529	26.660	0.132	53.3	0.149	0.000	53.3	112.471	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.975	26.529	26.639	0.111	38.4	0.125	0.000	38.3	112.449	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S03-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.908	25.903	27.089	1.186	260.3	1.342	0.000	256.2	160.246	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	27.908	25.903	27.028	1.125	254.7	1.272	0.000	251.1	160.264	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	27.908	25.903	26.830	0.927	241.2	1.048	0.000	241.2	209.051	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	27.908	25.903	26.740	0.837	226.3	0.947	0.000	226.4	209.012	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	27.908	25.903	26.635	0.732	209.2	0.828	0.000	209.2	261.905	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	27.908	25.903	26.335	0.432	165.8	0.489	0.000	164.6	261.655	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.908	25.903	26.236	0.333	143.8	0.377	0.000	142.6	306.819	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.908	25.903	26.135	0.232	104.8	0.263	0.000	104.7	306.235	OK

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S13-4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.975	25.850	26.152	0.301	124.1	0.341	0.000	104.5	58.543	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.975	25.850	26.140	0.289	116.6	0.327	0.000	100.0	58.544	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.975	25.850	26.111	0.260	88.2	0.295	0.000	87.2	76.591	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.975	25.850	26.099	0.249	82.8	0.281	0.000	81.8	76.599	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.975	25.850	26.088	0.238	76.5	0.269	0.000	76.7	94.149	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.975	25.850	26.054	0.204	61.6	0.231	0.000	61.7	94.067	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.975	25.850	26.041	0.191	53.3	0.216	0.000	53.1	109.093	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.975	25.850	26.041	0.191	38.3	0.216	0.000	38.1	109.076	OK

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

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

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S15-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	27.970	26.937	27.158	0.221	128.1	0.250	0.000	125.3	55.675	OK
FEH: 30 years: +40 %: 15 mins: Winter	27.970	26.937	27.149	0.212	120.3	0.239	0.000	117.8	55.676	OK
FEH: 30 years: +40 %: 30 mins: Summer	27.970	26.937	27.105	0.168	83.8	0.191	0.000	83.8	72.630	OK
FEH: 30 years: +40 %: 30 mins: Winter	27.970	26.937	27.099	0.162	78.7	0.183	0.000	78.7	72.629	OK
FEH: 30 years: +40 %: 60 mins: Summer	27.970	26.937	27.092	0.155	72.7	0.175	0.000	72.7	90.888	OK
FEH: 30 years: +40 %: 60 mins: Winter	27.970	26.937	27.073	0.136	58.5	0.154	0.000	58.5	90.891	OK
FEH: 30 years: +40 %: 120 mins: Summer	27.970	26.937	27.063	0.126	50.6	0.142	0.000	50.6	106.717	OK
FEH: 30 years: +40 %: 120 mins: Winter	27.970	26.937	27.042	0.105	36.4	0.119	0.000	36.4	106.707	OK

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

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

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

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

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

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for S16-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 30 years: +40 %: 15 mins: Summer	28.087	26.287	27.093	0.806	378.1	0.912	0.000	374.9	164.212	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	28.087	26.287	27.031	0.744	354.9	0.841	0.000	352.3	164.216	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	28.087	26.287	26.801	0.514	247.4	0.582	0.000	247.4	214.280	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	28.087	26.287	26.773	0.486	232.1	0.550	0.000	232.1	214.274	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	28.087	26.287	26.697	0.410	214.6	0.463	0.000	214.6	268.177	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	28.087	26.287	26.593	0.306	172.6	0.346	0.000	172.6	268.173	OK
FEH: 30 years: +40 %: 120 mins: Summer	28.087	26.287	26.561	0.274	149.4	0.310	0.000	149.4	314.903	OK
FEH: 30 years: +40 %: 120 mins: Winter	28.087	26.287	26.507	0.220	107.5	0.249	0.000	107.5	314.892	OK

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

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

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

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

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

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

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

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S12-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.975	25.640	25.872	0.232	158.7	0.263	0.000	148.4	82.491	OK
FEH: 100 years: +45 %: 15 mins: Winter	27.975	25.640	25.865	0.225	148.3	0.255	0.000	141.2	82.488	OK
FEH: 100 years: +45 %: 30 mins: Summer	27.975	25.640	25.989	0.349	128.8	0.394	0.000	128.1	106.010	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.975	25.640	25.989	0.349	121.1	0.394	0.000	120.6	105.955	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.975	25.640	26.119	0.479	112.7	0.542	0.000	109.0	130.354	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.975	25.640	26.119	0.479	90.3	0.542	0.000	83.7	130.262	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.975	25.640	26.214	0.574	78.4	0.649	0.000	72.1	150.867	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.975	25.640	26.214	0.574	56.2	0.649	0.000	52.0	150.725	Surcharged

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

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

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

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

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

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S04- 4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.886	25.701	27.087	1.386	511.2	1.568	0.000	505.5	305.811	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.886	25.701	26.991	1.290	490.5	1.459	0.000	485.8	305.415	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.886	25.701	26.705	1.004	408.9	1.135	0.000	411.3	402.995	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.886	25.701	26.666	0.965	396.0	1.091	0.000	396.2	402.924	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.886	25.701	26.632	0.931	378.3	1.053	0.000	375.7	504.425	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.886	25.701	26.470	0.769	326.2	0.869	0.000	326.2	503.488	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.886	25.701	26.354	0.653	278.1	0.738	0.000	278.0	579.230	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.886	25.701	26.213	0.512	199.1	0.580	0.000	198.9	578.124	Surcharged

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

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

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

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

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

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

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

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S05- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.792	25.689	26.722	1.033	530.8	1.169	0.000	526.8	316.252	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.792	25.689	26.653	0.964	509.5	1.090	0.000	506.2	315.852	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.792	25.689	26.461	0.772	427.9	0.873	0.000	429.6	416.585	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.792	25.689	26.438	0.749	411.9	0.847	0.000	412.0	416.506	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.792	25.689	26.427	0.738	390.3	0.835	0.000	389.4	521.033	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.792	25.689	26.317	0.628	337.9	0.711	0.000	337.8	520.083	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.792	25.689	26.245	0.556	288.0	0.629	0.000	288.0	598.484	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.792	25.689	26.214	0.525	206.1	0.593	0.000	205.9	597.379	Surcharged

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

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

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

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

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

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

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S07- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.633	25.344	25.860	0.516	6.7	0.584	0.000	5.6	7.470	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.633	25.344	25.860	0.516	6.3	0.583	0.000	5.6	7.544	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.633	25.344	25.986	0.643	6.6	0.727	0.000	5.6	15.895	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.633	25.344	25.986	0.642	6.5	0.727	0.000	5.6	15.973	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.633	25.344	26.117	0.773	6.2	0.874	0.000	5.6	30.828	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.633	25.344	26.117	0.773	6.1	0.874	0.000	5.6	30.844	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.633	25.344	26.212	0.868	6.0	0.982	0.000	5.6	63.158	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.633	25.344	26.212	0.868	5.9	0.982	0.000	5.6	63.193	Surcharged

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

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

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

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

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

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

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S01- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.945	26.045	27.560	1.515	170.6	1.714	0.000	163.6	74.133	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.945	26.045	27.436	1.391	160.1	1.573	0.000	154.5	74.138	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.945	26.045	27.063	1.018	112.6	1.151	0.000	116.4	97.652	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.945	26.045	27.043	0.998	105.7	1.128	0.000	107.8	97.628	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.945	26.045	27.003	0.958	98.0	1.084	0.000	97.7	122.902	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.945	26.045	26.776	0.731	78.8	0.827	0.000	78.8	122.798	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.945	26.045	26.570	0.525	67.3	0.593	0.000	67.2	141.568	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.945	26.045	26.276	0.231	48.4	0.262	0.000	48.2	141.444	OK

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

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

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

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

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

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

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S02- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.946	25.986	27.468	1.482	194.5	1.676	0.000	160.6	131.917	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.946	25.986	27.355	1.369	183.4	1.549	0.000	158.4	127.637	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.946	25.986	27.017	1.031	155.3	1.166	0.000	160.2	152.823	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.946	25.986	26.998	1.012	154.3	1.145	0.000	157.7	146.707	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.946	25.986	26.965	0.979	118.3	1.107	0.000	143.0	176.375	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.946	25.986	26.755	0.769	111.8	0.870	0.000	111.8	174.612	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.946	25.986	26.555	0.569	95.3	0.643	0.000	95.1	200.133	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.946	25.986	26.252	0.266	68.6	0.301	0.000	67.8	199.588	OK

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

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

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

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

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

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

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

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S -19- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	26.950	26.350	26.980	0.630	173.9	30.722	30.506	104.6	44.572	Flood
FEH: 100 years: +45 %: 15 mins: Winter	26.950	26.350	26.977	0.627	154.9	26.734	26.517	98.1	40.171	Flood
FEH: 100 years: +45 %: 30 mins: Summer	26.950	26.350	26.971	0.621	69.9	21.288	21.072	115.5	37.547	Flood
FEH: 100 years: +45 %: 30 mins: Winter	26.950	26.350	26.965	0.615	48.0	15.534	15.318	107.0	31.351	Flood
FEH: 100 years: +45 %: 60 mins: Summer	26.950	26.350	26.958	0.608	28.8	8.505	8.289	52.1	30.524	Flood
FEH: 100 years: +45 %: 60 mins: Winter	26.950	26.350	26.766	0.416	18.9	0.150	0.000	18.8	29.245	Flood Risk
FEH: 100 years: +45 %: 120 mins: Summer	26.950	26.350	26.563	0.213	16.1	0.077	0.000	16.0	33.829	OK
FEH: 100 years: +45 %: 120 mins: Winter	26.950	26.350	26.419	0.069	11.6	0.025	0.000	11.6	33.815	OK

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

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

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

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

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

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

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

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

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.423	OK
FEH: 100 years: +45 %: 15 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.497	OK
FEH: 100 years: +45 %: 30 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.849	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.927	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.664	25.177	25.215	0.038	5.5	0.000	0.000	5.5	30.785	OK
FEH: 100 years: +45 %: 60 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	30.800	OK
FEH: 100 years: +45 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	63.115	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	63.150	OK

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

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

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

FEH: 100 years: +45 %: 720 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	426.993	OK
FEH: 100 years: +45 %: 720 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	425.126	OK
FEH: 100 years: +45 %: 960 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	575.888	OK
FEH: 100 years: +45 %: 960 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	573.118	OK
FEH: 100 years: +45 %: 1440 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	870.306	OK
FEH: 100 years: +45 %: 1440 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	866.080	OK
FEH: 100 years: +45 %: 2160 mins: Summer	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	1294.087	OK
FEH: 100 years: +45 %: 2160 mins: Winter	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	1288.670	OK
FEH: 100 years: +45 %: 2880 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	1706.126	OK
FEH: 100 years: +45 %: 2880 mins: Winter	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	1699.574	OK

FEH: 100 years: +45 %: 4320 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2573.585	OK
FEH: 100 years: +45 %: 4320 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	2570.280	OK
FEH: 100 years: +45 %: 5760 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3109.727	OK
FEH: 100 years: +45 %: 5760 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3109.760	OK
FEH: 100 years: +45 %: 7200 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3346.042	OK
FEH: 100 years: +45 %: 7200 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3345.480	OK
FEH: 100 years: +45 %: 8640 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3558.096	OK
FEH: 100 years: +45 %: 8640 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3557.431	OK
FEH: 100 years: +45 %: 10080 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3757.288	OK

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

FEH: 100 years: +45 %: 10080 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	3758.461	OK

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Full Retention oil Interceptor: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.943	25.664	26.181	0.517	526.8	2.963	0.000	516.8	314.532	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.943	25.664	26.157	0.493	506.2	2.823	0.000	497.4	314.134	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.943	25.664	26.115	0.451	429.6	2.580	0.000	426.7	413.665	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.943	25.664	26.093	0.429	412.0	2.456	0.000	406.2	413.591	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.943	25.664	26.143	0.479	389.4	2.743	0.000	384.8	516.955	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.943	25.664	26.118	0.454	337.8	2.601	0.000	336.0	516.038	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.943	25.664	26.214	0.550	288.0	3.148	0.000	286.9	593.853	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.943	25.664	26.214	0.550	205.9	3.149	0.000	205.5	592.746	Surcharged

FEH: 100 years: +45 %: 180 mins: Summer	27.943	25.664	26.275	0.611	219.1	3.499	0.000	218.1	645.350	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	27.943	25.664	26.275	0.611	152.2	3.501	0.000	151.2	645.204	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	27.943	25.664	26.321	0.657	181.3	3.762	0.000	179.9	687.916	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	27.943	25.664	26.321	0.657	122.1	3.764	0.000	122.4	687.355	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	27.943	25.664	26.388	0.724	135.7	4.147	0.000	133.6	756.159	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.943	25.664	26.389	0.725	89.8	4.153	0.000	88.8	754.563	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.943	25.664	26.437	0.773	110.3	4.426	0.000	110.0	811.034	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.943	25.664	26.439	0.775	72.1	4.436	0.000	71.3	809.104	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.943	25.664	26.474	0.810	93.8	4.641	0.000	92.7	857.122	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.943	25.664	26.477	0.813	60.3	4.655	0.000	59.7	855.695	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	27.943	25.664	26.504	0.840	80.9	4.812	0.000	79.9	897.554	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.943	25.664	26.508	0.844	52.6	4.830	0.000	52.0	896.698	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.943	25.664	26.548	0.884	65.6	5.064	0.000	64.8	967.444	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.943	25.664	26.553	0.889	42.2	5.090	0.000	41.8	967.265	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.943	25.664	26.597	0.933	48.3	5.340	0.000	47.8	1080.607	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.943	25.664	26.605	0.941	31.1	5.386	0.000	30.8	1080.463	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.943	25.664	26.615	0.951	35.8	5.448	0.000	35.4	1210.954	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.943	25.664	26.630	0.966	23.0	5.529	0.000	22.8	1210.866	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.943	25.664	26.610	0.946	29.0	5.415	0.000	28.7	1317.441	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.943	25.664	26.625	0.961	18.6	5.504	0.000	18.5	1317.265	Surcharged

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

FEH: 100 years: +45 %: 4320 mins: Summer	27.943	25.664	26.591	0.927	21.7	5.311	0.000	21.5	1484.065	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.943	25.664	26.594	0.930	13.9	5.324	0.000	13.8	1484.487	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.943	25.664	26.575	0.911	17.7	5.219	0.000	17.6	1614.438	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.943	25.664	26.564	0.900	11.5	5.155	0.000	11.4	1614.244	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.943	25.664	26.563	0.899	15.3	5.145	0.000	15.1	1731.547	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.943	25.664	26.535	0.871	9.9	4.988	0.000	9.8	1731.531	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.943	25.664	26.552	0.888	13.5	5.085	0.000	13.4	1839.310	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.943	25.664	26.506	0.842	8.7	4.822	0.000	8.7	1839.344	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.943	25.664	26.543	0.879	12.3	5.031	0.000	12.1	1941.987	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	27.943	25.664	26.480	0.816	7.9	4.671	0.000	7.9	1942.778	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S14-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.975	26.529	26.790	0.261	170.6	0.296	0.000	165.0	75.540	OK
FEH: 100 years: +45 %: 15 mins: Winter	27.975	26.529	26.780	0.252	160.4	0.285	0.000	156.2	75.636	OK
FEH: 100 years: +45 %: 30 mins: Summer	27.975	26.529	26.733	0.204	115.1	0.231	0.000	115.1	99.814	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.975	26.529	26.725	0.196	108.0	0.222	0.000	108.0	99.820	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.975	26.529	26.716	0.188	100.1	0.212	0.000	100.1	125.327	OK
FEH: 100 years: +45 %: 60 mins: Winter	27.975	26.529	26.694	0.166	80.5	0.187	0.000	80.5	125.333	OK
FEH: 100 years: +45 %: 120 mins: Summer	27.975	26.529	26.680	0.152	68.7	0.171	0.000	68.8	145.106	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.975	26.529	26.655	0.127	49.5	0.143	0.000	49.5	145.115	OK

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

FEH: 100 years: +45 %: 180 mins: Summer	27.975	26.529	26.660	0.132	53.0	0.149	0.000	53.0	158.529	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.975	26.529	26.637	0.108	36.5	0.122	0.000	36.6	158.505	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.975	26.529	26.647	0.119	43.7	0.134	0.000	43.7	169.041	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.975	26.529	26.625	0.097	29.4	0.109	0.000	29.4	169.037	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.975	26.529	26.631	0.102	32.8	0.116	0.000	32.8	185.628	OK
FEH: 100 years: +45 %: 360 mins: Winter	27.975	26.529	26.611	0.083	21.6	0.094	0.000	21.6	185.625	OK
FEH: 100 years: +45 %: 480 mins: Summer	27.975	26.529	26.621	0.092	26.9	0.105	0.000	27.0	198.854	OK
FEH: 100 years: +45 %: 480 mins: Winter	27.975	26.529	26.603	0.074	17.4	0.084	0.000	17.5	198.775	OK
FEH: 100 years: +45 %: 600 mins: Summer	27.975	26.529	26.613	0.085	22.8	0.096	0.000	22.9	210.023	OK
FEH: 100 years: +45 %: 600 mins: Winter	27.975	26.529	26.597	0.068	14.7	0.077	0.000	14.8	210.013	OK

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

FEH: 100 years: +45 %: 720 mins: Summer	27.975	26.529	26.607	0.079	19.9	0.089	0.000	20.0	219.818	OK
FEH: 100 years: +45 %: 720 mins: Winter	27.975	26.529	26.592	0.063	12.9	0.072	0.000	12.9	219.741	OK
FEH: 100 years: +45 %: 960 mins: Summer	27.975	26.529	26.599	0.070	16.1	0.079	0.000	16.1	236.564	OK
FEH: 100 years: +45 %: 960 mins: Winter	27.975	26.529	26.585	0.056	10.4	0.064	0.000	10.4	236.452	OK
FEH: 100 years: +45 %: 1440 mins: Summer	27.975	26.529	26.596	0.068	11.9	0.077	0.000	11.9	262.947	OK
FEH: 100 years: +45 %: 1440 mins: Winter	27.975	26.529	26.604	0.076	7.7	0.085	0.000	7.7	262.965	OK
FEH: 100 years: +45 %: 2160 mins: Summer	27.975	26.529	26.615	0.086	8.8	0.098	0.000	8.9	292.605	OK
FEH: 100 years: +45 %: 2160 mins: Winter	27.975	26.529	26.629	0.101	5.7	0.114	0.000	5.7	292.625	OK
FEH: 100 years: +45 %: 2880 mins: Summer	27.975	26.529	26.609	0.081	7.2	0.091	0.000	7.2	315.984	OK
FEH: 100 years: +45 %: 2880 mins: Winter	27.975	26.529	26.625	0.096	4.6	0.109	0.000	4.6	316.085	OK

FEH: 100 years: +45 %: 4320 mins: Summer	27.975	26.529	26.591	0.062	5.3	0.071	0.000	5.4	353.458	OK
FEH: 100 years: +45 %: 4320 mins: Winter	27.975	26.529	26.593	0.065	3.4	0.073	0.000	3.5	353.630	OK
FEH: 100 years: +45 %: 5760 mins: Summer	27.975	26.529	26.575	0.046	4.4	0.052	0.000	4.4	384.629	OK
FEH: 100 years: +45 %: 5760 mins: Winter	27.975	26.529	26.564	0.035	2.8	0.040	0.000	2.8	384.626	OK
FEH: 100 years: +45 %: 7200 mins: Summer	27.975	26.529	26.562	0.034	3.7	0.038	0.000	3.7	412.829	OK
FEH: 100 years: +45 %: 7200 mins: Winter	27.975	26.529	26.557	0.028	2.4	0.032	0.000	2.4	412.264	OK
FEH: 100 years: +45 %: 8640 mins: Summer	27.975	26.529	26.561	0.032	3.3	0.036	0.000	3.3	438.538	OK
FEH: 100 years: +45 %: 8640 mins: Winter	27.975	26.529	26.555	0.027	2.1	0.030	0.000	2.1	438.536	OK
FEH: 100 years: +45 %: 10080 mins: Summer	27.975	26.529	26.559	0.031	3.0	0.035	0.000	3.0	462.503	OK

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

FEH: 100 years: +45 %: 10080 mins: Winter	27.975	26.529	26.554	0.025	1.9	0.029	0.000	1.9	462.881	OK

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S03-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.908	25.903	27.460	1.557	288.3	1.761	0.000	281.1	207.321	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.908	25.903	27.348	1.445	280.5	1.634	0.000	274.5	206.917	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.908	25.903	26.998	1.095	252.3	1.238	0.000	257.4	272.802	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	27.908	25.903	26.963	1.060	251.3	1.199	0.000	253.7	272.728	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	27.908	25.903	26.913	1.010	248.5	1.142	0.000	246.3	342.197	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	27.908	25.903	26.702	0.799	219.9	0.904	0.000	219.9	341.401	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	27.908	25.903	26.517	0.614	187.5	0.695	0.000	187.3	391.846	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	27.908	25.903	26.218	0.315	134.3	0.356	0.000	133.7	390.917	OK

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

FEH: 100 years: +45 %: 180 mins: Summer	27.908	25.903	26.275	0.372	143.3	0.421	0.000	142.0	424.698	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.908	25.903	26.275	0.372	99.9	0.420	0.000	99.7	424.593	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.908	25.903	26.321	0.418	119.1	0.472	0.000	118.3	452.189	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.908	25.903	26.321	0.418	80.4	0.473	0.000	80.3	451.686	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.908	25.903	26.388	0.485	89.7	0.549	0.000	89.1	496.524	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.908	25.903	26.389	0.486	59.1	0.550	0.000	59.1	495.020	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.908	25.903	26.437	0.534	73.6	0.604	0.000	72.5	532.255	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.908	25.903	26.439	0.536	47.8	0.606	0.000	47.6	530.262	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.908	25.903	26.475	0.572	62.4	0.647	0.000	61.7	562.007	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.908	25.903	26.477	0.574	40.4	0.649	0.000	39.8	560.568	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	27.908	25.903	26.505	0.602	54.4	0.680	0.000	52.9	588.136	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.908	25.903	26.507	0.604	35.2	0.684	0.000	34.6	587.222	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.908	25.903	26.549	0.646	43.9	0.730	0.000	43.1	633.367	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.908	25.903	26.553	0.650	28.4	0.735	0.000	27.8	633.171	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.908	25.903	26.597	0.694	32.4	0.785	0.000	31.6	707.201	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.908	25.903	26.605	0.702	20.9	0.794	0.000	20.3	707.132	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.908	25.903	26.615	0.712	24.0	0.806	0.000	23.4	792.904	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.908	25.903	26.630	0.727	15.4	0.822	0.000	15.0	792.646	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.908	25.903	26.610	0.707	19.5	0.799	0.000	19.0	862.128	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.908	25.903	26.625	0.722	12.5	0.817	0.000	12.2	861.831	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	27.908	25.903	26.592	0.689	14.6	0.779	0.000	14.3	965.994	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.908	25.903	26.594	0.691	9.4	0.781	0.000	9.1	966.284	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.908	25.903	26.575	0.672	11.9	0.761	0.000	11.7	1050.809	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.908	25.903	26.564	0.661	7.7	0.748	0.000	7.5	1050.861	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.908	25.903	26.563	0.660	10.2	0.746	0.000	10.0	1127.016	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.908	25.903	26.535	0.632	6.6	0.715	0.000	6.5	1127.747	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.908	25.903	26.552	0.649	9.1	0.734	0.000	8.9	1197.101	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.908	25.903	26.506	0.603	5.8	0.682	0.000	5.8	1197.644	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.908	25.903	26.543	0.640	8.2	0.723	0.000	8.1	1264.178	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	27.908	25.903	26.480	0.577	5.3	0.652	0.000	5.2	1264.488	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S13-4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.975	25.850	26.275	0.425	165.0	0.480	0.000	136.4	75.625	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	27.975	25.850	26.238	0.388	156.2	0.439	0.000	127.3	75.647	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	27.975	25.850	26.184	0.334	115.1	0.377	0.000	114.1	97.524	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.975	25.850	26.163	0.313	108.0	0.354	0.000	107.2	97.501	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.975	25.850	26.144	0.293	100.1	0.332	0.000	99.9	119.706	OK
FEH: 100 years: +45 %: 60 mins: Winter	27.975	25.850	26.118	0.268	80.5	0.303	0.000	80.0	119.692	OK
FEH: 100 years: +45 %: 120 mins: Summer	27.975	25.850	26.214	0.364	68.8	0.411	0.000	69.6	137.972	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.975	25.850	26.214	0.364	49.5	0.411	0.000	49.8	137.929	OK

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

FEH: 100 years: +45 %: 180 mins: Summer	27.975	25.850	26.275	0.424	53.0	0.480	0.000	53.2	150.754	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	27.975	25.850	26.276	0.425	36.6	0.481	0.000	36.6	150.750	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	27.975	25.850	26.321	0.470	43.7	0.532	0.000	43.8	160.949	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	27.975	25.850	26.322	0.471	29.4	0.533	0.000	29.5	160.968	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	27.975	25.850	26.388	0.538	32.8	0.608	0.000	31.7	177.175	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	27.975	25.850	26.390	0.539	21.6	0.610	0.000	21.5	177.194	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	27.975	25.850	26.437	0.587	27.0	0.664	0.000	25.3	190.224	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	27.975	25.850	26.439	0.589	17.5	0.666	0.000	17.1	190.167	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	27.975	25.850	26.475	0.625	22.9	0.706	0.000	20.7	201.315	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	27.975	25.850	26.477	0.627	14.8	0.709	0.000	14.3	201.326	Surcharged

FEH: 100 years: +45 %: 720 mins: Summer	27.975	25.850	26.505	0.654	20.0	0.740	0.000	17.6	211.096	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	27.975	25.850	26.508	0.658	12.9	0.744	0.000	12.2	211.038	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	27.975	25.850	26.549	0.699	16.1	0.790	0.000	14.1	227.980	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	27.975	25.850	26.553	0.703	10.4	0.795	0.000	9.6	227.837	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	27.975	25.850	26.597	0.747	11.9	0.844	0.000	10.5	254.787	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	27.975	25.850	26.605	0.755	7.7	0.853	0.000	7.0	254.801	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	27.975	25.850	26.616	0.765	8.9	0.866	0.000	7.9	285.863	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	27.975	25.850	26.630	0.780	5.7	0.882	0.000	5.1	285.833	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	27.975	25.850	26.610	0.760	7.2	0.859	0.000	6.4	312.324	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	27.975	25.850	26.625	0.775	4.6	0.877	0.000	4.2	312.330	Surcharged

FEH: 100 years: +45 %: 4320 mins: Summer	27.975	25.850	26.592	0.741	5.4	0.839	0.000	4.8	353.551	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	27.975	25.850	26.594	0.744	3.5	0.841	0.000	3.2	353.728	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	27.975	25.850	26.576	0.725	4.4	0.820	0.000	3.9	384.700	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	27.975	25.850	26.565	0.714	2.8	0.808	0.000	2.6	384.699	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	27.975	25.850	26.563	0.713	3.7	0.806	0.000	3.4	412.885	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	27.975	25.850	26.536	0.685	2.4	0.775	0.000	2.3	412.318	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	27.975	25.850	26.552	0.702	3.3	0.794	0.000	3.0	438.586	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	27.975	25.850	26.506	0.656	2.1	0.742	0.000	2.0	438.576	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	27.975	25.850	26.543	0.693	3.0	0.783	0.000	2.7	462.546	Surcharged

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

FEH: 100 years: +45 %: 10080 mins: Winter	27.975	25.850	26.480	0.630	1.9	0.712	0.000	1.9	462.914	Surcharged

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

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

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	27.970	26.937	27.204	0.267	165.5	0.301	0.000	161.9	71.920	OK
FEH: 100 years: +45 %: 15 mins: Winter	27.970	26.937	27.191	0.254	155.4	0.287	0.000	152.2	71.930	OK
FEH: 100 years: +45 %: 30 mins: Summer	27.970	26.937	27.136	0.199	109.3	0.225	0.000	109.3	94.725	OK
FEH: 100 years: +45 %: 30 mins: Winter	27.970	26.937	27.128	0.191	102.6	0.216	0.000	102.6	94.724	OK
FEH: 100 years: +45 %: 60 mins: Summer	27.970	26.937	27.119	0.182	95.1	0.206	0.000	95.1	118.886	OK
FEH: 100 years: +45 %: 60 mins: Winter	27.970	26.937	27.096	0.159	76.5	0.180	0.000	76.5	118.883	OK
FEH: 100 years: +45 %: 120 mins: Summer	27.970	26.937	27.082	0.145	65.3	0.164	0.000	65.3	137.665	OK
FEH: 100 years: +45 %: 120 mins: Winter	27.970	26.937	27.058	0.121	47.0	0.136	0.000	47.0	137.667	OK

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

FEH: 100 years: +45 %: 180 mins: Summer	27.970	26.937	27.062	0.125	50.4	0.142	0.000	50.4	150.410	OK
FEH: 100 years: +45 %: 180 mins: Winter	27.970	26.937	27.039	0.102	34.7	0.116	0.000	34.7	150.406	OK
FEH: 100 years: +45 %: 240 mins: Summer	27.970	26.937	27.050	0.113	41.6	0.127	0.000	41.6	160.419	OK
FEH: 100 years: +45 %: 240 mins: Winter	27.970	26.937	27.028	0.091	28.0	0.103	0.000	27.9	160.409	OK
FEH: 100 years: +45 %: 360 mins: Summer	27.970	26.937	27.034	0.097	31.2	0.109	0.000	31.2	176.192	OK
FEH: 100 years: +45 %: 360 mins: Winter	27.970	26.937	27.015	0.078	20.5	0.088	0.000	20.6	176.194	OK
FEH: 100 years: +45 %: 480 mins: Summer	27.970	26.937	27.024	0.087	25.6	0.098	0.000	25.6	188.767	OK
FEH: 100 years: +45 %: 480 mins: Winter	27.970	26.937	27.006	0.069	16.6	0.079	0.000	16.6	188.745	OK
FEH: 100 years: +45 %: 600 mins: Summer	27.970	26.937	27.017	0.080	21.7	0.090	0.000	21.7	199.405	OK
FEH: 100 years: +45 %: 600 mins: Winter	27.970	26.937	27.001	0.064	14.0	0.072	0.000	14.0	199.407	OK

FEH: 100 years: +45 %: 720 mins: Summer	27.970	26.937	27.011	0.074	18.9	0.084	0.000	18.9	208.734	OK
FEH: 100 years: +45 %: 720 mins: Winter	27.970	26.937	26.997	0.060	12.2	0.068	0.000	12.2	208.713	OK
FEH: 100 years: +45 %: 960 mins: Summer	27.970	26.937	27.004	0.067	15.3	0.076	0.000	15.3	224.636	OK
FEH: 100 years: +45 %: 960 mins: Winter	27.970	26.937	26.991	0.054	9.9	0.061	0.000	9.9	224.623	OK
FEH: 100 years: +45 %: 1440 mins: Summer	27.970	26.937	26.995	0.058	11.3	0.065	0.000	11.3	249.729	OK
FEH: 100 years: +45 %: 1440 mins: Winter	27.970	26.937	26.983	0.046	7.3	0.052	0.000	7.3	249.771	OK
FEH: 100 years: +45 %: 2160 mins: Summer	27.970	26.937	26.987	0.050	8.4	0.056	0.000	8.4	277.950	OK
FEH: 100 years: +45 %: 2160 mins: Winter	27.970	26.937	26.977	0.040	5.4	0.045	0.000	5.4	277.993	OK
FEH: 100 years: +45 %: 2880 mins: Summer	27.970	26.937	26.982	0.045	6.8	0.051	0.000	6.8	300.226	OK
FEH: 100 years: +45 %: 2880 mins: Winter	27.970	26.937	26.973	0.036	4.4	0.041	0.000	4.4	300.371	OK

FEH: 100 years: +45 %: 4320 mins: Summer	27.970	26.937	26.976	0.039	5.1	0.044	0.000	5.1	335.822	OK
FEH: 100 years: +45 %: 4320 mins: Winter	27.970	26.937	26.969	0.032	3.3	0.036	0.000	3.3	336.077	OK
FEH: 100 years: +45 %: 5760 mins: Summer	27.970	26.937	26.972	0.035	4.1	0.040	0.000	4.1	365.276	OK
FEH: 100 years: +45 %: 5760 mins: Winter	27.970	26.937	26.966	0.029	2.7	0.032	0.000	2.7	365.565	OK
FEH: 100 years: +45 %: 7200 mins: Summer	27.970	26.937	26.970	0.033	3.5	0.037	0.000	3.5	391.924	OK
FEH: 100 years: +45 %: 7200 mins: Winter	27.970	26.937	26.964	0.027	2.3	0.030	0.000	2.3	391.639	OK
FEH: 100 years: +45 %: 8640 mins: Summer	27.970	26.937	26.968	0.031	3.2	0.035	0.000	3.1	416.277	OK
FEH: 100 years: +45 %: 8640 mins: Winter	27.970	26.937	26.962	0.025	2.0	0.028	0.000	2.0	416.377	OK
FEH: 100 years: +45 %: 10080 mins: Summer	27.970	26.937	26.967	0.030	2.9	0.033	0.000	2.8	439.677	OK

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

FEH: 100 years: +45 %: 10080 mins: Winter	27.970	26.937	26.961	0.024	1.8	0.027	0.000	1.8	439.339	OK

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for S16-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 100 years: +45 %: 15 mins: Summer	28.087	26.287	27.433	1.146	488.6	1.296	0.000	483.6	212.168	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	28.087	26.287	27.337	1.050	458.6	1.187	0.000	454.5	212.168	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	28.087	26.287	26.952	0.665	322.6	0.752	0.000	322.6	279.479	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	28.087	26.287	26.906	0.619	302.8	0.701	0.000	302.8	279.478	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	28.087	26.287	26.866	0.579	280.7	0.655	0.000	280.7	350.805	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	28.087	26.287	26.761	0.474	225.7	0.536	0.000	225.7	350.803	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	28.087	26.287	26.624	0.337	192.8	0.381	0.000	192.8	406.239	OK
FEH: 100 years: +45 %: 120 mins: Winter	28.087	26.287	26.547	0.260	138.7	0.294	0.000	138.7	406.250	OK

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

FEH: 100 years: +45 %: 180 mins: Summer	28.087	26.287	26.560	0.273	148.7	0.309	0.000	148.7	443.808	OK
FEH: 100 years: +45 %: 180 mins: Winter	28.087	26.287	26.500	0.213	102.5	0.241	0.000	102.5	443.811	OK
FEH: 100 years: +45 %: 240 mins: Summer	28.087	26.287	26.527	0.240	122.7	0.271	0.000	122.7	473.420	OK
FEH: 100 years: +45 %: 240 mins: Winter	28.087	26.287	26.474	0.187	82.5	0.211	0.000	82.5	473.368	OK
FEH: 100 years: +45 %: 360 mins: Summer	28.087	26.287	26.487	0.200	92.1	0.226	0.000	92.1	519.905	OK
FEH: 100 years: +45 %: 360 mins: Winter	28.087	26.287	26.442	0.155	60.6	0.176	0.000	60.6	519.857	OK
FEH: 100 years: +45 %: 480 mins: Summer	28.087	26.287	26.464	0.177	75.6	0.200	0.000	75.6	556.950	OK
FEH: 100 years: +45 %: 480 mins: Winter	28.087	26.287	26.439	0.152	48.9	0.172	0.000	48.9	556.958	OK
FEH: 100 years: +45 %: 600 mins: Summer	28.087	26.287	26.475	0.188	64.1	0.212	0.000	64.1	588.315	OK
FEH: 100 years: +45 %: 600 mins: Winter	28.087	26.287	26.477	0.190	41.3	0.215	0.000	41.3	588.298	OK

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

FEH: 100 years: +45 %: 720 mins: Summer	28.087	26.287	26.504	0.217	55.9	0.246	0.000	55.9	615.779	OK
FEH: 100 years: +45 %: 720 mins: Winter	28.087	26.287	26.508	0.221	36.1	0.249	0.000	36.1	615.765	OK
FEH: 100 years: +45 %: 960 mins: Summer	28.087	26.287	26.548	0.261	45.1	0.296	0.000	45.1	662.714	OK
FEH: 100 years: +45 %: 960 mins: Winter	28.087	26.287	26.553	0.266	29.1	0.301	0.000	29.1	662.739	OK
FEH: 100 years: +45 %: 1440 mins: Summer	28.087	26.287	26.597	0.310	33.4	0.350	0.000	33.4	736.944	OK
FEH: 100 years: +45 %: 1440 mins: Winter	28.087	26.287	26.605	0.318	21.6	0.359	0.000	21.6	736.918	OK
FEH: 100 years: +45 %: 2160 mins: Summer	28.087	26.287	26.615	0.328	24.8	0.371	0.000	24.8	820.228	OK
FEH: 100 years: +45 %: 2160 mins: Winter	28.087	26.287	26.630	0.343	16.0	0.388	0.000	16.0	820.198	OK
FEH: 100 years: +45 %: 2880 mins: Summer	28.087	26.287	26.610	0.323	20.1	0.365	0.000	20.1	886.307	OK
FEH: 100 years: +45 %: 2880 mins: Winter	28.087	26.287	26.625	0.338	13.0	0.382	0.000	13.0	886.308	OK

FEH: 100 years: +45 %: 4320 mins: Summer	28.087	26.287	26.591	0.304	15.0	0.344	0.000	15.0	990.992	OK
FEH: 100 years: +45 %: 4320 mins: Winter	28.087	26.287	26.594	0.307	9.7	0.347	0.000	9.7	991.054	OK
FEH: 100 years: +45 %: 5760 mins: Summer	28.087	26.287	26.575	0.288	12.2	0.326	0.000	12.2	1078.098	OK
FEH: 100 years: +45 %: 5760 mins: Winter	28.087	26.287	26.564	0.277	7.9	0.314	0.000	7.9	1078.139	OK
FEH: 100 years: +45 %: 7200 mins: Summer	28.087	26.287	26.563	0.276	10.5	0.312	0.000	10.5	1156.016	OK
FEH: 100 years: +45 %: 7200 mins: Winter	28.087	26.287	26.535	0.248	6.8	0.281	0.000	6.8	1156.177	OK
FEH: 100 years: +45 %: 8640 mins: Summer	28.087	26.287	26.552	0.265	9.3	0.300	0.000	9.3	1228.566	OK
FEH: 100 years: +45 %: 8640 mins: Winter	28.087	26.287	26.506	0.219	6.0	0.248	0.000	6.0	1228.204	OK
FEH: 100 years: +45 %: 10080 mins: Summer	28.087	26.287	26.543	0.256	8.4	0.289	0.000	8.4	1297.420	OK

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

FEH: 100 years: +45 %: 10080 mins: Winter	28.087	26.287	26.480	0.193	5.4	0.218	0.000	5.4	1297.635	OK

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S12-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.975	25.640	25.912	0.272	177.7	0.308	0.000	173.3	92.312	OK
FEH: 200 years: +45 %: 15 mins: Winter	27.975	25.640	25.912	0.272	173.2	0.308	0.000	164.4	92.262	OK
FEH: 200 years: +45 %: 30 mins: Summer	27.975	25.640	26.057	0.417	146.2	0.471	0.000	144.8	118.005	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.975	25.640	26.056	0.416	136.8	0.471	0.000	135.4	118.208	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.975	25.640	26.207	0.567	127.8	0.641	0.000	117.7	147.599	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.975	25.640	26.207	0.567	103.1	0.641	0.000	93.5	147.264	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.975	25.640	26.314	0.674	87.9	0.762	0.000	82.8	170.649	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.975	25.640	26.314	0.674	63.2	0.762	0.000	58.4	170.635	Surcharged

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

FEH: 200 years: +45 %: 180 mins: Summer	27.975	25.640	26.385	0.745	67.6	0.843	0.000	63.7	187.260	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.975	25.640	26.386	0.746	45.9	0.843	0.000	42.7	187.280	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.975	25.640	26.440	0.800	53.4	0.905	0.000	49.6	200.673	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.975	25.640	26.441	0.801	37.0	0.905	0.000	34.7	200.686	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.975	25.640	26.523	0.883	38.2	0.999	0.000	36.7	222.280	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.975	25.640	26.525	0.885	26.0	1.000	0.000	24.1	222.287	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.975	25.640	26.585	0.945	31.1	1.068	0.000	29.9	239.850	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.975	25.640	26.587	0.947	20.9	1.071	0.000	19.5	239.708	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.975	25.640	26.632	0.992	26.3	1.122	0.000	25.5	254.547	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.975	25.640	26.635	0.995	17.2	1.126	0.000	16.5	254.560	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.975	25.640	26.671	1.031	23.0	1.166	0.000	22.4	267.542	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.975	25.640	26.674	1.034	14.9	1.170	0.000	14.7	267.511	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.975	25.640	26.728	1.088	18.9	1.230	0.000	18.6	289.760	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.975	25.640	26.733	1.093	12.2	1.236	0.000	12.0	289.635	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.975	25.640	26.794	1.154	14.3	1.305	0.000	14.1	324.719	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.975	25.640	26.803	1.163	9.3	1.315	0.000	9.2	324.669	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.975	25.640	26.825	1.185	10.9	1.340	0.000	10.8	363.504	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.975	25.640	26.841	1.201	7.0	1.358	0.000	6.9	363.458	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.975	25.640	26.820	1.180	8.8	1.334	0.000	8.7	394.071	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.975	25.640	26.842	1.202	5.7	1.359	0.000	5.6	394.375	Surcharged

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

FEH: 200 years: +45 %: 4320 mins: Summer	27.975	25.640	26.794	1.154	6.5	1.306	0.000	6.5	449.705	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.975	25.640	26.803	1.163	4.2	1.315	0.000	4.2	449.209	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.975	25.640	26.770	1.130	5.3	1.278	0.000	5.3	489.275	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.975	25.640	26.768	1.128	3.4	1.275	0.000	3.4	488.998	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.975	25.640	26.749	1.109	4.5	1.254	0.000	4.5	522.095	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.975	25.640	26.731	1.091	2.9	1.234	0.000	2.9	521.248	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.975	25.640	26.732	1.092	4.0	1.235	0.000	3.9	551.068	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.975	25.640	26.697	1.057	2.5	1.195	0.000	2.5	550.930	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.975	25.640	26.718	1.078	3.6	1.220	0.000	3.5	580.198	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.975	25.640	26.664	1.024	2.3	1.159	0.000	2.2	579.753	Surcharged

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S04- 4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.886	25.701	27.306	1.605	554.7	1.815	0.000	547.5	342.470	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.886	25.701	27.187	1.486	530.0	1.681	0.000	524.0	342.455	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.886	25.701	26.808	1.107	424.2	1.252	0.000	421.7	451.950	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.886	25.701	26.741	1.040	410.6	1.177	0.000	408.9	451.996	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.886	25.701	26.737	1.036	398.3	1.172	0.000	397.0	568.960	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.886	25.701	26.619	0.918	360.4	1.039	0.000	360.2	567.625	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.886	25.701	26.467	0.766	313.4	0.866	0.000	312.9	650.450	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.886	25.701	26.313	0.612	222.2	0.693	0.000	221.7	650.003	Surcharged

FEH: 200 years: +45 %: 180 mins: Summer	27.886	25.701	26.385	0.684	238.6	0.773	0.000	238.1	710.288	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.886	25.701	26.385	0.684	165.6	0.774	0.000	164.6	709.125	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.886	25.701	26.440	0.739	193.7	0.835	0.000	192.4	759.098	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.886	25.701	26.440	0.739	133.9	0.836	0.000	132.7	755.742	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.886	25.701	26.523	0.822	147.1	0.929	0.000	145.8	835.127	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.886	25.701	26.524	0.823	98.1	0.931	0.000	97.2	833.847	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.886	25.701	26.584	0.883	120.3	0.999	0.000	119.0	896.983	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.886	25.701	26.587	0.886	78.9	1.002	0.000	78.1	896.761	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.886	25.701	26.632	0.931	102.8	1.053	0.000	101.8	950.880	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.886	25.701	26.635	0.934	66.7	1.057	0.000	65.9	950.068	Surcharged

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

FEH: 200 years: +45 %: 720 mins: Summer	27.886	25.701	26.670	0.969	89.4	1.096	0.000	88.6	997.495	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.886	25.701	26.674	0.973	57.9	1.101	0.000	57.2	996.913	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.886	25.701	26.728	1.027	72.3	1.161	0.000	71.5	1077.020	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.886	25.701	26.733	1.032	46.5	1.167	0.000	46.0	1076.565	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.886	25.701	26.794	1.093	53.3	1.236	0.000	52.8	1201.789	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.886	25.701	26.803	1.102	34.3	1.246	0.000	34.0	1201.494	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.886	25.701	26.825	1.124	39.4	1.271	0.000	39.0	1340.261	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.886	25.701	26.841	1.140	25.4	1.290	0.000	25.2	1340.035	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.886	25.701	26.820	1.119	31.8	1.265	0.000	31.5	1450.807	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.886	25.701	26.842	1.141	20.5	1.290	0.000	20.4	1450.272	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.886	25.701	26.795	1.094	23.6	1.237	0.000	23.4	1624.314	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.886	25.701	26.803	1.102	15.2	1.246	0.000	15.1	1623.746	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.886	25.701	26.770	1.069	19.2	1.209	0.000	19.0	1757.314	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.886	25.701	26.768	1.067	12.4	1.206	0.000	12.3	1757.844	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.886	25.701	26.749	1.048	16.4	1.186	0.000	16.2	1873.916	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.886	25.701	26.731	1.030	10.6	1.165	0.000	10.5	1872.359	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.886	25.701	26.732	1.031	14.5	1.166	0.000	14.4	1980.155	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.886	25.701	26.697	0.996	9.4	1.127	0.000	9.3	1979.579	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.886	25.701	26.718	1.017	13.1	1.151	0.000	13.0	2081.876	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.886	25.701	26.664	0.963	8.5	1.090	0.000	8.4	2081.627	Surcharged

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S05- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.792	25.689	26.882	1.193	575.9	1.349	0.000	570.8	354.064	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.792	25.689	26.797	1.108	550.7	1.253	0.000	546.4	354.072	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.792	25.689	26.554	0.865	440.5	0.978	0.000	439.1	466.880	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.792	25.689	26.500	0.811	426.7	0.917	0.000	426.2	466.909	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.792	25.689	26.522	0.833	413.4	0.942	0.000	412.6	587.774	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.792	25.689	26.431	0.742	373.4	0.839	0.000	373.4	586.419	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.792	25.689	26.326	0.637	324.2	0.721	0.000	323.6	672.235	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.792	25.689	26.314	0.625	229.9	0.706	0.000	229.5	671.824	Surcharged

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

FEH: 200 years: +45 %: 180 mins: Summer	27.792	25.689	26.385	0.696	246.8	0.787	0.000	246.3	734.230	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.792	25.689	26.385	0.696	170.6	0.787	0.000	170.0	733.097	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.792	25.689	26.440	0.751	199.6	0.849	0.000	198.9	784.791	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.792	25.689	26.441	0.752	137.5	0.850	0.000	136.9	781.451	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.792	25.689	26.523	0.834	151.2	0.943	0.000	150.4	863.610	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.792	25.689	26.524	0.835	100.7	0.945	0.000	100.3	862.314	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.792	25.689	26.584	0.895	123.5	1.013	0.000	123.0	927.502	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.792	25.689	26.587	0.898	80.9	1.015	0.000	80.6	927.330	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.792	25.689	26.632	0.943	105.6	1.066	0.000	105.2	983.464	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.792	25.689	26.635	0.946	68.3	1.070	0.000	68.0	982.657	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.792	25.689	26.670	0.981	91.9	1.110	0.000	91.6	1031.773	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.792	25.689	26.674	0.985	59.4	1.114	0.000	59.1	1031.234	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.792	25.689	26.728	1.039	74.2	1.175	0.000	74.0	1114.204	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.792	25.689	26.733	1.044	47.7	1.181	0.000	47.6	1113.701	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.792	25.689	26.794	1.105	54.8	1.249	0.000	54.7	1243.462	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.792	25.689	26.803	1.114	35.3	1.260	0.000	35.2	1243.211	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.792	25.689	26.825	1.136	40.5	1.284	0.000	40.4	1386.945	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.792	25.689	26.841	1.152	26.1	1.303	0.000	26.1	1386.784	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.792	25.689	26.820	1.131	32.7	1.279	0.000	32.7	1501.529	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.792	25.689	26.842	1.153	21.1	1.304	0.000	21.1	1500.975	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.792	25.689	26.795	1.106	24.2	1.250	0.000	24.2	1681.976	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.792	25.689	26.803	1.114	15.7	1.260	0.000	15.6	1681.441	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.792	25.689	26.770	1.081	19.7	1.222	0.000	19.6	1820.363	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.792	25.689	26.768	1.079	12.7	1.220	0.000	12.7	1820.956	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.792	25.689	26.749	1.060	16.9	1.199	0.000	16.8	1940.988	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.792	25.689	26.731	1.042	10.9	1.178	0.000	10.8	1939.743	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.792	25.689	26.732	1.043	14.9	1.180	0.000	14.9	2051.374	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.792	25.689	26.697	1.008	9.7	1.140	0.000	9.6	2050.478	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.792	25.689	26.718	1.029	13.5	1.164	0.000	13.4	2156.409	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.792	25.689	26.664	0.975	8.7	1.103	0.000	8.7	2156.384	Surcharged

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S07- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.633	25.344	25.909	0.565	6.2	0.639	0.000	5.5	7.508	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.633	25.344	25.909	0.565	6.6	0.639	0.000	5.6	7.586	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.633	25.344	26.054	0.711	6.4	0.804	0.000	5.6	15.560	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.633	25.344	26.054	0.710	6.3	0.803	0.000	5.6	15.626	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.633	25.344	26.205	0.861	6.3	0.974	0.000	5.6	30.931	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.633	25.344	26.205	0.861	6.2	0.974	0.000	5.6	30.927	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.633	25.344	26.312	0.968	6.0	1.095	0.000	5.6	65.730	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.633	25.344	26.312	0.968	5.9	1.095	0.000	5.6	65.656	Surcharged

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

FEH: 200 years: +45 %: 180 mins: Summer	27.633	25.344	26.383	1.039	5.9	1.175	0.000	5.6	102.055	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.633	25.344	26.383	1.039	5.8	1.175	0.000	5.6	101.787	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.633	25.344	26.437	1.094	5.8	1.237	0.000	5.6	139.326	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.633	25.344	26.438	1.094	5.8	1.237	0.000	5.6	138.820	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.633	25.344	26.520	1.176	5.7	1.331	0.000	5.6	215.675	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.633	25.344	26.522	1.178	5.7	1.332	0.000	5.6	214.605	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.633	25.344	26.581	1.238	5.7	1.400	0.000	5.6	293.561	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.633	25.344	26.584	1.240	5.7	1.402	0.000	5.6	291.896	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.633	25.344	26.629	1.285	5.7	1.454	0.000	5.7	372.385	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.633	25.344	26.632	1.288	5.7	1.457	0.000	5.7	370.094	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.633	25.344	26.667	1.323	5.8	1.497	0.000	5.8	451.669	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.633	25.344	26.671	1.327	5.8	1.501	0.000	5.8	448.766	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.633	25.344	26.724	1.380	5.9	1.561	0.000	5.9	610.748	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.633	25.344	26.730	1.386	5.9	1.567	0.000	5.9	606.633	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.633	25.344	26.790	1.446	6.0	1.636	0.000	6.0	926.641	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.633	25.344	26.800	1.456	6.0	1.646	0.000	6.0	920.437	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.633	25.344	26.821	1.477	6.1	1.671	0.000	6.1	1383.204	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.633	25.344	26.838	1.494	6.1	1.689	0.000	6.1	1374.841	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.633	25.344	26.816	1.472	6.1	1.665	0.000	6.1	1812.889	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.633	25.344	26.838	1.494	6.1	1.690	0.000	6.1	1803.611	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.633	25.344	26.791	1.447	6.0	1.637	0.000	6.0	2657.091	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.633	25.344	26.799	1.456	6.0	1.646	0.000	6.0	2646.663	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.633	25.344	26.766	1.423	6.0	1.609	0.000	6.0	3478.601	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.633	25.344	26.764	1.420	6.0	1.606	0.000	6.0	3477.516	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.633	25.344	26.746	1.402	5.9	1.586	0.000	5.9	3748.877	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.633	25.344	26.727	1.384	5.9	1.565	0.000	5.9	3746.424	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.633	25.344	26.729	1.385	5.9	1.566	0.000	5.9	3966.716	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.633	25.344	26.694	1.350	5.8	1.527	0.000	5.8	3965.702	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.633	25.344	26.715	1.371	5.9	1.551	0.000	5.9	4172.524	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.633	25.344	26.661	1.317	5.8	1.490	0.000	5.8	4171.604	Surcharged

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S01- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.945	26.045	27.831	1.786	191.2	2.020	0.000	182.7	83.104	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	27.945	26.045	27.681	1.636	179.5	1.850	0.000	172.3	83.102	Flood Risk
FEH: 200 years: +45 %: 30 mins: Summer	27.945	26.045	27.178	1.133	127.0	1.281	0.000	126.8	110.234	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.945	26.045	27.109	1.064	119.2	1.204	0.000	119.0	110.242	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.945	26.045	27.073	1.028	111.0	1.162	0.000	110.9	138.695	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.945	26.045	26.975	0.930	89.3	1.052	0.000	89.6	138.552	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.945	26.045	26.745	0.700	76.0	0.792	0.000	75.3	159.205	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.945	26.045	26.354	0.309	54.7	0.349	0.000	54.0	159.153	OK

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

FEH: 200 years: +45 %: 180 mins: Summer	27.945	26.045	26.425	0.380	58.7	0.430	0.000	57.9	173.757	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.945	26.045	26.385	0.340	40.4	0.384	0.000	40.4	173.632	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.945	26.045	26.442	0.397	48.5	0.449	0.000	47.5	185.564	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.945	26.045	26.440	0.395	32.6	0.447	0.000	32.6	185.144	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.945	26.045	26.523	0.478	36.5	0.541	0.000	36.2	204.142	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.945	26.045	26.524	0.479	24.1	0.542	0.000	24.0	204.041	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.945	26.045	26.585	0.540	30.1	0.610	0.000	29.8	219.281	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.945	26.045	26.587	0.542	19.4	0.612	0.000	19.4	219.268	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.945	26.045	26.632	0.587	25.5	0.664	0.000	25.3	232.288	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.945	26.045	26.635	0.590	16.5	0.667	0.000	16.4	232.177	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.945	26.045	26.671	0.626	22.3	0.708	0.000	22.0	243.579	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.945	26.045	26.674	0.629	14.4	0.712	0.000	14.3	243.525	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.945	26.045	26.728	0.683	18.0	0.772	0.000	17.8	262.820	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.945	26.045	26.733	0.688	11.6	0.778	0.000	11.5	262.755	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.945	26.045	26.794	0.749	13.4	0.847	0.000	13.2	292.908	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.945	26.045	26.803	0.758	8.6	0.857	0.000	8.5	292.860	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.945	26.045	26.825	0.780	9.9	0.882	0.000	9.7	326.252	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.945	26.045	26.841	0.796	6.4	0.900	0.000	6.2	326.208	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.945	26.045	26.820	0.775	8.0	0.876	0.000	7.8	352.566	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.945	26.045	26.842	0.797	5.2	0.901	0.000	5.0	352.417	Surcharged

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

FEH: 200 years: +45 %: 4320 mins: Summer	27.945	26.045	26.795	0.750	5.9	0.848	0.000	5.8	392.649	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.945	26.045	26.803	0.758	3.8	0.857	0.000	3.7	392.381	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.945	26.045	26.770	0.725	4.8	0.820	0.000	4.7	424.508	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.945	26.045	26.768	0.723	3.1	0.817	0.000	3.1	424.569	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.945	26.045	26.749	0.704	4.1	0.797	0.000	4.1	452.677	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.945	26.045	26.731	0.686	2.6	0.776	0.000	2.6	452.359	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.945	26.045	26.732	0.687	3.6	0.777	0.000	3.6	477.912	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.945	26.045	26.697	0.652	2.3	0.738	0.000	2.3	477.990	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.945	26.045	26.718	0.673	3.3	0.762	0.000	3.3	502.723	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.945	26.045	26.664	0.619	2.1	0.701	0.000	2.1	502.602	Surcharged

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S02- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.946	25.986	27.720	1.734	217.3	1.961	0.000	160.1	155.669	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	27.946	25.986	27.581	1.595	204.7	1.804	0.000	157.3	151.458	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.946	25.986	27.126	1.140	155.1	1.289	0.000	159.7	185.710	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.946	25.986	27.063	1.077	153.0	1.218	0.000	156.1	178.485	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.946	25.986	27.032	1.046	144.1	1.183	0.000	146.1	212.356	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.946	25.986	26.949	0.963	122.4	1.089	0.000	120.0	196.249	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.946	25.986	26.727	0.741	107.0	0.839	0.000	106.7	223.538	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.946	25.986	26.340	0.354	77.0	0.400	0.000	74.9	223.333	OK

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

FEH: 200 years: +45 %: 180 mins: Summer	27.946	25.986	26.414	0.428	81.7	0.484	0.000	79.9	243.824	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.946	25.986	26.385	0.399	57.3	0.451	0.000	56.9	243.094	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.946	25.986	26.441	0.455	67.9	0.515	0.000	64.9	260.436	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.946	25.986	26.440	0.454	46.3	0.514	0.000	46.0	258.000	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.946	25.986	26.523	0.537	51.5	0.607	0.000	50.5	285.163	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.946	25.986	26.524	0.538	34.1	0.608	0.000	34.0	284.246	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.946	25.986	26.585	0.599	42.4	0.677	0.000	41.5	305.669	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.946	25.986	26.587	0.601	27.6	0.679	0.000	27.1	305.531	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.946	25.986	26.632	0.646	36.0	0.731	0.000	35.0	324.208	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.946	25.986	26.635	0.649	23.4	0.734	0.000	22.9	323.624	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.946	25.986	26.671	0.685	31.4	0.774	0.000	30.4	340.077	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.946	25.986	26.674	0.688	20.3	0.778	0.000	19.9	339.685	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.946	25.986	26.728	0.742	25.4	0.839	0.000	24.6	367.242	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.946	25.986	26.733	0.747	16.4	0.845	0.000	15.9	366.974	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.946	25.986	26.794	0.808	18.8	0.914	0.000	18.0	410.222	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.946	25.986	26.803	0.817	12.1	0.924	0.000	11.6	410.054	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.946	25.986	26.825	0.839	13.9	0.949	0.000	13.2	459.029	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.946	25.986	26.841	0.855	8.9	0.967	0.000	8.5	458.873	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.946	25.986	26.820	0.834	11.2	0.943	0.000	10.7	498.427	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.946	25.986	26.842	0.856	7.2	0.968	0.000	6.9	498.078	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.946	25.986	26.795	0.809	8.3	0.915	0.000	8.0	557.582	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.946	25.986	26.803	0.817	5.3	0.924	0.000	5.1	557.042	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.946	25.986	26.770	0.784	6.8	0.887	0.000	6.5	602.752	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.946	25.986	26.768	0.782	4.3	0.884	0.000	4.2	602.908	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.946	25.986	26.749	0.763	5.8	0.863	0.000	5.6	643.167	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.946	25.986	26.731	0.745	3.7	0.842	0.000	3.6	641.714	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.946	25.986	26.732	0.746	5.1	0.844	0.000	5.0	678.902	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.946	25.986	26.697	0.711	3.3	0.804	0.000	3.3	678.966	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.946	25.986	26.718	0.732	4.6	0.828	0.000	4.5	714.146	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.946	25.986	26.664	0.678	3.0	0.767	0.000	2.9	713.854	Surcharged

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S -19- 4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	26.950	26.350	26.995	0.645	210.9	45.472	45.256	141.0	58.085	Flood
FEH: 200 years: +45 %: 15 mins: Winter	26.950	26.350	26.991	0.641	191.3	41.320	41.104	140.7	53.818	Flood
FEH: 200 years: +45 %: 30 mins: Summer	26.950	26.350	26.984	0.634	102.2	34.358	34.142	115.0	55.446	Flood
FEH: 200 years: +45 %: 30 mins: Winter	26.950	26.350	26.978	0.628	83.7	28.163	27.947	99.9	48.179	Flood
FEH: 200 years: +45 %: 60 mins: Summer	26.950	26.350	26.972	0.622	73.4	22.357	22.141	83.8	48.523	Flood
FEH: 200 years: +45 %: 60 mins: Winter	26.950	26.350	26.951	0.601	21.4	1.020	0.804	19.4	33.078	Flood
FEH: 200 years: +45 %: 120 mins: Summer	26.950	26.350	26.736	0.386	18.2	0.139	0.000	18.0	38.192	Flood Risk
FEH: 200 years: +45 %: 120 mins: Winter	26.950	26.350	26.423	0.073	13.1	0.026	0.000	13.1	38.202	OK

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

FEH: 200 years: +45 %: 180 mins: Summer	26.950	26.350	26.430	0.080	14.0	0.029	0.000	13.9	42.050	OK
FEH: 200 years: +45 %: 180 mins: Winter	26.950	26.350	26.415	0.065	9.7	0.023	0.000	9.7	41.954	OK
FEH: 200 years: +45 %: 240 mins: Summer	26.950	26.350	26.441	0.091	11.6	0.033	0.000	11.6	45.014	OK
FEH: 200 years: +45 %: 240 mins: Winter	26.950	26.350	26.440	0.090	7.8	0.033	0.000	7.8	44.529	OK
FEH: 200 years: +45 %: 360 mins: Summer	26.950	26.350	26.523	0.173	8.7	0.062	0.000	8.8	49.145	OK
FEH: 200 years: +45 %: 360 mins: Winter	26.950	26.350	26.524	0.174	5.8	0.063	0.000	5.8	48.945	OK
FEH: 200 years: +45 %: 480 mins: Summer	26.950	26.350	26.585	0.235	7.2	0.084	0.000	7.2	52.459	OK
FEH: 200 years: +45 %: 480 mins: Winter	26.950	26.350	26.587	0.237	4.7	0.085	0.000	4.7	52.445	OK
FEH: 200 years: +45 %: 600 mins: Summer	26.950	26.350	26.632	0.282	6.1	0.102	0.000	6.1	55.569	OK
FEH: 200 years: +45 %: 600 mins: Winter	26.950	26.350	26.635	0.285	3.9	0.103	0.000	3.9	55.431	OK

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

FEH: 200 years: +45 %: 720 mins: Summer	26.950	26.350	26.671	0.321	5.3	0.115	0.000	5.3	58.211	Flood Risk
FEH: 200 years: +45 %: 720 mins: Winter	26.950	26.350	26.674	0.324	3.4	0.117	0.000	3.4	58.163	Flood Risk
FEH: 200 years: +45 %: 960 mins: Summer	26.950	26.350	26.728	0.378	4.3	0.136	0.000	4.3	62.786	Flood Risk
FEH: 200 years: +45 %: 960 mins: Winter	26.950	26.350	26.733	0.383	2.8	0.138	0.000	2.8	62.755	Flood Risk
FEH: 200 years: +45 %: 1440 mins: Summer	26.950	26.350	26.794	0.444	3.2	0.160	0.000	3.2	70.127	Flood Risk
FEH: 200 years: +45 %: 1440 mins: Winter	26.950	26.350	26.803	0.453	2.1	0.163	0.000	2.1	70.099	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Summer	26.950	26.350	26.825	0.475	2.4	0.171	0.000	2.4	78.446	Flood Risk
FEH: 200 years: +45 %: 2160 mins: Winter	26.950	26.350	26.841	0.491	1.5	0.177	0.000	1.5	78.499	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Summer	26.950	26.350	26.820	0.470	1.9	0.169	0.000	1.9	84.445	Flood Risk
FEH: 200 years: +45 %: 2880 mins: Winter	26.950	26.350	26.842	0.492	1.2	0.177	0.000	1.2	84.565	Flood Risk

FEH: 200 years: +45 %: 4320 mins: Summer	26.950	26.350	26.795	0.445	1.4	0.160	0.000	1.4	93.946	Flood Risk
FEH: 200 years: +45 %: 4320 mins: Winter	26.950	26.350	26.803	0.453	0.9	0.163	0.000	0.9	93.779	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Summer	26.950	26.350	26.770	0.420	1.1	0.151	0.000	1.2	101.413	Flood Risk
FEH: 200 years: +45 %: 5760 mins: Winter	26.950	26.350	26.768	0.418	0.7	0.150	0.000	0.7	101.461	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Summer	26.950	26.350	26.749	0.399	1.0	0.144	0.000	1.0	108.587	Flood Risk
FEH: 200 years: +45 %: 7200 mins: Winter	26.950	26.350	26.731	0.381	0.6	0.137	0.000	0.6	107.937	Flood Risk
FEH: 200 years: +45 %: 8640 mins: Summer	26.950	26.350	26.732	0.382	0.9	0.138	0.000	0.9	114.171	Flood Risk
FEH: 200 years: +45 %: 8640 mins: Winter	26.950	26.350	26.697	0.347	0.6	0.125	0.000	0.6	114.585	Flood Risk
FEH: 200 years: +45 %: 10080 mins: Summer	26.950	26.350	26.718	0.368	0.8	0.133	0.000	0.8	120.454	Flood Risk

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

FEH: 200 years: +45 %: 10080 mins: Winter	26.950	26.350	26.664	0.314	0.5	0.113	0.000	0.5	120.370	Flood Risk

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for EX : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.664	25.177	25.215	0.038	5.5	0.000	0.000	5.5	7.462	OK
FEH: 200 years: +45 %: 15 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	7.539	OK
FEH: 200 years: +45 %: 30 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.515	OK
FEH: 200 years: +45 %: 30 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	15.581	OK
FEH: 200 years: +45 %: 60 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	30.887	OK
FEH: 200 years: +45 %: 60 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	30.884	OK
FEH: 200 years: +45 %: 120 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	65.686	OK
FEH: 200 years: +45 %: 120 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	65.612	OK

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

FEH: 200 years: +45 %: 180 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	102.010	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	101.742	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	139.281	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	138.774	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	215.629	OK
FEH: 200 years: +45 %: 360 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	214.559	OK
FEH: 200 years: +45 %: 480 mins: Summer	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	293.515	OK
FEH: 200 years: +45 %: 480 mins: Winter	27.664	25.177	25.215	0.038	5.6	0.000	0.000	5.6	291.850	OK
FEH: 200 years: +45 %: 600 mins: Summer	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	372.339	OK
FEH: 200 years: +45 %: 600 mins: Winter	27.664	25.177	25.215	0.038	5.7	0.000	0.000	5.7	370.048	OK

FEH: 200 years: +45 %: 720 mins: Summer	27.664	25.177	25.215	0.038	5.8	0.000	0.000	5.8	451.622	OK
FEH: 200 years: +45 %: 720 mins: Winter	27.664	25.177	25.215	0.038	5.8	0.000	0.000	5.8	448.720	OK
FEH: 200 years: +45 %: 960 mins: Summer	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	610.702	OK
FEH: 200 years: +45 %: 960 mins: Winter	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	606.586	OK
FEH: 200 years: +45 %: 1440 mins: Summer	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	926.595	OK
FEH: 200 years: +45 %: 1440 mins: Winter	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	920.391	OK
FEH: 200 years: +45 %: 2160 mins: Summer	27.664	25.177	25.216	0.039	6.1	0.000	0.000	6.1	1383.159	OK
FEH: 200 years: +45 %: 2160 mins: Winter	27.664	25.177	25.216	0.039	6.1	0.000	0.000	6.1	1374.796	OK
FEH: 200 years: +45 %: 2880 mins: Summer	27.664	25.177	25.216	0.039	6.1	0.000	0.000	6.1	1812.846	OK
FEH: 200 years: +45 %: 2880 mins: Winter	27.664	25.177	25.216	0.039	6.1	0.000	0.000	6.1	1803.568	OK

FEH: 200 years: +45 %: 4320 mins: Summer	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	2657.043	OK
FEH: 200 years: +45 %: 4320 mins: Winter	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	2646.615	OK
FEH: 200 years: +45 %: 5760 mins: Summer	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	3478.575	OK
FEH: 200 years: +45 %: 5760 mins: Winter	27.664	25.177	25.216	0.039	6.0	0.000	0.000	6.0	3477.490	OK
FEH: 200 years: +45 %: 7200 mins: Summer	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	3748.871	OK
FEH: 200 years: +45 %: 7200 mins: Winter	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	3746.418	OK
FEH: 200 years: +45 %: 8640 mins: Summer	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	3966.714	OK
FEH: 200 years: +45 %: 8640 mins: Winter	27.664	25.177	25.215	0.038	5.8	0.000	0.000	5.8	3965.699	OK
FEH: 200 years: +45 %: 10080 mins: Summer	27.664	25.177	25.216	0.039	5.9	0.000	0.000	5.9	4172.522	OK

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.664	25.177	25.215	0.038	5.8	0.000	0.000	5.8	4171.602	OK

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Full Retention oil Interceptor: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.943	25.664	26.249	0.585	570.8	3.347	0.000	556.8	351.863	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.943	25.664	26.215	0.551	546.4	3.154	0.000	534.7	351.898	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.943	25.664	26.194	0.530	439.1	3.033	0.000	433.2	463.266	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.943	25.664	26.156	0.492	426.2	2.819	0.000	423.5	463.280	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.943	25.664	26.214	0.550	412.6	3.149	0.000	408.7	583.149	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.943	25.664	26.206	0.542	373.4	3.105	0.000	373.0	581.798	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.943	25.664	26.314	0.650	323.6	3.720	0.000	321.5	667.000	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.943	25.664	26.314	0.650	229.5	3.722	0.000	228.1	666.609	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 200 years: +45 %: 180 mins: Summer	27.943	25.664	26.385	0.721	246.3	4.129	0.000	240.8	728.648	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.943	25.664	26.385	0.721	170.0	4.131	0.000	168.9	727.508	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.943	25.664	26.440	0.776	198.9	4.442	0.000	195.6	778.980	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.943	25.664	26.441	0.777	136.9	4.447	0.000	135.4	775.651	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.943	25.664	26.523	0.859	150.4	4.918	0.000	148.0	857.479	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.943	25.664	26.524	0.860	100.3	4.927	0.000	99.1	856.128	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.943	25.664	26.584	0.920	123.0	5.270	0.000	121.7	921.323	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.943	25.664	26.587	0.923	80.6	5.283	0.000	79.7	921.126	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.943	25.664	26.632	0.968	105.2	5.543	0.000	104.1	977.067	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.943	25.664	26.635	0.971	68.0	5.561	0.000	67.3	976.305	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.943	25.664	26.670	1.006	91.6	5.762	0.000	90.7	1025.323	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.943	25.664	26.674	1.010	59.1	5.785	0.000	58.5	1024.775	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.943	25.664	26.728	1.064	74.0	6.090	0.000	73.3	1107.717	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.943	25.664	26.733	1.069	47.6	6.121	0.000	47.1	1107.218	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.943	25.664	26.794	1.130	54.7	6.468	0.000	54.2	1237.224	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.943	25.664	26.803	1.139	35.2	6.522	0.000	34.9	1236.961	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.943	25.664	26.825	1.161	40.4	6.646	0.000	40.1	1381.412	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.943	25.664	26.841	1.177	26.1	6.740	0.000	25.9	1381.231	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.943	25.664	26.820	1.156	32.7	6.617	0.000	32.4	1496.861	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.943	25.664	26.842	1.178	21.1	6.743	0.000	20.9	1496.283	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.943	25.664	26.795	1.131	24.2	6.473	0.000	24.0	1680.150	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.943	25.664	26.803	1.139	15.6	6.521	0.000	15.5	1679.562	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.943	25.664	26.770	1.106	19.6	6.332	0.000	19.5	1820.355	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.943	25.664	26.768	1.104	12.7	6.319	0.000	12.6	1820.963	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.943	25.664	26.749	1.085	16.8	6.214	0.000	16.6	1940.994	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.943	25.664	26.731	1.067	10.8	6.108	0.000	10.8	1939.749	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.943	25.664	26.732	1.068	14.9	6.116	0.000	14.7	2051.366	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.943	25.664	26.697	1.033	9.6	5.915	0.000	9.5	2050.485	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.943	25.664	26.718	1.054	13.4	6.037	0.000	13.3	2156.413	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.943	25.664	26.664	1.000	8.7	5.728	0.000	8.6	2156.390	Surcharged

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S14-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.975	26.529	26.828	0.300	190.3	0.339	0.000	164.8	84.658	OK
FEH: 200 years: +45 %: 15 mins: Winter	27.975	26.529	26.801	0.272	179.6	0.308	0.000	168.1	84.700	OK
FEH: 200 years: +45 %: 30 mins: Summer	27.975	26.529	26.749	0.220	129.8	0.249	0.000	129.8	112.593	OK
FEH: 200 years: +45 %: 30 mins: Winter	27.975	26.529	26.740	0.211	121.8	0.239	0.000	121.8	112.617	OK
FEH: 200 years: +45 %: 60 mins: Summer	27.975	26.529	26.731	0.202	113.4	0.229	0.000	113.4	141.919	OK
FEH: 200 years: +45 %: 60 mins: Winter	27.975	26.529	26.706	0.178	91.2	0.201	0.000	91.2	141.930	OK
FEH: 200 years: +45 %: 120 mins: Summer	27.975	26.529	26.691	0.162	77.7	0.184	0.000	77.7	163.849	OK
FEH: 200 years: +45 %: 120 mins: Winter	27.975	26.529	26.664	0.135	55.9	0.153	0.000	55.9	163.851	OK

FEH: 200 years: +45 %: 180 mins: Summer	27.975	26.529	26.669	0.141	59.9	0.159	0.000	59.9	179.104	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.975	26.529	26.644	0.115	41.3	0.130	0.000	41.3	179.088	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.975	26.529	26.655	0.127	49.5	0.143	0.000	49.6	191.285	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.975	26.529	26.632	0.103	33.3	0.117	0.000	33.3	191.277	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.975	26.529	26.637	0.109	37.3	0.123	0.000	37.4	210.803	OK
FEH: 200 years: +45 %: 360 mins: Winter	27.975	26.529	26.617	0.088	24.6	0.100	0.000	24.6	210.771	OK
FEH: 200 years: +45 %: 480 mins: Summer	27.975	26.529	26.626	0.098	30.7	0.111	0.000	30.8	226.506	OK
FEH: 200 years: +45 %: 480 mins: Winter	27.975	26.529	26.607	0.078	19.9	0.088	0.000	19.9	226.393	OK
FEH: 200 years: +45 %: 600 mins: Summer	27.975	26.529	26.632	0.103	26.1	0.117	0.000	26.1	239.667	OK
FEH: 200 years: +45 %: 600 mins: Winter	27.975	26.529	26.635	0.106	16.8	0.120	0.000	16.8	239.678	OK

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

FEH: 200 years: +45 %: 720 mins: Summer	27.975	26.529	26.670	0.141	22.8	0.160	0.000	22.8	251.235	OK
FEH: 200 years: +45 %: 720 mins: Winter	27.975	26.529	26.674	0.145	14.7	0.164	0.000	14.7	251.210	OK
FEH: 200 years: +45 %: 960 mins: Summer	27.975	26.529	26.727	0.199	18.4	0.225	0.000	18.4	270.884	OK
FEH: 200 years: +45 %: 960 mins: Winter	27.975	26.529	26.733	0.204	11.9	0.231	0.000	11.9	270.814	OK
FEH: 200 years: +45 %: 1440 mins: Summer	27.975	26.529	26.793	0.265	13.7	0.299	0.000	13.7	301.605	OK
FEH: 200 years: +45 %: 1440 mins: Winter	27.975	26.529	26.803	0.274	8.8	0.310	0.000	8.8	301.584	OK
FEH: 200 years: +45 %: 2160 mins: Summer	27.975	26.529	26.824	0.296	10.1	0.334	0.000	10.1	335.007	OK
FEH: 200 years: +45 %: 2160 mins: Winter	27.975	26.529	26.841	0.312	6.5	0.353	0.000	6.5	335.015	OK
FEH: 200 years: +45 %: 2880 mins: Summer	27.975	26.529	26.819	0.291	8.2	0.329	0.000	8.2	360.635	OK
FEH: 200 years: +45 %: 2880 mins: Winter	27.975	26.529	26.841	0.313	5.3	0.354	0.000	5.3	360.931	OK

FEH: 200 years: +45 %: 4320 mins: Summer	27.975	26.529	26.794	0.266	6.1	0.300	0.000	6.1	400.944	OK
FEH: 200 years: +45 %: 4320 mins: Winter	27.975	26.529	26.802	0.274	3.9	0.310	0.000	3.9	400.825	OK
FEH: 200 years: +45 %: 5760 mins: Summer	27.975	26.529	26.769	0.241	4.9	0.272	0.000	4.9	433.713	OK
FEH: 200 years: +45 %: 5760 mins: Winter	27.975	26.529	26.767	0.239	3.2	0.270	0.000	3.2	433.646	OK
FEH: 200 years: +45 %: 7200 mins: Summer	27.975	26.529	26.749	0.220	4.2	0.249	0.000	4.2	462.682	OK
FEH: 200 years: +45 %: 7200 mins: Winter	27.975	26.529	26.730	0.202	2.7	0.228	0.000	2.7	462.162	OK
FEH: 200 years: +45 %: 8640 mins: Summer	27.975	26.529	26.732	0.203	3.7	0.230	0.000	3.7	488.699	OK
FEH: 200 years: +45 %: 8640 mins: Winter	27.975	26.529	26.697	0.168	2.4	0.190	0.000	2.4	488.455	OK
FEH: 200 years: +45 %: 10080 mins: Summer	27.975	26.529	26.718	0.189	3.3	0.214	0.000	3.3	514.085	OK

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.975	26.529	26.664	0.135	2.2	0.153	0.000	2.2	513.873	OK

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S03-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.908	25.903	27.718	1.815	305.6	2.052	0.000	296.7	232.373	Flood Risk
FEH: 200 years: +45 %: 15 mins: Winter	27.908	25.903	27.576	1.673	295.2	1.893	0.000	287.8	232.353	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.908	25.903	27.102	1.199	257.1	1.356	0.000	253.3	306.510	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.908	25.903	27.033	1.130	253.0	1.278	0.000	250.1	306.519	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	27.908	25.903	27.002	1.099	250.5	1.243	0.000	248.8	385.272	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	27.908	25.903	26.892	0.989	242.4	1.119	0.000	240.1	384.125	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	27.908	25.903	26.680	0.777	211.0	0.879	0.000	210.8	438.755	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.908	25.903	26.314	0.411	149.9	0.465	0.000	148.4	438.365	OK

FEH: 200 years: +45 %: 180 mins: Summer	27.908	25.903	26.386	0.483	160.4	0.546	0.000	159.5	478.738	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.908	25.903	26.385	0.482	112.4	0.545	0.000	111.1	477.710	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.908	25.903	26.441	0.538	131.4	0.608	0.000	128.3	511.489	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.908	25.903	26.440	0.537	90.7	0.608	0.000	89.9	508.338	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.908	25.903	26.523	0.620	100.6	0.701	0.000	97.9	561.882	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.908	25.903	26.524	0.621	67.0	0.702	0.000	65.6	560.708	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.908	25.903	26.584	0.681	82.7	0.771	0.000	79.8	603.127	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.908	25.903	26.587	0.684	53.7	0.773	0.000	52.7	602.967	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.908	25.903	26.632	0.729	70.1	0.825	0.000	68.3	639.550	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.908	25.903	26.635	0.732	45.5	0.828	0.000	44.4	638.789	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.908	25.903	26.671	0.768	61.0	0.868	0.000	59.3	670.900	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.908	25.903	26.674	0.771	39.5	0.872	0.000	38.6	670.381	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.908	25.903	26.728	0.825	49.4	0.933	0.000	48.0	724.472	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.908	25.903	26.733	0.830	31.8	0.939	0.000	30.8	724.076	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.908	25.903	26.794	0.891	36.4	1.007	0.000	35.3	808.685	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.908	25.903	26.803	0.900	23.4	1.018	0.000	22.7	808.441	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.908	25.903	26.825	0.922	26.8	1.042	0.000	26.0	902.846	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.908	25.903	26.841	0.938	17.3	1.061	0.000	16.7	902.609	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.908	25.903	26.820	0.917	21.7	1.037	0.000	21.0	978.787	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.908	25.903	26.842	0.939	14.0	1.062	0.000	13.5	978.314	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.908	25.903	26.795	0.892	16.1	1.008	0.000	15.6	1096.134	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.908	25.903	26.803	0.900	10.4	1.018	0.000	10.0	1095.510	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.908	25.903	26.770	0.867	13.1	0.980	0.000	12.7	1184.891	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.908	25.903	26.768	0.865	8.4	0.978	0.000	8.2	1185.412	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.908	25.903	26.749	0.846	11.2	0.957	0.000	10.9	1263.777	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.908	25.903	26.731	0.828	7.2	0.936	0.000	7.0	1262.208	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.908	25.903	26.732	0.829	9.9	0.938	0.000	9.7	1335.042	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.908	25.903	26.697	0.794	6.4	0.898	0.000	6.3	1334.685	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.908	25.903	26.718	0.815	9.0	0.922	0.000	8.7	1404.348	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.908	25.903	26.664	0.761	5.8	0.861	0.000	5.7	1403.623	Surcharged

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S13-4 : Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.975	25.850	26.400	0.549	164.8	0.621	0.000	152.7	84.486	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	27.975	25.850	26.338	0.488	168.1	0.552	0.000	149.7	84.475	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	27.975	25.850	26.246	0.396	129.8	0.448	0.000	129.6	108.418	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	27.975	25.850	26.211	0.360	121.8	0.408	0.000	121.2	108.555	OK
FEH: 200 years: +45 %: 60 mins: Summer	27.975	25.850	26.207	0.357	113.4	0.404	0.000	113.3	134.664	OK
FEH: 200 years: +45 %: 60 mins: Winter	27.975	25.850	26.207	0.357	91.2	0.404	0.000	91.4	134.591	OK
FEH: 200 years: +45 %: 120 mins: Summer	27.975	25.850	26.313	0.463	77.7	0.524	0.000	78.0	155.477	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	27.975	25.850	26.314	0.464	55.9	0.524	0.000	56.1	155.542	Surcharged

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

FEH: 200 years: +45 %: 180 mins: Summer	27.975	25.850	26.385	0.535	59.9	0.605	0.000	59.9	170.300	Surcharged
FEH: 200 years: +45 %: 180 mins: Winter	27.975	25.850	26.386	0.535	41.3	0.606	0.000	40.6	170.345	Surcharged
FEH: 200 years: +45 %: 240 mins: Summer	27.975	25.850	26.440	0.590	49.6	0.667	0.000	47.0	182.212	Surcharged
FEH: 200 years: +45 %: 240 mins: Winter	27.975	25.850	26.441	0.590	33.3	0.668	0.000	32.7	182.256	Surcharged
FEH: 200 years: +45 %: 360 mins: Summer	27.975	25.850	26.523	0.673	37.4	0.761	0.000	33.4	201.420	Surcharged
FEH: 200 years: +45 %: 360 mins: Winter	27.975	25.850	26.525	0.674	24.6	0.763	0.000	23.0	201.435	Surcharged
FEH: 200 years: +45 %: 480 mins: Summer	27.975	25.850	26.585	0.734	30.8	0.831	0.000	27.1	217.028	Surcharged
FEH: 200 years: +45 %: 480 mins: Winter	27.975	25.850	26.587	0.737	19.9	0.833	0.000	18.5	216.882	Surcharged
FEH: 200 years: +45 %: 600 mins: Summer	27.975	25.850	26.633	0.782	26.1	0.885	0.000	23.0	230.026	Surcharged
FEH: 200 years: +45 %: 600 mins: Winter	27.975	25.850	26.635	0.785	16.8	0.888	0.000	15.2	230.062	Surcharged

FEH: 200 years: +45 %: 720 mins: Summer	27.975	25.850	26.671	0.820	22.8	0.928	0.000	20.1	241.557	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	27.975	25.850	26.675	0.824	14.7	0.932	0.000	13.1	241.546	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	27.975	25.850	26.728	0.878	18.4	0.992	0.000	16.5	261.227	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	27.975	25.850	26.733	0.883	11.9	0.999	0.000	10.7	261.141	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	27.975	25.850	26.794	0.944	13.7	1.067	0.000	12.5	292.225	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	27.975	25.850	26.803	0.953	8.8	1.078	0.000	8.2	292.147	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	27.975	25.850	26.825	0.975	10.1	1.102	0.000	9.6	326.500	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	27.975	25.850	26.841	0.991	6.5	1.121	0.000	6.1	326.438	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	27.975	25.850	26.820	0.970	8.2	1.097	0.000	7.8	353.548	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	27.975	25.850	26.842	0.992	5.3	1.121	0.000	5.0	353.749	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	27.975	25.850	26.795	0.945	6.1	1.068	0.000	5.8	400.990	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	27.975	25.850	26.803	0.953	3.9	1.078	0.000	3.7	400.778	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	27.975	25.850	26.770	0.920	4.9	1.040	0.000	4.7	433.830	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	27.975	25.850	26.768	0.918	3.2	1.038	0.000	3.0	433.756	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	27.975	25.850	26.750	0.899	4.2	1.017	0.000	4.0	462.789	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	27.975	25.850	26.731	0.881	2.7	0.996	0.000	2.6	462.263	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	27.975	25.850	26.732	0.882	3.7	0.998	0.000	3.5	488.787	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	27.975	25.850	26.697	0.847	2.4	0.958	0.000	2.2	488.539	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	27.975	25.850	26.719	0.868	3.3	0.982	0.000	3.1	514.158	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.975	25.850	26.665	0.814	2.2	0.921	0.000	2.0	513.940	Surcharged

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S15-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	27.970	26.937	27.231	0.294	185.6	0.333	0.000	180.6	80.531	OK
FEH: 200 years: +45 %: 15 mins: Winter	27.970	26.937	27.215	0.278	174.2	0.314	0.000	170.4	80.616	OK
FEH: 200 years: +45 %: 30 mins: Summer	27.970	26.937	27.152	0.215	123.3	0.244	0.000	123.3	106.845	OK
FEH: 200 years: +45 %: 30 mins: Winter	27.970	26.937	27.143	0.206	115.7	0.234	0.000	115.7	106.845	OK
FEH: 200 years: +45 %: 60 mins: Summer	27.970	26.937	27.134	0.197	107.7	0.223	0.000	107.7	134.643	OK
FEH: 200 years: +45 %: 60 mins: Winter	27.970	26.937	27.109	0.172	86.6	0.194	0.000	86.6	134.640	OK
FEH: 200 years: +45 %: 120 mins: Summer	27.970	26.937	27.093	0.156	73.8	0.176	0.000	73.8	155.475	OK
FEH: 200 years: +45 %: 120 mins: Winter	27.970	26.937	27.066	0.129	53.1	0.146	0.000	53.1	155.476	OK

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

FEH: 200 years: +45 %: 180 mins: Summer	27.970	26.937	27.071	0.134	57.0	0.152	0.000	56.9	169.992	OK
FEH: 200 years: +45 %: 180 mins: Winter	27.970	26.937	27.046	0.109	39.3	0.124	0.000	39.3	169.993	OK
FEH: 200 years: +45 %: 240 mins: Summer	27.970	26.937	27.058	0.121	47.0	0.136	0.000	47.0	181.588	OK
FEH: 200 years: +45 %: 240 mins: Winter	27.970	26.937	27.034	0.097	31.6	0.110	0.000	31.6	181.595	OK
FEH: 200 years: +45 %: 360 mins: Summer	27.970	26.937	27.040	0.103	35.5	0.117	0.000	35.4	200.186	OK
FEH: 200 years: +45 %: 360 mins: Winter	27.970	26.937	27.020	0.083	23.4	0.094	0.000	23.3	200.188	OK
FEH: 200 years: +45 %: 480 mins: Summer	27.970	26.937	27.030	0.093	29.2	0.105	0.000	29.2	215.102	OK
FEH: 200 years: +45 %: 480 mins: Winter	27.970	26.937	27.011	0.074	18.9	0.084	0.000	18.9	215.109	OK
FEH: 200 years: +45 %: 600 mins: Summer	27.970	26.937	27.023	0.086	24.8	0.097	0.000	24.8	227.698	OK
FEH: 200 years: +45 %: 600 mins: Winter	27.970	26.937	27.005	0.068	16.0	0.077	0.000	16.0	227.722	OK

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

FEH: 200 years: +45 %: 720 mins: Summer	27.970	26.937	27.017	0.080	21.7	0.090	0.000	21.7	238.715	OK
FEH: 200 years: +45 %: 720 mins: Winter	27.970	26.937	27.001	0.064	14.0	0.072	0.000	14.0	238.709	OK
FEH: 200 years: +45 %: 960 mins: Summer	27.970	26.937	27.009	0.072	17.5	0.081	0.000	17.5	257.395	OK
FEH: 200 years: +45 %: 960 mins: Winter	27.970	26.937	26.995	0.058	11.3	0.065	0.000	11.3	257.402	OK
FEH: 200 years: +45 %: 1440 mins: Summer	27.970	26.937	26.999	0.062	13.0	0.070	0.000	13.0	286.569	OK
FEH: 200 years: +45 %: 1440 mins: Winter	27.970	26.937	26.987	0.050	8.4	0.056	0.000	8.4	286.563	OK
FEH: 200 years: +45 %: 2160 mins: Summer	27.970	26.937	26.990	0.053	9.6	0.060	0.000	9.6	318.317	OK
FEH: 200 years: +45 %: 2160 mins: Winter	27.970	26.937	26.980	0.043	6.2	0.049	0.000	6.2	318.298	OK
FEH: 200 years: +45 %: 2880 mins: Summer	27.970	26.937	26.985	0.048	7.8	0.054	0.000	7.8	342.651	OK
FEH: 200 years: +45 %: 2880 mins: Winter	27.970	26.937	26.976	0.039	5.0	0.044	0.000	5.0	342.883	OK

FEH: 200 years: +45 %: 4320 mins: Summer	27.970	26.937	26.978	0.041	5.8	0.047	0.000	5.8	380.877	OK
FEH: 200 years: +45 %: 4320 mins: Winter	27.970	26.937	26.970	0.033	3.7	0.038	0.000	3.7	381.060	OK
FEH: 200 years: +45 %: 5760 mins: Summer	27.970	26.937	26.974	0.037	4.7	0.042	0.000	4.7	411.984	OK
FEH: 200 years: +45 %: 5760 mins: Winter	27.970	26.937	26.967	0.030	3.0	0.034	0.000	3.0	411.771	OK
FEH: 200 years: +45 %: 7200 mins: Summer	27.970	26.937	26.972	0.035	4.0	0.039	0.000	4.0	439.601	OK
FEH: 200 years: +45 %: 7200 mins: Winter	27.970	26.937	26.965	0.028	2.6	0.032	0.000	2.6	439.365	OK
FEH: 200 years: +45 %: 8640 mins: Summer	27.970	26.937	26.970	0.033	3.5	0.037	0.000	3.5	463.910	OK
FEH: 200 years: +45 %: 8640 mins: Winter	27.970	26.937	26.963	0.026	2.3	0.030	0.000	2.3	463.982	OK
FEH: 200 years: +45 %: 10080 mins: Summer	27.970	26.937	26.968	0.031	3.2	0.035	0.000	3.2	488.178	OK

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

FEH: 200 years: +45 %: 10080 mins: Winter	27.970	26.937	26.962	0.025	2.0	0.028	0.000	2.0	487.961	OK

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for S16-4: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
FEH: 200 years: +45 %: 15 mins: Summer	28.087	26.287	27.639	1.352	547.7	1.529	0.000	541.7	237.859	Surcharged
FEH: 200 years: +45 %: 15 mins: Winter	28.087	26.287	27.520	1.233	514.1	1.395	0.000	509.1	237.863	Surcharged
FEH: 200 years: +45 %: 30 mins: Summer	28.087	26.287	27.056	0.769	363.9	0.870	0.000	363.9	315.241	Surcharged
FEH: 200 years: +45 %: 30 mins: Winter	28.087	26.287	26.998	0.711	341.5	0.804	0.000	341.5	315.244	Surcharged
FEH: 200 years: +45 %: 60 mins: Summer	28.087	26.287	26.941	0.654	317.9	0.740	0.000	317.9	397.301	Surcharged
FEH: 200 years: +45 %: 60 mins: Winter	28.087	26.287	26.817	0.530	255.7	0.599	0.000	255.7	397.299	Surcharged
FEH: 200 years: +45 %: 120 mins: Summer	28.087	26.287	26.748	0.461	217.7	0.521	0.000	217.7	458.809	Surcharged
FEH: 200 years: +45 %: 120 mins: Winter	28.087	26.287	26.571	0.284	156.7	0.321	0.000	156.7	458.772	OK

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

FEH: 200 years: +45 %: 180 mins: Summer	28.087	26.287	26.586	0.299	168.1	0.339	0.000	168.1	501.491	OK
FEH: 200 years: +45 %: 180 mins: Winter	28.087	26.287	26.518	0.231	115.8	0.261	0.000	115.8	501.456	OK
FEH: 200 years: +45 %: 240 mins: Summer	28.087	26.287	26.547	0.260	138.9	0.295	0.000	138.9	535.614	OK
FEH: 200 years: +45 %: 240 mins: Winter	28.087	26.287	26.488	0.201	93.4	0.228	0.000	93.4	535.610	OK
FEH: 200 years: +45 %: 360 mins: Summer	28.087	26.287	26.523	0.236	104.6	0.267	0.000	104.6	590.374	OK
FEH: 200 years: +45 %: 360 mins: Winter	28.087	26.287	26.524	0.237	68.9	0.269	0.000	68.9	590.357	OK
FEH: 200 years: +45 %: 480 mins: Summer	28.087	26.287	26.584	0.297	86.1	0.336	0.000	86.1	634.255	OK
FEH: 200 years: +45 %: 480 mins: Winter	28.087	26.287	26.587	0.300	55.7	0.339	0.000	55.7	634.272	OK
FEH: 200 years: +45 %: 600 mins: Summer	28.087	26.287	26.632	0.345	73.2	0.390	0.000	73.2	671.394	OK
FEH: 200 years: +45 %: 600 mins: Winter	28.087	26.287	26.635	0.348	47.2	0.394	0.000	47.2	671.376	OK

FEH: 200 years: +45 %: 720 mins: Summer	28.087	26.287	26.670	0.383	63.9	0.434	0.000	63.9	703.852	Surcharged
FEH: 200 years: +45 %: 720 mins: Winter	28.087	26.287	26.674	0.387	41.2	0.438	0.000	41.2	703.845	Surcharged
FEH: 200 years: +45 %: 960 mins: Summer	28.087	26.287	26.728	0.441	51.7	0.498	0.000	51.7	758.947	Surcharged
FEH: 200 years: +45 %: 960 mins: Winter	28.087	26.287	26.733	0.446	33.3	0.504	0.000	33.3	758.960	Surcharged
FEH: 200 years: +45 %: 1440 mins: Summer	28.087	26.287	26.794	0.507	38.4	0.573	0.000	38.4	845.135	Surcharged
FEH: 200 years: +45 %: 1440 mins: Winter	28.087	26.287	26.803	0.516	24.8	0.584	0.000	24.8	845.091	Surcharged
FEH: 200 years: +45 %: 2160 mins: Summer	28.087	26.287	26.825	0.538	28.4	0.608	0.000	28.4	939.105	Surcharged
FEH: 200 years: +45 %: 2160 mins: Winter	28.087	26.287	26.841	0.554	18.3	0.627	0.000	18.3	939.125	Surcharged
FEH: 200 years: +45 %: 2880 mins: Summer	28.087	26.287	26.820	0.533	22.9	0.602	0.000	22.9	1011.821	Surcharged
FEH: 200 years: +45 %: 2880 mins: Winter	28.087	26.287	26.842	0.555	14.8	0.627	0.000	14.8	1011.857	Surcharged

FEH: 200 years: +45 %: 4320 mins: Summer	28.087	26.287	26.795	0.508	17.0	0.574	0.000	17.0	1124.069	Surcharged
FEH: 200 years: +45 %: 4320 mins: Winter	28.087	26.287	26.803	0.516	11.0	0.583	0.000	11.0	1124.186	Surcharged
FEH: 200 years: +45 %: 5760 mins: Summer	28.087	26.287	26.770	0.483	13.8	0.546	0.000	13.8	1215.658	Surcharged
FEH: 200 years: +45 %: 5760 mins: Winter	28.087	26.287	26.768	0.481	8.9	0.544	0.000	8.9	1215.732	Surcharged
FEH: 200 years: +45 %: 7200 mins: Summer	28.087	26.287	26.749	0.462	11.8	0.523	0.000	11.8	1295.976	Surcharged
FEH: 200 years: +45 %: 7200 mins: Winter	28.087	26.287	26.731	0.444	7.6	0.502	0.000	7.6	1295.556	Surcharged
FEH: 200 years: +45 %: 8640 mins: Summer	28.087	26.287	26.732	0.445	10.4	0.503	0.000	10.4	1369.792	Surcharged
FEH: 200 years: +45 %: 8640 mins: Winter	28.087	26.287	26.697	0.410	6.7	0.464	0.000	6.7	1369.719	Surcharged
FEH: 200 years: +45 %: 10080 mins: Summer	28.087	26.287	26.718	0.431	9.3	0.488	0.000	9.3	1439.901	Surcharged

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

FEH: 200 years: +45 %: 10080 mins: Winter	28.087	26.287	26.664	0.377	6.0	0.427	0.000	6.0	1439.416	Surcharged

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S12-4: Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S04- 4 : Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S05- 4: Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S07- 4: Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S01- 4: Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S02- 4: Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S-19- 4: Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for EX : Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Full Retention oil Interceptor: Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S14-4: Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S03-4: Rank By: Max. Depth

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



5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for S13-4 : Rank By: Max. Depth

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



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

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



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

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



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

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 2 years: +0 %: 15 mins: Summer	25.563	25.563	25.563	0.113	0.113	0.113	341.5	164.359	0.000	0.000	5.3	6.551	91.943
FEH: 2 years: +0 %: 15 mins: Winter	25.563	25.563	25.563	0.113	0.113	0.113	323.2	164.343	0.000	0.000	5.3	6.568	91.944
FEH: 2 years: +0 %: 30 mins: Summer	25.594	25.594	25.594	0.144	0.144	0.144	251.8	209.326	0.000	0.000	5.6	14.594	89.738
FEH: 2 years: +0 %: 30 mins: Winter	25.594	25.594	25.594	0.144	0.144	0.144	236.4	209.295	0.000	0.000	5.6	14.650	89.740
FEH: 2 years: +0 %: 60 mins: Summer	25.626	25.626	25.626	0.176	0.176	0.176	216.5	255.983	0.000	0.000	5.6	30.827	87.451

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

FEH: 2 years: +0 %: 60 mins: Winter	25.626	25.626	25.626	0.176	0.176	0.176	174.2	255.887	0.000	0.000	5.5	31.095	87.456
FEH: 2 years: +0 %: 120 mins: Summer	25.671	25.671	25.671	0.221	0.221	0.221	165.7	321.283	0.000	0.000	5.6	64.789	84.250
FEH: 2 years: +0 %: 120 mins: Winter	25.670	25.670	25.670	0.220	0.220	0.220	119.5	321.103	0.000	0.000	5.6	65.351	84.259
FEH: 2 years: +0 %: 180 mins: Summer	25.696	25.696	25.696	0.246	0.246	0.246	134.7	358.484	0.000	0.000	5.6	99.307	82.426
FEH: 2 years: +0 %: 180 mins: Winter	25.696	25.696	25.696	0.246	0.246	0.246	92.6	358.400	0.000	0.000	5.6	100.071	82.430
FEH: 2 years: +0 %: 240 mins: Summer	25.713	25.713	25.713	0.263	0.263	0.263	114.1	383.036	0.000	0.000	5.6	134.040	81.223
FEH: 2 years: +0 %: 240 mins: Winter	25.713	25.713	25.713	0.263	0.263	0.263	76.7	383.259	0.000	0.000	5.6	134.974	81.212
FEH: 2 years: +0 %: 360 mins: Summer	25.734	25.734	25.734	0.284	0.284	0.284	88.6	412.950	0.000	0.000	5.6	203.761	79.756

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FEH: 2 years: +0 %: 360 mins: Winter	25.734	25.734	25.734	0.284	0.284	0.284	58.5	413.729	0.000	0.000	5.6	205.005	79.718
FEH: 2 years: +0 %: 480 mins: Summer	25.745	25.745	25.745	0.295	0.295	0.295	74.1	429.616	0.000	0.000	5.6	273.549	78.939
FEH: 2 years: +0 %: 480 mins: Winter	25.746	25.746	25.746	0.296	0.296	0.296	48.0	430.971	0.000	0.000	5.6	275.093	78.873
FEH: 2 years: +0 %: 600 mins: Summer	25.751	25.751	25.751	0.301	0.301	0.301	64.0	438.391	0.000	0.000	5.6	343.070	78.509
FEH: 2 years: +0 %: 600 mins: Winter	25.752	25.752	25.752	0.302	0.302	0.302	41.1	440.482	0.000	0.000	5.6	344.915	78.407
FEH: 2 years: +0 %: 720 mins: Summer	25.755	25.755	25.755	0.305	0.305	0.305	56.2	444.123	0.000	0.000	5.6	411.967	78.228
FEH: 2 years: +0 %: 720 mins: Winter	25.756	25.756	25.756	0.306	0.306	0.306	36.2	445.046	0.000	0.000	5.6	414.143	78.183
FEH: 2 years: +0 %: 960 mins: Summer	25.759	25.759	25.759	0.309	0.309	0.309	45.9	450.303	0.000	0.000	5.6	545.954	77.925

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

FEH: 2 years: +0 %: 960 mins: Winter	25.757	25.757	25.757	0.307	0.307	0.307	29.6	447.251	0.000	0.000	5.6	548.742	78.075
FEH: 2 years: +0 %: 1440 mins: Summer	25.761	25.761	25.761	0.311	0.311	0.311	34.7	452.406	0.000	0.000	5.6	731.229	77.822
FEH: 2 years: +0 %: 1440 mins: Winter	25.755	25.755	25.755	0.305	0.305	0.305	22.4	443.563	0.000	0.000	5.6	731.852	78.256
FEH: 2 years: +0 %: 2160 mins: Summer	25.754	25.754	25.754	0.304	0.304	0.304	26.2	442.707	0.000	0.000	5.6	851.196	78.297
FEH: 2 years: +0 %: 2160 mins: Winter	25.739	25.739	25.739	0.289	0.289	0.289	16.9	421.095	0.000	0.000	5.6	851.644	79.357
FEH: 2 years: +0 %: 2880 mins: Summer	25.744	25.744	25.744	0.294	0.294	0.294	21.5	428.483	0.000	0.000	5.6	940.193	78.995
FEH: 2 years: +0 %: 2880 mins: Winter	25.719	25.719	25.719	0.269	0.269	0.269	13.9	392.436	0.000	0.000	5.6	940.242	80.762
FEH: 2 years: +0 %: 4320 mins: Summer	25.723	25.723	25.723	0.273	0.273	0.273	16.5	397.865	0.000	0.000	5.6	1085.700	80.496

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

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

FEH: 2 years: +0 %: 4320 mins: Winter	25.680	25.680	25.680	0.230	0.230	0.230	10.6	334.593	0.000	0.000	5.6	1085.278	83.598
FEH: 2 years: +0 %: 5760 mins: Summer	25.703	25.703	25.703	0.253	0.253	0.253	13.8	368.672	0.000	0.000	5.6	1210.504	81.927
FEH: 2 years: +0 %: 5760 mins: Winter	25.645	25.645	25.645	0.195	0.195	0.195	8.9	283.694	0.000	0.000	5.5	1210.666	86.093
FEH: 2 years: +0 %: 7200 mins: Summer	25.686	25.686	25.686	0.236	0.236	0.236	12.1	343.293	0.000	0.000	5.6	1325.516	83.171
FEH: 2 years: +0 %: 7200 mins: Winter	25.616	25.616	25.616	0.166	0.166	0.166	7.8	241.411	0.000	0.000	5.4	1324.940	88.165
FEH: 2 years: +0 %: 8640 mins: Summer	25.670	25.670	25.670	0.220	0.220	0.220	10.9	320.527	0.000	0.000	5.5	1435.930	84.287
FEH: 2 years: +0 %: 8640 mins: Winter	25.592	25.592	25.592	0.142	0.142	0.142	7.0	206.252	0.000	0.000	5.3	1434.433	89.889
FEH: 2 years: +0 %: 10080 mins: Summer	25.656	25.656	25.656	0.206	0.206	0.206	10.0	299.712	0.000	0.000	5.5	1540.409	85.307

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

FEH: 2 years: +0 %: 10080 mins: Winter	25.572	25.572	25.572	0.122	0.122	0.122	6.5	177.858	0.000	0.000	5.2	1538.395	91.281

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

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



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

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 30 years: +0 %: 15 mins: Summer	25.679	25.679	25.679	0.229	0.229	0.229	662.0	333.032	0.000	0.000	8.1	7.840	83.674
FEH: 30 years: +0 %: 15 mins: Winter	25.679	25.679	25.679	0.229	0.229	0.229	627.6	332.937	0.000	0.000	6.9	7.890	83.679
FEH: 30 years: +0 %: 30 mins: Summer	25.746	25.746	25.746	0.296	0.296	0.296	506.5	431.453	0.000	0.000	6.0	16.571	78.849
FEH: 30 years: +0 %: 30 mins: Winter	25.746	25.746	25.746	0.296	0.296	0.296	476.2	431.367	0.000	0.000	5.9	16.670	78.853
FEH: 30 years: +0 %: 60 mins: Summer	25.816	25.816	25.816	0.366	0.366	0.366	441.0	533.594	0.000	0.000	5.9	34.134	73.842

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FEH: 30 years: +0 %: 60 mins: Winter	25.816	25.816	25.816	0.366	0.366	0.366	357.2	533.576	0.000	0.000	5.9	34.270	73.843
FEH: 30 years: +0 %: 120 mins: Summer	25.871	25.871	25.871	0.421	0.421	0.421	309.6	613.124	0.000	0.000	5.8	69.267	69.943
FEH: 30 years: +0 %: 120 mins: Winter	25.871	25.871	25.871	0.421	0.421	0.421	222.3	613.256	0.000	0.000	5.7	69.479	69.937
FEH: 30 years: +0 %: 180 mins: Summer	25.904	25.904	25.904	0.454	0.454	0.454	239.8	661.025	0.000	0.000	5.8	104.335	67.595
FEH: 30 years: +0 %: 180 mins: Winter	25.904	25.904	25.904	0.454	0.454	0.454	165.5	660.997	0.000	0.000	5.7	104.588	67.596
FEH: 30 years: +0 %: 240 mins: Summer	25.927	25.927	25.927	0.477	0.477	0.477	197.3	694.287	0.000	0.000	5.7	139.661	65.964
FEH: 30 years: +0 %: 240 mins: Winter	25.927	25.927	25.927	0.477	0.477	0.477	133.2	694.703	0.000	0.000	5.7	139.848	65.944
FEH: 30 years: +0 %: 360 mins: Summer	25.956	25.956	25.956	0.506	0.506	0.506	148.5	737.630	0.000	0.000	5.7	209.827	63.840

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FEH: 30 years: +0 %: 360 mins: Winter	25.957	25.957	25.957	0.507	0.507	0.507	97.9	738.437	0.000	0.000	5.7	210.173	63.800
FEH: 30 years: +0 %: 480 mins: Summer	25.975	25.975	25.975	0.525	0.525	0.525	122.4	764.982	0.000	0.000	5.7	280.162	62.499
FEH: 30 years: +0 %: 480 mins: Winter	25.976	25.976	25.976	0.526	0.526	0.526	79.1	766.527	0.000	0.000	5.7	280.619	62.423
FEH: 30 years: +0 %: 600 mins: Summer	25.988	25.988	25.988	0.538	0.538	0.538	103.6	783.106	0.000	0.000	5.7	350.688	61.610
FEH: 30 years: +0 %: 600 mins: Winter	25.989	25.989	25.989	0.539	0.539	0.539	66.5	785.125	0.000	0.000	5.6	351.296	61.511
FEH: 30 years: +0 %: 720 mins: Summer	25.996	25.996	25.996	0.546	0.546	0.546	89.3	795.152	0.000	0.000	5.7	421.454	61.020
FEH: 30 years: +0 %: 720 mins: Winter	25.998	25.998	25.998	0.548	0.548	0.548	58.0	797.641	0.000	0.000	5.6	422.250	60.898
FEH: 30 years: +0 %: 960 mins: Summer	26.004	26.004	26.004	0.554	0.554	0.554	72.8	806.487	0.000	0.000	5.6	563.818	60.464

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

FEH: 30 years: +0 %: 960 mins: Winter	26.006	26.006	26.006	0.556	0.556	0.556	46.7	810.345	0.000	0.000	5.6	565.115	60.275
FEH: 30 years: +0 %: 1440 mins: Summer	26.003	26.003	26.003	0.553	0.553	0.553	53.5	804.660	0.000	0.000	5.6	850.635	60.554
FEH: 30 years: +0 %: 1440 mins: Winter	26.005	26.005	26.005	0.555	0.555	0.555	34.5	808.927	0.000	0.000	5.6	853.497	60.345
FEH: 30 years: +0 %: 2160 mins: Summer	25.993	25.993	25.993	0.543	0.543	0.543	39.9	790.388	0.000	0.000	5.6	1259.373	61.253
FEH: 30 years: +0 %: 2160 mins: Winter	25.988	25.988	25.988	0.538	0.538	0.538	25.7	783.341	0.000	0.000	5.6	1264.309	61.599
FEH: 30 years: +0 %: 2880 mins: Summer	25.981	25.981	25.981	0.531	0.531	0.531	32.3	773.013	0.000	0.000	5.6	1425.300	62.105
FEH: 30 years: +0 %: 2880 mins: Winter	25.968	25.968	25.968	0.518	0.518	0.518	20.9	755.097	0.000	0.000	5.6	1426.122	62.983
FEH: 30 years: +0 %: 4320 mins: Summer	25.957	25.957	25.957	0.507	0.507	0.507	24.4	738.062	0.000	0.000	5.6	1621.227	63.819

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

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

FEH: 30 years: +0 %: 4320 mins: Winter	25.924	25.924	25.924	0.474	0.474	0.474	15.7	689.686	0.000	0.000	5.6	1621.502	66.190
FEH: 30 years: +0 %: 5760 mins: Summer	25.934	25.934	25.934	0.484	0.484	0.484	20.1	704.689	0.000	0.000	5.6	1782.569	65.455
FEH: 30 years: +0 %: 5760 mins: Winter	25.878	25.878	25.878	0.428	0.428	0.428	13.0	624.037	0.000	0.000	5.6	1782.292	69.408
FEH: 30 years: +0 %: 7200 mins: Summer	25.913	25.913	25.913	0.463	0.463	0.463	17.5	674.166	0.000	0.000	5.6	1929.056	66.951
FEH: 30 years: +0 %: 7200 mins: Winter	25.837	25.837	25.837	0.387	0.387	0.387	11.3	562.886	0.000	0.000	5.6	1929.014	72.406
FEH: 30 years: +0 %: 8640 mins: Summer	25.893	25.893	25.893	0.443	0.443	0.443	15.6	645.653	0.000	0.000	5.6	2066.230	68.349
FEH: 30 years: +0 %: 8640 mins: Winter	25.798	25.798	25.798	0.348	0.348	0.348	10.1	506.798	0.000	0.000	5.6	2065.295	75.156
FEH: 30 years: +0 %: 10080 mins: Summer	25.875	25.875	25.875	0.425	0.425	0.425	14.3	619.237	0.000	0.000	5.6	2198.758	69.644

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

FEH: 30 years: +0 %: 10080 mins: Winter	25.764	25.764	25.764	0.314	0.314	0.314	9.2	457.444	0.000	0.000	5.6	2200.365	77.575

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

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

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

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 30 years: +40 %: 15 mins: Summer	25.770	25.770	25.770	0.320	0.320	0.320	933.8	466.264	0.000	0.000	6.8	8.295	77.143
FEH: 30 years: +40 %: 15 mins: Winter	25.770	25.770	25.770	0.320	0.320	0.320	892.2	466.226	0.000	0.000	7.3	8.361	77.145
FEH: 30 years: +40 %: 30 mins: Summer	25.865	25.865	25.865	0.415	0.415	0.415	712.9	603.991	0.000	0.000	6.5	17.296	70.391
FEH: 30 years: +40 %: 30 mins: Winter	25.865	25.865	25.865	0.415	0.415	0.415	669.4	603.890	0.000	0.000	6.2	17.392	70.396
FEH: 30 years: +40 %: 60 mins: Summer	25.963	25.963	25.963	0.513	0.513	0.513	621.7	747.370	0.000	0.000	6.1	35.416	63.362

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

FEH: 30 years: +40 %: 60 mins: Winter	25.963	25.963	25.963	0.513	0.513	0.513	495.5	747.281	0.000	0.000	6.0	35.170	63.367
FEH: 30 years: +40 %: 120 mins: Summer	26.041	26.041	26.041	0.591	0.591	0.591	423.9	861.178	0.000	0.000	5.9	68.609	57.783
FEH: 30 years: +40 %: 120 mins: Winter	26.041	26.041	26.041	0.591	0.591	0.591	309.1	861.131	0.000	0.000	5.8	68.275	57.785
FEH: 30 years: +40 %: 180 mins: Summer	26.090	26.090	26.090	0.640	0.640	0.640	333.6	932.767	0.000	0.000	5.8	100.682	54.274
FEH: 30 years: +40 %: 180 mins: Winter	26.090	26.090	26.090	0.640	0.640	0.640	229.9	932.723	0.000	0.000	5.8	100.074	54.276
FEH: 30 years: +40 %: 240 mins: Summer	26.127	26.127	26.127	0.677	0.677	0.677	275.9	985.225	0.000	0.000	5.8	130.433	51.702
FEH: 30 years: +40 %: 240 mins: Winter	26.127	26.127	26.127	0.677	0.677	0.677	185.3	985.436	0.000	0.000	5.7	129.877	51.692

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

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FEH: 30 years: +40 %: 360 mins: Summer	26.177	26.177	26.177	0.727	0.727	0.727	206.8	1059.049	0.000	0.000	5.7	191.111	48.083
FEH: 30 years: +40 %: 360 mins: Winter	26.178	26.178	26.178	0.728	0.728	0.728	136.3	1059.733	0.000	0.000	5.7	191.040	48.049
FEH: 30 years: +40 %: 480 mins: Summer	26.212	26.212	26.212	0.762	0.762	0.762	167.3	1109.951	0.000	0.000	5.7	256.076	45.588
FEH: 30 years: +40 %: 480 mins: Winter	26.213	26.213	26.213	0.763	0.763	0.763	109.1	1111.054	0.000	0.000	5.7	256.349	45.534
FEH: 30 years: +40 %: 600 mins: Summer	26.238	26.238	26.238	0.788	0.788	0.788	143.0	1147.438	0.000	0.000	5.7	322.413	43.750
FEH: 30 years: +40 %: 600 mins: Winter	26.239	26.239	26.239	0.789	0.789	0.789	91.7	1148.995	0.000	0.000	5.7	322.672	43.674
FEH: 30 years: +40 %: 720 mins: Summer	26.257	26.257	26.257	0.807	0.807	0.807	124.2	1175.920	0.000	0.000	5.7	388.971	42.354

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FEH: 30 years: +40 %: 720 mins: Winter	26.259	26.259	26.259	0.809	0.809	0.809	80.2	1177.999	0.000	0.000	5.6	389.153	42.252
FEH: 30 years: +40 %: 960 mins: Summer	26.284	26.284	26.284	0.834	0.834	0.834	100.3	1214.587	0.000	0.000	5.6	522.321	40.458
FEH: 30 years: +40 %: 960 mins: Winter	26.286	26.286	26.286	0.836	0.836	0.836	64.6	1218.051	0.000	0.000	5.6	522.344	40.288
FEH: 30 years: +40 %: 1440 mins: Summer	26.309	26.309	26.309	0.859	0.859	0.859	74.2	1251.345	0.000	0.000	5.6	793.516	38.656
FEH: 30 years: +40 %: 1440 mins: Winter	26.314	26.314	26.314	0.864	0.864	0.864	47.9	1257.909	0.000	0.000	5.6	793.379	38.334
FEH: 30 years: +40 %: 2160 mins: Summer	26.310	26.310	26.310	0.860	0.860	0.860	55.1	1252.693	0.000	0.000	5.6	1214.262	38.590
FEH: 30 years: +40 %: 2160 mins: Winter	26.318	26.318	26.318	0.868	0.868	0.868	35.6	1264.629	0.000	0.000	5.6	1215.104	38.005

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

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

FEH: 30 years: +40 %: 2880 mins: Summer	26.303	26.303	26.303	0.853	0.853	0.853	44.8	1242.538	0.000	0.000	5.6	1642.870	39.088
FEH: 30 years: +40 %: 2880 mins: Winter	26.304	26.304	26.304	0.854	0.854	0.854	28.9	1244.230	0.000	0.000	5.6	1646.787	39.005
FEH: 30 years: +40 %: 4320 mins: Summer	26.289	26.289	26.289	0.839	0.839	0.839	33.7	1222.089	0.000	0.000	5.6	2258.912	40.090
FEH: 30 years: +40 %: 4320 mins: Winter	26.277	26.277	26.277	0.827	0.827	0.827	21.8	1204.548	0.000	0.000	5.6	2259.147	40.950
FEH: 30 years: +40 %: 5760 mins: Summer	26.279	26.279	26.279	0.829	0.829	0.829	27.8	1206.925	0.000	0.000	5.6	2493.926	40.834
FEH: 30 years: +40 %: 5760 mins: Winter	26.250	26.250	26.250	0.800	0.800	0.800	18.0	1165.364	0.000	0.000	5.6	2494.516	42.871
FEH: 30 years: +40 %: 7200 mins: Summer	26.271	26.271	26.271	0.821	0.821	0.821	24.1	1195.437	0.000	0.000	5.6	2700.991	41.397

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

FEH: 30 years: +40 %: 7200 mins: Winter	26.222	26.222	26.222	0.772	0.772	0.772	15.6	1124.817	0.000	0.000	5.6	2701.368	44.859
FEH: 30 years: +40 %: 8640 mins: Summer	26.264	26.264	26.264	0.814	0.814	0.814	21.5	1184.743	0.000	0.000	5.6	2892.988	41.921
FEH: 30 years: +40 %: 8640 mins: Winter	26.194	26.194	26.194	0.744	0.744	0.744	13.9	1083.403	0.000	0.000	5.6	2893.679	46.889
FEH: 30 years: +40 %: 10080 mins: Summer	26.257	26.257	26.257	0.807	0.807	0.807	19.6	1175.871	0.000	0.000	5.6	3077.240	42.356
FEH: 30 years: +40 %: 10080 mins: Winter	26.166	26.166	26.166	0.716	0.716	0.716	12.7	1042.078	0.000	0.000	5.6	3078.123	48.915

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

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Tank: Rank By: Max. Avg. Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 100 years: +45 %: 15 mins: Summer	25.863	25.863	25.863	0.413	0.413	0.413	1148.9	601.628	0.000	0.000	6.7	8.677	70.507
FEH: 100 years: +45 %: 15 mins: Winter	25.863	25.863	25.863	0.413	0.413	0.413	1093.1	601.154	0.000	0.000	6.3	8.749	70.530
FEH: 100 years: +45 %: 30 mins: Summer	25.989	25.989	25.989	0.539	0.539	0.539	859.7	785.476	0.000	0.000	6.6	18.860	61.494
FEH: 100 years: +45 %: 30 mins: Winter	25.989	25.989	25.989	0.539	0.539	0.539	826.3	785.346	0.000	0.000	6.5	18.897	61.501

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

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

FEH: 100 years: +45 %: 60 mins: Summer	26.119	26.119	26.119	0.669	0.669	0.669	774.5	974.693	0.000	0.000	6.2	35.054	52.218
FEH: 100 years: +45 %: 60 mins: Winter	26.119	26.119	26.119	0.669	0.669	0.669	645.4	974.609	0.000	0.000	6.1	34.572	52.222
FEH: 100 years: +45 %: 120 mins: Summer	26.214	26.214	26.214	0.764	0.764	0.764	551.8	1112.963	0.000	0.000	6.0	66.642	45.440
FEH: 100 years: +45 %: 120 mins: Winter	26.214	26.214	26.214	0.764	0.764	0.764	396.2	1113.018	0.000	0.000	5.9	66.039	45.437
FEH: 100 years: +45 %: 180 mins: Summer	26.275	26.275	26.275	0.825	0.825	0.825	422.7	1202.084	0.000	0.000	5.9	99.945	41.071
FEH: 100 years: +45 %: 180 mins: Winter	26.276	26.276	26.276	0.826	0.826	0.826	292.1	1202.248	0.000	0.000	5.8	99.830	41.063

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

FEH: 100 years: +45 %: 240 mins: Summer	26.321	26.321	26.321	0.871	0.871	0.871	348.7	1268.743	0.000	0.000	5.8	135.262	37.803
FEH: 100 years: +45 %: 240 mins: Winter	26.321	26.321	26.321	0.871	0.871	0.871	235.8	1269.062	0.000	0.000	5.7	134.784	37.788
FEH: 100 years: +45 %: 360 mins: Summer	26.388	26.388	26.388	0.938	0.938	0.938	258.2	1366.635	0.000	0.000	5.7	207.611	33.004
FEH: 100 years: +45 %: 360 mins: Winter	26.389	26.389	26.389	0.939	0.939	0.939	171.3	1367.987	0.000	0.000	5.7	206.294	32.938
FEH: 100 years: +45 %: 480 mins: Summer	26.437	26.437	26.437	0.987	0.987	0.987	212.3	1437.650	0.000	0.000	5.7	281.179	29.523
FEH: 100 years: +45 %: 480 mins: Winter	26.439	26.439	26.439	0.989	0.989	0.989	136.8	1439.932	0.000	0.000	5.7	279.234	29.411

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

FEH: 100 years: +45 %: 600 mins: Summer	26.475	26.475	26.475	1.025	1.025	1.025	178.3	1492.350	0.000	0.000	5.7	355.016	26.842
FEH: 100 years: +45 %: 600 mins: Winter	26.477	26.477	26.477	1.027	1.027	1.027	115.1	1495.731	0.000	0.000	5.7	352.885	26.676
FEH: 100 years: +45 %: 720 mins: Summer	26.505	26.505	26.505	1.055	1.055	1.055	155.0	1535.801	0.000	0.000	5.7	429.121	24.712
FEH: 100 years: +45 %: 720 mins: Winter	26.508	26.508	26.508	1.058	1.058	1.058	100.2	1540.192	0.000	0.000	5.6	426.828	24.496
FEH: 100 years: +45 %: 960 mins: Summer	26.548	26.548	26.548	1.098	1.098	1.098	125.3	1599.515	0.000	0.000	5.6	577.625	21.588
FEH: 100 years: +45 %: 960 mins: Winter	26.553	26.553	26.553	1.103	1.103	1.103	80.8	1606.124	0.000	0.000	5.6	574.810	21.264

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

FEH: 100 years: +45 %: 1440 mins: Summer	26.597	26.597	26.597	1.147	1.147	1.147	92.7	1669.861	0.000	0.000	5.6	871.971	18.140
FEH: 100 years: +45 %: 1440 mins: Winter	26.605	26.605	26.605	1.155	1.155	1.155	59.8	1681.428	0.000	0.000	5.6	867.711	17.573
FEH: 100 years: +45 %: 2160 mins: Summer	26.615	26.615	26.615	1.165	1.165	1.165	68.7	1697.234	0.000	0.000	5.7	1295.623	16.798
FEH: 100 years: +45 %: 2160 mins: Winter	26.630	26.630	26.630	1.180	1.180	1.180	44.3	1717.952	0.000	0.000	5.7	1290.161	15.782
FEH: 100 years: +45 %: 2880 mins: Summer	26.610	26.610	26.610	1.160	1.160	1.160	55.7	1689.000	0.000	0.000	5.6	1707.463	17.201
FEH: 100 years: +45 %: 2880 mins: Winter	26.625	26.625	26.625	1.175	1.175	1.175	36.0	1711.406	0.000	0.000	5.7	1700.899	16.103

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

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

FEH: 100 years: +45 %: 4320 mins: Summer	26.591	26.591	26.591	1.141	1.141	1.141	41.7	1662.342	0.000	0.000	5.6	2574.462	18.508
FEH: 100 years: +45 %: 4320 mins: Winter	26.594	26.594	26.594	1.144	1.144	1.144	26.9	1665.825	0.000	0.000	5.6	2571.160	18.337
FEH: 100 years: +45 %: 5760 mins: Summer	26.575	26.575	26.575	1.125	1.125	1.125	34.0	1638.957	0.000	0.000	5.6	3109.819	19.655
FEH: 100 years: +45 %: 5760 mins: Winter	26.564	26.564	26.564	1.114	1.114	1.114	22.0	1622.857	0.000	0.000	5.6	3109.820	20.444
FEH: 100 years: +45 %: 7200 mins: Summer	26.563	26.563	26.563	1.113	1.113	1.113	29.2	1620.293	0.000	0.000	5.6	3346.063	20.570
FEH: 100 years: +45 %: 7200 mins: Winter	26.535	26.535	26.535	1.085	1.085	1.085	18.9	1580.384	0.000	0.000	5.6	3345.500	22.526

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

FEH: 100 years: +45 %: 8640 mins: Summer	26.552	26.552	26.552	1.102	1.102	1.102	25.9	1605.055	0.000	0.000	5.6	3558.106	21.317
FEH: 100 years: +45 %: 8640 mins: Winter	26.506	26.506	26.506	1.056	1.056	1.056	16.8	1537.990	0.000	0.000	5.6	3557.438	24.604
FEH: 100 years: +45 %: 10080 mins: Summer	26.543	26.543	26.543	1.093	1.093	1.093	23.5	1591.131	0.000	0.000	5.6	3757.292	21.999
FEH: 100 years: +45 %: 10080 mins: Winter	26.480	26.480	26.480	1.030	1.030	1.030	15.2	1499.552	0.000	0.000	5.6	3758.465	26.489

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

FEH: 200 years: Increase Rainfall (%): +45: Summary Results for Tank: Rank By: Max. Avg. Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)
FEH: 200 years: +45 %: 15 mins: Summer	25.912	25.912	25.912	0.462	0.462	0.462	1271.8	672.998	0.000	0.000	6.2	9.291	67.008
FEH: 200 years: +45 %: 15 mins: Winter	25.912	25.912	25.912	0.462	0.462	0.462	1208.1	673.106	0.000	0.000	6.6	9.385	67.003
FEH: 200 years: +45 %: 30 mins: Summer	26.057	26.057	26.057	0.607	0.607	0.607	921.7	884.011	0.000	0.000	6.4	18.168	56.664
FEH: 200 years: +45 %: 30 mins: Winter	26.057	26.057	26.057	0.607	0.607	0.607	900.4	883.901	0.000	0.000	6.3	18.348	56.669

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

FEH: 200 years: +45 %: 60 mins: Summer	26.207	26.207	26.207	0.757	0.757	0.757	837.3	1102.970	0.000	0.000	6.3	36.100	45.930
FEH: 200 years: +45 %: 60 mins: Winter	26.207	26.207	26.207	0.757	0.757	0.757	722.2	1102.958	0.000	0.000	6.2	35.222	45.930
FEH: 200 years: +45 %: 120 mins: Summer	26.314	26.314	26.314	0.864	0.864	0.864	622.0	1258.532	0.000	0.000	6.0	68.961	38.304
FEH: 200 years: +45 %: 120 mins: Winter	26.314	26.314	26.314	0.864	0.864	0.864	443.2	1258.720	0.000	0.000	5.9	68.623	38.295
FEH: 200 years: +45 %: 180 mins: Summer	26.385	26.385	26.385	0.935	0.935	0.935	472.6	1362.328	0.000	0.000	5.9	105.198	33.216
FEH: 200 years: +45 %: 180 mins: Winter	26.386	26.386	26.386	0.936	0.936	0.936	327.3	1362.709	0.000	0.000	5.8	104.320	33.197

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

FEH: 200 years: +45 %: 240 mins: Summer	26.440	26.440	26.440	0.990	0.990	0.990	383.2	1442.033	0.000	0.000	5.8	142.780	29.308
FEH: 200 years: +45 %: 240 mins: Winter	26.441	26.441	26.441	0.991	0.991	0.991	263.4	1442.720	0.000	0.000	5.8	140.574	29.275
FEH: 200 years: +45 %: 360 mins: Summer	26.523	26.523	26.523	1.073	1.073	1.073	289.2	1563.013	0.000	0.000	5.7	218.143	23.378
FEH: 200 years: +45 %: 360 mins: Winter	26.525	26.525	26.525	1.075	1.075	1.075	191.6	1564.925	0.000	0.000	5.7	216.435	23.284
FEH: 200 years: +45 %: 480 mins: Summer	26.585	26.585	26.585	1.135	1.135	1.135	237.8	1652.314	0.000	0.000	5.7	295.545	19.000
FEH: 200 years: +45 %: 480 mins: Winter	26.587	26.587	26.587	1.137	1.137	1.137	154.6	1655.350	0.000	0.000	5.7	293.722	18.851

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

FEH: 200 years: +45 %: 600 mins: Summer	26.632	26.632	26.632	1.182	1.182	1.182	202.8	1721.779	0.000	0.000	5.7	374.569	15.594
FEH: 200 years: +45 %: 600 mins: Winter	26.635	26.635	26.635	1.185	1.185	1.185	130.7	1726.065	0.000	0.000	5.7	371.921	15.384
FEH: 200 years: +45 %: 720 mins: Summer	26.671	26.671	26.671	1.221	1.221	1.221	177.0	1777.516	0.000	0.000	5.8	453.800	12.862
FEH: 200 years: +45 %: 720 mins: Winter	26.674	26.674	26.674	1.224	1.224	1.224	114.1	1783.042	0.000	0.000	5.8	450.605	12.591
FEH: 200 years: +45 %: 960 mins: Summer	26.728	26.728	26.728	1.278	1.278	1.278	143.2	1860.553	0.000	0.000	5.9	612.765	8.791
FEH: 200 years: +45 %: 960 mins: Winter	26.733	26.733	26.733	1.283	1.283	1.283	92.4	1868.582	0.000	0.000	5.9	608.472	8.398

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

FEH: 200 years: +45 %: 1440 mins: Summer	26.794	26.794	26.794	1.344	1.344	1.344	106.5	1956.732	0.000	0.000	6.0	928.532	4.077
FEH: 200 years: +45 %: 1440 mins: Winter	26.803	26.803	26.803	1.353	1.353	1.353	68.7	1970.479	0.000	0.000	6.0	922.226	3.403
FEH: 200 years: +45 %: 2160 mins: Summer	26.825	26.825	26.825	1.375	1.375	1.375	79.2	2001.939	0.000	0.000	6.1	1384.908	1.860
FEH: 200 years: +45 %: 2160 mins: Winter	26.841	26.841	26.841	1.391	1.391	1.391	51.0	2025.931	0.000	0.000	6.1	1376.488	0.684
FEH: 200 years: +45 %: 2880 mins: Summer	26.820	26.820	26.820	1.370	1.370	1.370	64.1	1994.619	0.000	0.000	6.1	1814.387	2.219
FEH: 200 years: +45 %: 2880 mins: Winter	26.842	26.842	26.842	1.392	1.392	1.392	41.3	2026.568	0.000	0.000	6.1	1805.089	0.653

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

FEH: 200 years: +45 %: 4320 mins: Summer	26.794	26.794	26.794	1.344	1.344	1.344	47.5	1958.039	0.000	0.000	6.0	2658.185	4.012
FEH: 200 years: +45 %: 4320 mins: Winter	26.803	26.803	26.803	1.353	1.353	1.353	30.6	1970.280	0.000	0.000	6.0	2647.745	3.412
FEH: 200 years: +45 %: 5760 mins: Summer	26.770	26.770	26.770	1.320	1.320	1.320	38.5	1922.145	0.000	0.000	6.0	3478.839	5.772
FEH: 200 years: +45 %: 5760 mins: Winter	26.768	26.768	26.768	1.318	1.318	1.318	24.8	1918.808	0.000	0.000	6.0	3477.745	5.936
FEH: 200 years: +45 %: 7200 mins: Summer	26.749	26.749	26.749	1.299	1.299	1.299	32.9	1892.048	0.000	0.000	5.9	3748.906	7.248
FEH: 200 years: +45 %: 7200 mins: Winter	26.731	26.731	26.731	1.281	1.281	1.281	21.2	1865.259	0.000	0.000	5.9	3746.453	8.561

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

FEH: 200 years: +45 %: 8640 mins: Summer	26.732	26.732	26.732	1.282	1.282	1.282	28.9	1867.208	0.000	0.000	5.9	3966.738	8.465
FEH: 200 years: +45 %: 8640 mins: Winter	26.697	26.697	26.697	1.247	1.247	1.247	18.7	1816.078	0.000	0.000	5.8	3965.709	10.972
FEH: 200 years: +45 %: 10080 mins: Summer	26.718	26.718	26.718	1.268	1.268	1.268	26.1	1847.047	0.000	0.000	5.9	4172.529	9.454
FEH: 200 years: +45 %: 10080 mins: Winter	26.664	26.664	26.664	1.214	1.214	1.214	16.8	1768.558	0.000	0.000	5.8	4171.607	13.301

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

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

5mm of Rainfall: Increase Rainfall (%): +0: Summary Results for Tank: Rank By: Max. Avg. Depth

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

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.006-4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.880	0.130	87.698	4.5	0.36	169.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.874	0.127	87.717	4.4	0.34	160.8	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.848	0.136	112.676	3.9	0.28	130.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.842	0.132	112.706	3.8	0.26	122.1	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.834	0.136	139.850	3.3	0.24	111.8	OK

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

FEH: 2 years: +0 %: 60 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.814	0.130	139.849	3.0	0.19	90.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.811	0.140	180.531	2.5	0.18	85.6	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.786	0.136	180.559	2.3	0.13	61.6	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.795	0.144	207.234	2.0	0.15	69.3	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.771	0.141	207.202	2.1	0.1	47.8	OK
FEH: 2 years: +0 %: 240 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.785	0.157	227.593	1.9	0.12	58.9	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.761	0.157	227.562	1.9	0.08	39.6	OK

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

FEH: 2 years: +0 %: 360 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.770	0.177	258.529	1.7	0.1	45.7	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.747	0.177	258.547	1.7	0.06	30.3	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.761	0.188	282.585	1.6	0.08	38.3	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.746	0.189	282.590	1.6	0.05	24.8	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.751	0.194	302.522	1.6	0.07	33.1	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.753	0.196	302.516	1.5	0.04	21.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.755	0.198	319.720	1.5	0.06	29.0	OK

FEH: 2 years: +0 %: 720 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.756	0.199	319.753	1.4	0.04	18.7	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.759	0.202	348.530	1.4	0.05	23.7	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.757	0.200	348.563	1.3	0.03	15.3	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.761	0.204	394.294	1.3	0.04	17.9	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.755	0.198	394.297	1.2	0.02	11.5	OK
FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.754	0.197	446.856	1.2	0.03	13.5	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.739	0.182	446.956	1.0	0.02	8.7	OK

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

FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.744	0.187	490.149	1.1	0.02	11.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.720	0.163	489.990	1.0	0.02	7.2	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.724	0.166	563.012	1.0	0.02	8.5	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.696	0.127	562.703	0.8	0.01	5.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.704	0.147	627.143	1.0	0.02	7.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.693	0.109	627.379	0.8	0.01	4.6	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.698	0.130	685.671	0.9	0.01	6.2	OK

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

FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.692	0.095	685.788	0.7	0.01	4.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.696	0.122	743.096	0.9	0.01	5.6	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.690	0.082	742.084	0.7	0.01	3.6	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.695	0.115	796.783	0.9	0.01	5.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.689	0.073	795.363	0.7	0.01	3.4	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-4.000-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S12-4	Tank	27.975	25.748	0.093	23.469	2.4	0.14	38.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S12-4	Tank	27.975	25.745	0.092	23.466	2.4	0.14	37.0	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S12-4	Tank	27.975	25.739	0.099	30.273	2.0	0.13	34.9	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S12-4	Tank	27.975	25.736	0.098	30.267	2.0	0.12	32.8	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S12-4	Tank	27.975	25.731	0.105	37.586	1.6	0.11	30.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S12-4	Tank	27.975	25.721	0.102	37.580	1.5	0.09	24.1	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S12-4	Tank	27.975	25.719	0.126	48.497	1.2	0.08	22.9	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S12-4	Tank	27.975	25.705	0.126	48.504	1.3	0.06	16.8	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S12-4	Tank	27.975	25.707	0.151	55.615	1.2	0.07	19.0	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S12-4	Tank	27.975	25.696	0.151	55.592	1.2	0.05	12.9	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S12-4	Tank	27.975	25.713	0.168	61.055	1.1	0.06	15.8	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S12-4	Tank	27.975	25.713	0.168	61.059	1.1	0.04	10.7	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S12-4	Tank	27.975	25.734	0.189	69.417	1.0	0.05	12.3	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S12-4	Tank	27.975	25.734	0.189	69.386	1.0	0.03	8.1	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S12-4	Tank	27.975	25.745	0.200	75.946	1.0	0.04	10.3	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S12-4	Tank	27.975	25.746	0.201	75.921	0.9	0.02	6.7	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S12-4	Tank	27.975	25.751	0.206	81.293	0.9	0.03	8.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S12-4	Tank	27.975	25.752	0.207	81.281	0.9	0.02	5.7	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S12-4	Tank	27.975	25.755	0.210	85.907	0.9	0.03	7.8	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S12-4	Tank	27.975	25.756	0.211	85.918	0.8	0.02	5.0	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S12-4	Tank	27.975	25.759	0.214	93.681	0.8	0.02	6.4	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S12-4	Tank	27.975	25.757	0.212	93.609	0.8	0.02	4.1	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S12-4	Tank	27.975	25.761	0.216	105.950	0.8	0.02	4.8	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S12-4	Tank	27.975	25.755	0.210	105.829	0.7	0.01	3.1	OK

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

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S12-4	Tank	27.975	25.754	0.209	120.162	0.7	0.01	3.6	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S12-4	Tank	27.975	25.739	0.194	120.281	0.6	0.01	2.3	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S12-4	Tank	27.975	25.744	0.199	131.753	0.7	0.01	3.0	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S12-4	Tank	27.975	25.719	0.174	131.896	0.5	0.01	1.9	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S12-4	Tank	27.975	25.723	0.178	151.370	0.6	0.01	2.3	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S12-4	Tank	27.975	25.680	0.135	151.219	0.4	0.01	1.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S12-4	Tank	27.975	25.703	0.158	168.552	0.6	0.01	1.9	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S12-4	Tank	27.975	25.657	0.104	168.119	0.4	0	1.2	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S12-4	Tank	27.975	25.686	0.141	185.225	0.5	0.01	1.7	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S12-4	Tank	27.975	25.656	0.090	184.528	0.4	0	1.1	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S12-4	Tank	27.975	25.670	0.125	200.399	0.5	0.01	1.5	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S12-4	Tank	27.975	25.655	0.078	199.473	0.4	0	1.0	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S12-4	Tank	27.975	25.658	0.111	214.714	0.5	0.01	1.4	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S12-4	Tank	27.975	25.655	0.068	214.448	0.3	0	0.9	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.004- 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S04-4	S05-4	27.886	26.069	0.338	84.706	1.3	1.07	168.4	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S04-4	S05-4	27.886	26.056	0.326	84.727	1.3	1.01	159.6	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S04-4	S05-4	27.886	26.005	0.281	108.758	1.2	0.8	125.5	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S04-4	S05-4	27.886	25.994	0.271	108.782	1.2	0.75	117.8	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S04-4	S05-4	27.886	25.979	0.258	134.977	1.1	0.69	108.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S04-4	S05-4	27.886	25.947	0.229	134.966	1.1	0.55	86.8	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S04-4	S05-4	27.886	25.940	0.223	174.244	1.1	0.53	82.7	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S04-4	S05-4	27.886	25.901	0.187	174.275	1.0	0.38	59.5	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S04-4	S05-4	27.886	25.914	0.199	200.015	1.0	0.43	67.0	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S04-4	S05-4	27.886	25.876	0.164	199.991	0.9	0.29	46.2	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S04-4	S05-4	27.886	25.896	0.183	219.678	0.9	0.36	56.9	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S04-4	S05-4	27.886	25.859	0.149	219.666	0.8	0.24	38.3	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S04-4	S05-4	27.886	25.872	0.160	249.541	0.9	0.28	44.2	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S04-4	S05-4	27.886	25.839	0.129	249.577	0.8	0.19	29.1	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S04-4	S05-4	27.886	25.857	0.147	272.779	0.8	0.23	37.0	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S04-4	S05-4	27.886	25.825	0.116	272.780	0.7	0.15	23.9	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S04-4	S05-4	27.886	25.844	0.135	292.013	0.8	0.2	31.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S04-4	S05-4	27.886	25.816	0.108	292.004	0.7	0.13	20.5	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S04-4	S05-4	27.886	25.835	0.126	308.630	0.8	0.18	28.0	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S04-4	S05-4	27.886	25.809	0.101	308.666	0.7	0.11	18.1	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S04-4	S05-4	27.886	25.822	0.114	336.422	0.7	0.15	22.9	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S04-4	S05-4	27.886	25.798	0.092	336.470	0.6	0.09	14.8	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S04-4	S05-4	27.886	25.806	0.099	380.642	0.7	0.11	17.3	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S04-4	S05-4	27.886	25.786	0.081	380.642	0.6	0.07	11.1	OK

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

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S04-4	S05-4	27.886	25.793	0.087	431.376	0.6	0.08	13.1	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S04-4	S05-4	27.886	25.775	0.071	431.544	0.5	0.05	8.4	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S04-4	S05-4	27.886	25.784	0.079	473.166	0.6	0.07	10.7	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S04-4	S05-4	27.886	25.768	0.064	473.069	0.5	0.04	6.9	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S04-4	S05-4	27.886	25.774	0.070	543.449	0.5	0.05	8.2	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S04-4	S05-4	27.886	25.760	0.057	543.353	0.5	0.03	5.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S04-4	S05-4	27.886	25.768	0.064	605.381	0.5	0.04	6.9	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S04-4	S05-4	27.886	25.755	0.052	605.465	0.4	0.03	4.4	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S04-4	S05-4	27.886	25.764	0.060	661.907	0.5	0.04	6.0	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S04-4	S05-4	27.886	25.752	0.049	662.357	0.4	0.02	3.9	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S04-4	S05-4	27.886	25.761	0.057	717.167	0.5	0.03	5.4	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S04-4	S05-4	27.886	25.750	0.047	716.663	0.4	0.02	3.5	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S04-4	S05-4	27.886	25.759	0.055	768.719	0.4	0.03	5.0	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S04-4	S05-4	27.886	25.748	0.045	767.897	0.4	0.02	3.2	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.005-4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.996	0.262	87.723	1.8	1.09	173.1	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.987	0.254	87.744	1.8	1.03	164.1	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.948	0.222	112.654	1.7	0.82	130.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.939	0.214	112.684	1.6	0.77	122.1	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.927	0.204	139.812	1.6	0.7	111.9	OK

FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.901	0.181	139.812	1.5	0.57	90.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.895	0.177	180.490	1.5	0.54	85.6	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.863	0.148	180.520	1.4	0.39	61.6	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.874	0.158	207.202	1.4	0.44	69.4	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.842	0.130	207.171	1.3	0.3	47.8	OK
FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.859	0.145	227.569	1.3	0.37	58.9	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.828	0.118	227.538	1.2	0.25	39.6	OK

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

FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.839	0.128	258.508	1.2	0.29	45.8	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.810	0.102	258.526	1.2	0.19	30.2	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.826	0.117	282.563	1.2	0.24	38.3	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.798	0.090	282.569	1.1	0.16	24.8	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.815	0.106	302.499	1.2	0.21	33.0	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.790	0.082	302.495	1.1	0.13	21.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.806	0.096	319.698	1.2	0.18	29.0	OK

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

FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.784	0.081	319.734	1.0	0.12	18.7	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.795	0.087	348.510	1.1	0.15	23.7	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.776	0.082	348.545	1.0	0.1	15.3	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.782	0.085	394.278	1.0	0.11	17.9	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.765	0.080	394.283	0.9	0.07	11.5	OK
FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.771	0.079	446.839	0.9	0.08	13.5	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.756	0.066	446.938	0.8	0.05	8.7	OK

FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.764	0.070	490.132	0.9	0.07	11.1	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.750	0.051	489.972	0.8	0.05	7.2	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.755	0.054	563.000	0.8	0.05	8.5	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.743	0.043	562.691	0.7	0.03	5.5	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.750	0.049	627.132	0.8	0.04	7.1	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.739	0.040	627.371	0.7	0.03	4.6	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.747	0.046	685.661	0.7	0.04	6.2	OK

FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.736	0.037	685.781	0.6	0.03	4.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.744	0.044	743.087	0.7	0.04	5.6	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.734	0.036	742.079	0.6	0.02	3.6	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.742	0.042	796.775	0.7	0.03	5.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.733	0.035	795.359	0.6	0.02	3.4	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.002-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S02-4	S03-4	27.946	26.194	0.226	29.040	0.7	0.37	57.8	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S02-4	S03-4	27.946	26.187	0.217	29.061	0.7	0.35	54.9	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S02-4	S03-4	27.946	26.158	0.183	37.286	0.7	0.27	43.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S02-4	S03-4	27.946	26.151	0.175	37.304	0.7	0.26	40.4	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S02-4	S03-4	27.946	26.142	0.166	46.291	0.7	0.23	37.0	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S02-4	S03-4	27.946	26.124	0.146	46.273	0.7	0.19	29.8	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S02-4	S03-4	27.946	26.120	0.142	59.756	0.7	0.18	28.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S02-4	S03-4	27.946	26.097	0.119	59.757	0.6	0.13	20.4	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S02-4	S03-4	27.946	26.105	0.127	68.600	0.6	0.15	23.0	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S02-4	S03-4	27.946	26.083	0.104	68.565	0.6	0.1	15.8	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S02-4	S03-4	27.946	26.094	0.116	75.321	0.6	0.12	19.5	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S02-4	S03-4	27.946	26.073	0.094	75.310	0.5	0.08	13.1	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S02-4	S03-4	27.946	26.080	0.101	85.575	0.6	0.1	15.1	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S02-4	S03-4	27.946	26.062	0.082	85.582	0.5	0.06	10.0	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S02-4	S03-4	27.946	26.072	0.092	93.543	0.5	0.08	12.7	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S02-4	S03-4	27.946	26.055	0.074	93.533	0.5	0.05	8.2	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S02-4	S03-4	27.946	26.065	0.086	100.116	0.5	0.07	10.9	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S02-4	S03-4	27.946	26.050	0.069	100.144	0.5	0.04	7.0	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S02-4	S03-4	27.946	26.060	0.080	105.807	0.5	0.06	9.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S02-4	S03-4	27.946	26.046	0.065	105.827	0.4	0.04	6.2	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S02-4	S03-4	27.946	26.053	0.073	115.312	0.5	0.05	7.8	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S02-4	S03-4	27.946	26.041	0.059	115.325	0.4	0.03	5.1	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S02-4	S03-4	27.946	26.045	0.063	130.456	0.4	0.04	5.9	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S02-4	S03-4	27.946	26.034	0.051	130.499	0.4	0.02	3.8	OK

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

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S02-4	S03-4	27.946	26.037	0.055	147.964	0.4	0.03	4.5	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S02-4	S03-4	27.946	26.028	0.045	148.013	0.3	0.02	2.9	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S02-4	S03-4	27.946	26.033	0.050	162.148	0.4	0.02	3.7	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S02-4	S03-4	27.946	26.024	0.041	162.047	0.3	0.01	2.4	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S02-4	S03-4	27.946	26.027	0.044	186.082	0.3	0.02	2.8	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S02-4	S03-4	27.946	26.020	0.036	186.377	0.3	0.01	1.8	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S02-4	S03-4	27.946	26.024	0.041	207.580	0.3	0.01	2.4	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S02-4	S03-4	27.946	26.017	0.033	207.731	0.3	0.01	1.5	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S02-4	S03-4	27.946	26.022	0.038	226.960	0.3	0.01	2.1	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S02-4	S03-4	27.946	26.015	0.031	227.003	0.3	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S02-4	S03-4	27.946	26.020	0.036	245.650	0.3	0.01	1.9	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S02-4	S03-4	27.946	26.014	0.030	246.527	0.3	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S02-4	S03-4	27.946	26.019	0.035	263.801	0.3	0.01	1.7	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S02-4	S03-4	27.946	26.013	0.029	263.213	0.3	0.01	1.1	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.000- 4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S01-4	S02-4	27.945	26.230	0.197	20.516	0.7	0.28	44.9	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S01-4	S02-4	27.945	26.223	0.189	20.513	0.7	0.27	42.3	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S01-4	S02-4	27.945	26.192	0.159	26.289	0.6	0.19	30.3	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S01-4	S02-4	27.945	26.186	0.153	26.293	0.6	0.18	28.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S01-4	S02-4	27.945	26.178	0.145	32.613	0.6	0.16	26.1	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S01-4	S02-4	27.945	26.162	0.127	32.599	0.6	0.13	21.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S01-4	S02-4	27.945	26.159	0.124	42.095	0.6	0.13	20.0	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S01-4	S02-4	27.945	26.139	0.103	42.087	0.5	0.09	14.4	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S01-4	S02-4	27.945	26.146	0.110	48.315	0.5	0.1	16.2	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S01-4	S02-4	27.945	26.127	0.089	48.307	0.5	0.07	11.1	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S01-4	S02-4	27.945	26.137	0.100	53.054	0.5	0.09	13.7	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S01-4	S02-4	27.945	26.119	0.081	53.052	0.5	0.06	9.2	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S01-4	S02-4	27.945	26.125	0.087	60.265	0.5	0.07	10.7	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S01-4	S02-4	27.945	26.109	0.070	60.274	0.4	0.04	7.0	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S01-4	S02-4	27.945	26.117	0.079	65.886	0.5	0.06	8.9	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S01-4	S02-4	27.945	26.103	0.063	65.895	0.4	0.04	5.8	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S01-4	S02-4	27.945	26.112	0.073	70.533	0.5	0.05	7.7	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S01-4	S02-4	27.945	26.099	0.059	70.503	0.4	0.03	5.0	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S01-4	S02-4	27.945	26.108	0.069	74.537	0.4	0.04	6.8	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S01-4	S02-4	27.945	26.096	0.055	74.541	0.4	0.03	4.4	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S01-4	S02-4	27.945	26.102	0.062	81.239	0.4	0.03	5.5	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S01-4	S02-4	27.945	26.091	0.050	81.260	0.4	0.02	3.6	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S01-4	S02-4	27.945	26.095	0.054	91.894	0.4	0.03	4.2	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S01-4	S02-4	27.945	26.085	0.044	91.915	0.3	0.02	2.7	OK

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

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S01-4	S02-4	27.945	26.088	0.047	104.235	0.4	0.02	3.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S01-4	S02-4	27.945	26.080	0.039	104.281	0.3	0.01	2.0	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S01-4	S02-4	27.945	26.085	0.043	114.165	0.3	0.02	2.6	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S01-4	S02-4	27.945	26.077	0.035	114.175	0.3	0.01	1.7	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S01-4	S02-4	27.945	26.080	0.038	131.217	0.3	0.01	2.0	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S01-4	S02-4	27.945	26.073	0.031	131.419	0.3	0.01	1.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S01-4	S02-4	27.945	26.077	0.035	146.324	0.3	0.01	1.7	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S01-4	S02-4	27.945	26.071	0.029	146.437	0.3	0.01	1.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S01-4	S02-4	27.945	26.075	0.033	160.082	0.3	0.01	1.5	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S01-4	S02-4	27.945	26.070	0.027	159.936	0.2	0.01	0.9	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S01-4	S02-4	27.945	26.074	0.031	172.760	0.3	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S01-4	S02-4	27.945	26.068	0.025	172.848	0.2	0.01	0.8	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S01-4	S02-4	27.945	26.073	0.030	186.014	0.3	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S01-4	S02-4	27.945	26.068	0.025	185.922	0.2	0	0.8	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.007-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Tank	S07-4	27.850	25.563	0.164	6.551	0.4	0.14	5.3	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Tank	S07-4	27.850	25.563	0.164	6.568	0.4	0.14	5.3	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Tank	S07-4	27.850	25.594	0.195	14.594	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Tank	S07-4	27.850	25.594	0.195	14.650	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	Tank	S07-4	27.850	25.626	0.225	30.827	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	Tank	S07-4	27.850	25.626	0.225	31.095	0.3	0.15	5.5	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	Tank	S07-4	27.850	25.671	0.225	64.789	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	Tank	S07-4	27.850	25.670	0.225	65.351	0.3	0.15	5.6	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	Tank	S07-4	27.850	25.696	0.225	99.307	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	Tank	S07-4	27.850	25.696	0.225	100.071	0.3	0.15	5.6	Surcharged

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	Tank	S07-4	27.850	25.713	0.225	134.040	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	Tank	S07-4	27.850	25.713	0.225	134.974	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	Tank	S07-4	27.850	25.734	0.225	203.761	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	Tank	S07-4	27.850	25.734	0.225	205.005	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	Tank	S07-4	27.850	25.745	0.225	273.549	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	Tank	S07-4	27.850	25.746	0.225	275.093	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	Tank	S07-4	27.850	25.751	0.225	343.070	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	Tank	S07-4	27.850	25.752	0.225	344.915	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	Tank	S07-4	27.850	25.755	0.225	411.967	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	Tank	S07-4	27.850	25.756	0.225	414.143	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	Tank	S07-4	27.850	25.759	0.225	545.954	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	Tank	S07-4	27.850	25.757	0.225	548.742	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Tank	S07-4	27.850	25.761	0.225	731.229	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	Tank	S07-4	27.850	25.755	0.225	731.852	0.3	0.15	5.6	Surcharged

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

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	Tank	S07-4	27.850	25.754	0.225	851.196	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	Tank	S07-4	27.850	25.739	0.225	851.644	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	Tank	S07-4	27.850	25.744	0.225	940.193	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	Tank	S07-4	27.850	25.719	0.225	940.242	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	Tank	S07-4	27.850	25.723	0.225	1085.700	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	Tank	S07-4	27.850	25.680	0.225	1085.278	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	Tank	S07-4	27.850	25.703	0.225	1210.504	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	Tank	S07-4	27.850	25.645	0.225	1210.666	0.3	0.15	5.5	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	Tank	S07-4	27.850	25.686	0.225	1325.516	0.3	0.15	5.6	Surcharged
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	Tank	S07-4	27.850	25.616	0.217	1324.940	0.3	0.15	5.4	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	Tank	S07-4	27.850	25.670	0.225	1435.930	0.3	0.15	5.5	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	Tank	S07-4	27.850	25.592	0.193	1434.433	0.3	0.14	5.3	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	Tank	S07-4	27.850	25.656	0.225	1540.409	0.3	0.15	5.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	Tank	S07-4	27.850	25.572	0.173	1538.395	0.3	0.14	5.2	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-5.000- 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.419	0.068	4.863	0.9	0.11	10.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.417	0.066	4.901	0.9	0.1	9.9	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.406	0.056	6.282	0.8	0.07	7.3	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.405	0.054	6.288	0.8	0.07	6.8	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.402	0.052	7.800	0.8	0.06	6.2	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.397	0.046	7.800	0.7	0.05	5.0	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.396	0.045	10.062	0.7	0.05	4.8	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.389	0.039	10.067	0.6	0.04	3.4	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.391	0.041	11.555	0.7	0.04	3.9	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.384	0.034	11.543	0.6	0.03	2.7	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.388	0.038	12.689	0.6	0.03	3.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.381	0.031	12.677	0.6	0.02	2.2	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.384	0.033	14.423	0.6	0.03	2.5	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.378	0.027	14.441	0.5	0.02	1.7	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.381	0.031	15.767	0.6	0.02	2.1	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.375	0.025	15.749	0.5	0.01	1.4	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.379	0.029	16.853	0.5	0.02	1.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.373	0.023	16.889	0.5	0.01	1.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.377	0.027	17.813	0.5	0.02	1.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.372	0.022	17.819	0.4	0.01	1.0	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.375	0.024	19.409	0.5	0.01	1.3	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.370	0.020	19.427	0.4	0.01	0.9	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.372	0.021	21.947	0.4	0.01	1.0	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.368	0.017	21.917	0.4	0.01	0.6	OK

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

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.369	0.019	24.911	0.4	0.01	0.8	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.365	0.015	24.983	0.4	0.01	0.5	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.367	0.017	27.347	0.4	0.01	0.6	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.364	0.014	27.293	0.3	0	0.4	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.365	0.015	31.265	0.4	0	0.5	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.363	0.012	31.355	0.3	0	0.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.364	0.014	34.781	0.3	0	0.4	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.362	0.011	35.039	0.3	0	0.3	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.363	0.013	38.183	0.3	0	0.3	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.361	0.010	38.189	0.3	0	0.2	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.363	0.012	41.669	0.3	0	0.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.360	0.010	42.059	0.3	0	0.2	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.362	0.012	44.279	0.3	0	0.3	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.360	0.009	44.027	0.3	0	0.2	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.008 - 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S07-4	EX	27.633	25.559	0.037	5.842	1.2	0.06	5.2	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S07-4	EX	27.633	25.559	0.037	5.859	1.2	0.06	5.2	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S07-4	EX	27.633	25.591	0.038	13.820	1.2	0.06	5.3	Surcharged
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S07-4	EX	27.633	25.591	0.038	13.876	1.2	0.06	5.3	Surcharged
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S07-4	EX	27.633	25.622	0.038	30.006	1.2	0.06	5.4	Surcharged
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S07-4	EX	27.633	25.622	0.038	30.274	1.2	0.06	5.4	Surcharged
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S07-4	EX	27.633	25.667	0.039	63.924	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S07-4	EX	27.633	25.667	0.039	64.487	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S07-4	EX	27.633	25.693	0.039	98.426	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S07-4	EX	27.633	25.693	0.039	99.191	1.2	0.06	5.6	Surcharged

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S07-4	EX	27.633	25.710	0.039	133.155	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S07-4	EX	27.633	25.710	0.039	134.091	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S07-4	EX	27.633	25.730	0.039	202.887	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S07-4	EX	27.633	25.731	0.039	204.131	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S07-4	EX	27.633	25.742	0.039	272.697	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S07-4	EX	27.633	25.743	0.039	274.242	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S07-4	EX	27.633	25.748	0.039	342.249	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S07-4	EX	27.633	25.749	0.039	344.096	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S07-4	EX	27.633	25.752	0.039	411.194	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S07-4	EX	27.633	25.752	0.039	413.373	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S07-4	EX	27.633	25.756	0.039	545.331	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S07-4	EX	27.633	25.754	0.039	548.125	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S07-4	EX	27.633	25.757	0.039	731.082	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S07-4	EX	27.633	25.751	0.039	731.709	1.2	0.06	5.6	Surcharged

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

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S07-4	EX	27.633	25.751	0.039	851.146	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S07-4	EX	27.633	25.736	0.039	851.595	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S07-4	EX	27.633	25.741	0.039	940.164	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S07-4	EX	27.633	25.716	0.039	940.213	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S07-4	EX	27.633	25.720	0.039	1085.691	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S07-4	EX	27.633	25.677	0.039	1085.270	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S07-4	EX	27.633	25.700	0.039	1210.500	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S07-4	EX	27.633	25.642	0.039	1210.661	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S07-4	EX	27.633	25.683	0.039	1325.513	1.2	0.06	5.6	Surcharged
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S07-4	EX	27.633	25.613	0.038	1324.937	1.2	0.06	5.4	Surcharged
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S07-4	EX	27.633	25.667	0.039	1435.927	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S07-4	EX	27.633	25.588	0.038	1434.431	1.2	0.06	5.3	Surcharged
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S07-4	EX	27.633	25.653	0.039	1540.407	1.2	0.06	5.5	Surcharged
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S07-4	EX	27.633	25.568	0.038	1538.393	1.2	0.06	5.2	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-1.003-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S03-4	S04-4	27.908	26.147	0.306	57.119	1.0	0.49	111.8	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S03-4	S04-4	27.908	26.137	0.294	57.143	1.0	0.47	106.3	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S03-4	S04-4	27.908	26.098	0.249	73.330	0.9	0.37	84.6	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S03-4	S04-4	27.908	26.089	0.239	73.354	0.9	0.35	79.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S03-4	S04-4	27.908	26.078	0.226	91.018	0.9	0.32	72.8	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S03-4	S04-4	27.908	26.057	0.200	91.006	0.9	0.26	58.6	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S03-4	S04-4	27.908	26.053	0.195	117.486	0.8	0.24	55.8	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S03-4	S04-4	27.908	26.029	0.163	117.509	0.8	0.18	40.1	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S03-4	S04-4	27.908	26.037	0.174	134.874	0.8	0.2	45.2	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S03-4	S04-4	27.908	26.014	0.143	134.837	0.7	0.14	31.1	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S03-4	S04-4	27.908	26.026	0.159	148.123	0.8	0.17	38.4	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S03-4	S04-4	27.908	26.004	0.130	148.105	0.7	0.11	25.8	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S03-4	S04-4	27.908	26.011	0.140	168.268	0.7	0.13	29.8	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S03-4	S04-4	27.908	25.991	0.113	168.298	0.6	0.09	19.6	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S03-4	S04-4	27.908	26.002	0.128	183.934	0.7	0.11	25.0	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S03-4	S04-4	27.908	25.983	0.102	183.934	0.6	0.07	16.1	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S03-4	S04-4	27.908	25.995	0.118	196.900	0.6	0.09	21.4	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S03-4	S04-4	27.908	25.977	0.094	196.897	0.6	0.06	13.8	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S03-4	S04-4	27.908	25.989	0.110	208.107	0.6	0.08	18.9	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S03-4	S04-4	27.908	25.972	0.089	208.155	0.6	0.05	12.2	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S03-4	S04-4	27.908	25.981	0.100	226.850	0.6	0.07	15.4	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S03-4	S04-4	27.908	25.966	0.080	226.856	0.5	0.04	10.0	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S03-4	S04-4	27.908	25.971	0.087	256.602	0.5	0.05	11.6	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S03-4	S04-4	27.908	25.958	0.070	256.661	0.5	0.03	7.5	OK

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

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S03-4	S04-4	27.908	25.962	0.076	290.853	0.5	0.04	8.8	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S03-4	S04-4	27.908	25.951	0.061	291.024	0.4	0.02	5.7	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S03-4	S04-4	27.908	25.957	0.069	319.021	0.5	0.03	7.2	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S03-4	S04-4	27.908	25.947	0.056	318.815	0.4	0.02	4.7	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S03-4	S04-4	27.908	25.951	0.060	366.251	0.4	0.02	5.5	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S03-4	S04-4	27.908	25.942	0.049	366.329	0.4	0.02	3.6	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S03-4	S04-4	27.908	25.947	0.055	408.047	0.4	0.02	4.6	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S03-4	S04-4	27.908	25.939	0.045	408.401	0.4	0.01	3.0	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S03-4	S04-4	27.908	25.944	0.052	446.573	0.4	0.02	4.0	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S03-4	S04-4	27.908	25.936	0.042	446.537	0.3	0.01	2.6	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S03-4	S04-4	27.908	25.942	0.050	483.689	0.4	0.02	3.7	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S03-4	S04-4	27.908	25.935	0.040	483.359	0.3	0.01	2.3	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S03-4	S04-4	27.908	25.940	0.048	518.681	0.4	0.01	3.4	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S03-4	S04-4	27.908	25.934	0.039	517.961	0.3	0.01	2.2	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-4,002-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S14-4	S13-4	27.975	26.647	0.136	20.997	1.2	0.22	43.6	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S14-4	S13-4	27.975	26.644	0.132	20.994	1.2	0.21	41.1	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S14-4	S13-4	27.975	26.628	0.119	26.894	1.1	0.15	31.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S14-4	S13-4	27.975	26.625	0.116	26.892	1.0	0.15	29.1	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S14-4	S13-4	27.975	26.621	0.110	33.336	1.0	0.13	26.6	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S14-4	S13-4	27.975	26.611	0.099	33.325	0.9	0.11	21.4	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S14-4	S13-4	27.975	26.609	0.096	43.007	0.9	0.1	20.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S14-4	S13-4	27.975	26.597	0.082	43.008	0.8	0.07	14.7	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S14-4	S13-4	27.975	26.601	0.087	49.370	0.9	0.08	16.5	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S14-4	S13-4	27.975	26.589	0.072	49.338	0.8	0.06	11.4	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S14-4	S13-4	27.975	26.595	0.080	54.212	0.8	0.07	14.0	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S14-4	S13-4	27.975	26.584	0.066	54.224	0.7	0.05	9.4	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S14-4	S13-4	27.975	26.588	0.071	61.569	0.8	0.05	10.9	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S14-4	S13-4	27.975	26.577	0.058	61.558	0.7	0.04	7.2	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S14-4	S13-4	27.975	26.583	0.065	67.321	0.7	0.05	9.1	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S14-4	S13-4	27.975	26.572	0.053	67.292	0.6	0.03	5.9	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S14-4	S13-4	27.975	26.579	0.061	72.066	0.7	0.04	7.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S14-4	S13-4	27.975	26.569	0.049	72.030	0.6	0.03	5.1	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S14-4	S13-4	27.975	26.576	0.057	76.133	0.7	0.03	6.9	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S14-4	S13-4	27.975	26.567	0.046	76.157	0.6	0.02	4.5	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S14-4	S13-4	27.975	26.572	0.052	83.067	0.6	0.03	5.6	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S14-4	S13-4	27.975	26.563	0.042	82.995	0.5	0.02	3.6	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S14-4	S13-4	27.975	26.566	0.045	93.877	0.6	0.02	4.3	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S14-4	S13-4	27.975	26.559	0.037	93.848	0.5	0.01	2.8	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S14-4	S13-4	27.975	26.561	0.040	106.482	0.5	0.02	3.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S14-4	S13-4	27.975	26.555	0.032	106.483	0.5	0.01	2.1	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S14-4	S13-4	27.975	26.559	0.036	116.724	0.5	0.01	2.7	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S14-4	S13-4	27.975	26.553	0.029	116.851	0.4	0.01	1.7	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S14-4	S13-4	27.975	26.555	0.032	134.213	0.4	0.01	2.0	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S14-4	S13-4	27.975	26.550	0.026	134.053	0.4	0.01	1.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S14-4	S13-4	27.975	26.553	0.029	149.393	0.4	0.01	1.7	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S14-4	S13-4	27.975	26.548	0.024	149.107	0.4	0.01	1.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S14-4	S13-4	27.975	26.551	0.028	164.147	0.4	0.01	1.5	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S14-4	S13-4	27.975	26.547	0.022	163.717	0.4	0	1.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S14-4	S13-4	27.975	26.550	0.026	177.689	0.4	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S14-4	S13-4	27.975	26.546	0.021	176.767	0.3	0	0.9	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S14-4	S13-4	27.975	26.549	0.025	190.751	0.4	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S14-4	S13-4	27.975	26.546	0.021	189.787	0.3	0	0.8	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-4.001-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S13-4	S12-4	27.975	26.004	0.131	20.800	1.0	0.32	35.6	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S13-4	S12-4	27.975	26.000	0.128	20.794	1.0	0.31	34.0	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S13-4	S12-4	27.975	25.990	0.119	26.805	1.0	0.28	31.0	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S13-4	S12-4	27.975	25.985	0.115	26.805	1.0	0.26	29.0	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S13-4	S12-4	27.975	25.979	0.110	33.282	1.0	0.24	26.6	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S13-4	S12-4	27.975	25.966	0.098	33.275	0.9	0.19	21.4	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S13-4	S12-4	27.975	25.963	0.096	42.993	0.9	0.18	20.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S13-4	S12-4	27.975	25.946	0.080	43.000	0.9	0.13	14.7	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S13-4	S12-4	27.975	25.952	0.084	49.390	0.9	0.15	16.5	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S13-4	S12-4	27.975	25.935	0.069	49.366	0.8	0.1	11.4	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S13-4	S12-4	27.975	25.944	0.077	54.253	0.9	0.13	14.0	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S13-4	S12-4	27.975	25.928	0.063	54.274	0.8	0.09	9.4	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S13-4	S12-4	27.975	25.933	0.068	61.635	0.8	0.1	10.9	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S13-4	S12-4	27.975	25.918	0.060	61.631	0.7	0.07	7.2	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S13-4	S12-4	27.975	25.926	0.063	67.400	0.8	0.08	9.1	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S13-4	S12-4	27.975	25.912	0.065	67.375	0.7	0.05	5.9	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S13-4	S12-4	27.975	25.921	0.066	72.151	0.7	0.07	7.8	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S13-4	S12-4	27.975	25.908	0.067	72.118	0.6	0.05	5.1	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S13-4	S12-4	27.975	25.917	0.068	76.221	0.7	0.06	6.9	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S13-4	S12-4	27.975	25.904	0.068	76.247	0.6	0.04	4.5	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S13-4	S12-4	27.975	25.911	0.070	83.155	0.7	0.05	5.6	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S13-4	S12-4	27.975	25.899	0.070	83.083	0.6	0.03	3.6	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S13-4	S12-4	27.975	25.903	0.071	93.958	0.6	0.04	4.3	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S13-4	S12-4	27.975	25.893	0.068	93.925	0.5	0.02	2.7	OK

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

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S13-4	S12-4	27.975	25.897	0.068	106.540	0.6	0.03	3.2	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S13-4	S12-4	27.975	25.888	0.060	106.535	0.5	0.02	2.1	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S13-4	S12-4	27.975	25.893	0.063	116.756	0.5	0.02	2.6	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S13-4	S12-4	27.975	25.885	0.050	116.873	0.5	0.02	1.7	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S13-4	S12-4	27.975	25.888	0.052	134.233	0.5	0.02	2.0	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S13-4	S12-4	27.975	25.881	0.031	134.059	0.4	0.01	1.3	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S13-4	S12-4	27.975	25.885	0.042	149.403	0.5	0.02	1.7	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S13-4	S12-4	27.975	25.878	0.022	149.105	0.4	0.01	1.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S13-4	S12-4	27.975	25.883	0.034	164.149	0.4	0.01	1.5	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S13-4	S12-4	27.975	25.877	0.021	163.715	0.4	0.01	1.0	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S13-4	S12-4	27.975	25.881	0.026	177.687	0.4	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S13-4	S12-4	27.975	25.875	0.020	176.765	0.4	0.01	0.9	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S13-4	S12-4	27.975	25.880	0.024	190.746	0.4	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S13-4	S12-4	27.975	25.874	0.019	189.785	0.4	0.01	0.8	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-4.003-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S15-4	S14-4	27.970	27.056	0.119	19.903	1.5	0.2	44.6	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S15-4	S14-4	27.970	27.052	0.115	19.903	1.5	0.19	41.9	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S15-4	S14-4	27.970	27.031	0.096	25.508	1.3	0.13	29.4	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S15-4	S14-4	27.970	27.027	0.093	25.507	1.3	0.12	27.6	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S15-4	S14-4	27.970	27.023	0.089	31.636	1.3	0.11	25.3	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S15-4	S14-4	27.970	27.014	0.080	31.641	1.2	0.09	20.4	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S15-4	S14-4	27.970	27.012	0.078	40.844	1.2	0.09	19.4	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S15-4	S14-4	27.970	27.001	0.066	40.854	1.1	0.06	14.0	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S15-4	S14-4	27.970	27.005	0.070	46.887	1.1	0.07	15.7	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S15-4	S14-4	27.970	26.993	0.058	46.870	1.0	0.05	10.8	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S15-4	S14-4	27.970	26.999	0.064	51.492	1.1	0.06	13.3	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S15-4	S14-4	27.970	26.988	0.053	51.490	0.9	0.04	9.0	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S15-4	S14-4	27.970	26.992	0.057	58.499	1.0	0.05	10.4	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S15-4	S14-4	27.970	26.982	0.046	58.497	0.9	0.03	6.8	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S15-4	S14-4	27.970	26.987	0.052	63.946	0.9	0.04	8.7	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S15-4	S14-4	27.970	26.977	0.042	63.938	0.8	0.03	5.6	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S15-4	S14-4	27.970	26.983	0.048	68.470	0.9	0.03	7.5	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S15-4	S14-4	27.970	26.975	0.039	68.456	0.8	0.02	4.8	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S15-4	S14-4	27.970	26.981	0.045	72.346	0.9	0.03	6.6	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S15-4	S14-4	27.970	26.972	0.037	72.350	0.8	0.02	4.2	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S15-4	S14-4	27.970	26.977	0.041	78.898	0.8	0.02	5.4	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S15-4	S14-4	27.970	26.969	0.034	78.871	0.7	0.02	3.5	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S15-4	S14-4	27.970	26.972	0.036	89.211	0.7	0.02	4.1	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S15-4	S14-4	27.970	26.965	0.029	89.197	0.7	0.01	2.6	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S15-4	S14-4	27.970	26.967	0.032	101.175	0.7	0.01	3.1	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S15-4	S14-4	27.970	26.962	0.026	101.149	0.6	0.01	2.0	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S15-4	S14-4	27.970	26.965	0.029	111.014	0.6	0.01	2.5	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S15-4	S14-4	27.970	26.960	0.024	110.971	0.6	0.01	1.6	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S15-4	S14-4	27.970	26.961	0.025	127.616	0.6	0.01	1.9	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S15-4	S14-4	27.970	26.957	0.021	127.476	0.5	0.01	1.2	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S15-4	S14-4	27.970	26.960	0.023	141.848	0.6	0.01	1.6	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S15-4	S14-4	27.970	26.955	0.019	141.708	0.5	0	1.0	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S15-4	S14-4	27.970	26.958	0.022	155.510	0.5	0.01	1.4	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S15-4	S14-4	27.970	26.954	0.018	155.256	0.5	0	0.9	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S15-4	S14-4	27.970	26.957	0.021	167.947	0.5	0.01	1.3	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S15-4	S14-4	27.970	26.953	0.017	167.544	0.5	0	0.8	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S15-4	S14-4	27.970	26.956	0.020	180.103	0.5	0.01	1.2	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S15-4	S14-4	27.970	26.953	0.016	179.748	0.4	0	0.8	OK

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

FEH: 2 years: Increase Rainfall (%): +0: Summary Results for Sw-5.000-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S16-4	Tank	28.087	26.542	0.232	58.677	1.9	0.61	133.5	OK
FEH: 2 years: +0 %: 15 mins: Winter	Pipe	S16-4	Tank	28.087	26.531	0.223	58.680	1.8	0.57	125.4	OK
FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S16-4	Tank	28.087	26.480	0.178	75.246	1.7	0.39	86.9	OK
FEH: 2 years: +0 %: 30 mins: Winter	Pipe	S16-4	Tank	28.087	26.472	0.171	75.246	1.7	0.37	81.5	OK
FEH: 2 years: +0 %: 60 mins: Summer	Pipe	S16-4	Tank	28.087	26.463	0.163	93.354	1.6	0.34	74.7	OK
FEH: 2 years: +0 %: 60 mins: Winter	Pipe	S16-4	Tank	28.087	26.442	0.144	93.354	1.5	0.27	60.1	OK
FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S16-4	Tank	28.087	26.437	0.140	120.546	1.5	0.26	57.2	OK
FEH: 2 years: +0 %: 120 mins: Winter	Pipe	S16-4	Tank	28.087	26.412	0.117	120.534	1.4	0.19	41.2	OK
FEH: 2 years: +0 %: 180 mins: Summer	Pipe	S16-4	Tank	28.087	26.420	0.125	138.348	1.4	0.21	46.3	OK
FEH: 2 years: +0 %: 180 mins: Winter	Pipe	S16-4	Tank	28.087	26.395	0.102	138.348	1.3	0.14	31.9	OK

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

FEH: 2 years: +0 %: 240 mins: Summer	Pipe	S16-4	Tank	28.087	26.408	0.114	151.938	1.4	0.18	39.4	OK
FEH: 2 years: +0 %: 240 mins: Winter	Pipe	S16-4	Tank	28.087	26.384	0.092	151.956	1.3	0.12	26.5	OK
FEH: 2 years: +0 %: 360 mins: Summer	Pipe	S16-4	Tank	28.087	26.392	0.100	172.602	1.3	0.14	30.6	OK
FEH: 2 years: +0 %: 360 mins: Winter	Pipe	S16-4	Tank	28.087	26.371	0.080	172.596	1.2	0.09	20.1	OK
FEH: 2 years: +0 %: 480 mins: Summer	Pipe	S16-4	Tank	28.087	26.383	0.091	188.676	1.2	0.12	25.6	OK
FEH: 2 years: +0 %: 480 mins: Winter	Pipe	S16-4	Tank	28.087	26.363	0.072	188.670	1.1	0.08	16.6	OK
FEH: 2 years: +0 %: 600 mins: Summer	Pipe	S16-4	Tank	28.087	26.375	0.084	202.014	1.2	0.1	22.0	OK
FEH: 2 years: +0 %: 600 mins: Winter	Pipe	S16-4	Tank	28.087	26.357	0.067	202.014	1.1	0.06	14.2	OK
FEH: 2 years: +0 %: 720 mins: Summer	Pipe	S16-4	Tank	28.087	26.369	0.079	213.504	1.2	0.09	19.4	OK
FEH: 2 years: +0 %: 720 mins: Winter	Pipe	S16-4	Tank	28.087	26.352	0.063	213.474	1.0	0.06	12.5	OK
FEH: 2 years: +0 %: 960 mins: Summer	Pipe	S16-4	Tank	28.087	26.361	0.071	232.698	1.1	0.07	15.8	OK
FEH: 2 years: +0 %: 960 mins: Winter	Pipe	S16-4	Tank	28.087	26.346	0.057	232.746	1.0	0.05	10.2	OK
FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S16-4	Tank	28.087	26.351	0.061	263.352	1.0	0.05	11.9	OK
FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	S16-4	Tank	28.087	26.338	0.049	263.333	0.9	0.03	7.7	OK

FEH: 2 years: +0 %: 2160 mins: Summer	Pipe	S16-4	Tank	28.087	26.342	0.053	298.476	0.9	0.04	9.0	OK
FEH: 2 years: +0 %: 2160 mins: Winter	Pipe	S16-4	Tank	28.087	26.331	0.043	298.470	0.8	0.03	5.8	OK
FEH: 2 years: +0 %: 2880 mins: Summer	Pipe	S16-4	Tank	28.087	26.337	0.048	327.348	0.9	0.03	7.4	OK
FEH: 2 years: +0 %: 2880 mins: Winter	Pipe	S16-4	Tank	28.087	26.327	0.039	327.240	0.8	0.02	4.8	OK
FEH: 2 years: +0 %: 4320 mins: Summer	Pipe	S16-4	Tank	28.087	26.330	0.042	376.355	0.8	0.03	5.7	OK
FEH: 2 years: +0 %: 4320 mins: Winter	Pipe	S16-4	Tank	28.087	26.322	0.034	376.320	0.7	0.02	3.7	OK
FEH: 2 years: +0 %: 5760 mins: Summer	Pipe	S16-4	Tank	28.087	26.327	0.039	418.674	0.8	0.02	4.8	OK
FEH: 2 years: +0 %: 5760 mins: Winter	Pipe	S16-4	Tank	28.087	26.319	0.031	418.997	0.7	0.01	3.1	OK
FEH: 2 years: +0 %: 7200 mins: Summer	Pipe	S16-4	Tank	28.087	26.324	0.036	458.112	0.8	0.02	4.2	OK
FEH: 2 years: +0 %: 7200 mins: Winter	Pipe	S16-4	Tank	28.087	26.317	0.029	458.094	0.7	0.01	2.7	OK
FEH: 2 years: +0 %: 8640 mins: Summer	Pipe	S16-4	Tank	28.087	26.322	0.034	495.678	0.7	0.02	3.8	OK
FEH: 2 years: +0 %: 8640 mins: Winter	Pipe	S16-4	Tank	28.087	26.315	0.028	496.098	0.6	0.01	2.4	OK
FEH: 2 years: +0 %: 10080 mins: Summer	Pipe	S16-4	Tank	28.087	26.321	0.033	531.960	0.7	0.02	3.5	OK
FEH: 2 years: +0 %: 10080 mins: Winter	Pipe	S16-4	Tank	28.087	26.314	0.027	531.612	0.6	0.01	2.2	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.006-4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.973	0.214	175.581	4.6	0.66	311.4	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.964	0.214	175.555	4.5	0.63	297.1	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.947	0.232	228.261	4.2	0.55	259.6	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.937	0.228	228.280	4.0	0.52	244.5	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.930	0.259	284.604	3.3	0.48	226.6	OK

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

FEH: 30 years: +0 %: 60 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.900	0.259	284.575	3.1	0.39	183.7	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.887	0.314	333.564	2.6	0.34	159.0	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.871	0.314	333.579	2.6	0.24	114.6	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.904	0.347	366.689	2.4	0.26	123.5	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.904	0.347	366.708	2.4	0.18	85.4	OK
FEH: 30 years: +0 %: 240 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.927	0.370	392.490	2.3	0.22	102.2	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.927	0.370	392.448	2.2	0.15	69.4	OK

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

FEH: 30 years: +0 %: 360 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.956	0.399	432.199	2.0	0.16	77.6	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.957	0.400	432.180	2.0	0.11	50.8	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.975	0.418	463.578	1.9	0.13	63.7	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.976	0.419	463.624	1.8	0.09	41.1	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.988	0.431	490.125	1.8	0.11	54.1	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.989	0.432	490.149	1.7	0.07	34.6	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.996	0.439	513.383	1.7	0.1	46.4	OK

FEH: 30 years: +0 %: 720 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.998	0.441	513.379	1.6	0.06	30.1	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.004	0.447	553.033	1.6	0.08	38.1	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.006	0.449	553.096	1.5	0.05	24.3	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.003	0.446	616.857	1.5	0.06	27.8	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.005	0.448	616.800	1.3	0.04	17.8	OK
FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.993	0.436	687.687	1.4	0.04	20.8	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.988	0.431	687.675	1.1	0.03	13.3	OK

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

FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.981	0.424	745.288	1.3	0.04	16.7	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.969	0.411	745.583	1.0	0.02	10.8	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.957	0.400	840.947	1.2	0.03	12.6	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.924	0.367	840.770	0.9	0.02	8.1	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.934	0.377	923.030	1.1	0.02	10.4	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.879	0.322	922.758	0.9	0.01	6.7	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.913	0.356	998.182	1.1	0.02	9.1	OK

FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.837	0.280	998.012	0.8	0.01	5.9	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.893	0.336	1069.014	1.0	0.02	8.1	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.798	0.241	1067.901	0.7	0.01	5.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	25.875	0.318	1137.155	1.0	0.02	7.4	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.764	0.207	1138.010	0.7	0.01	4.8	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-4.000-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S12-4	Tank	27.975	25.801	0.165	46.836	2.6	0.3	82.3	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S12-4	Tank	27.975	25.796	0.163	46.833	2.5	0.29	78.6	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S12-4	Tank	27.975	25.793	0.201	60.588	2.2	0.26	70.2	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S12-4	Tank	27.975	25.788	0.201	60.586	2.1	0.24	65.9	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S12-4	Tank	27.975	25.816	0.271	75.203	1.7	0.23	61.0	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S12-4	Tank	27.975	25.816	0.271	75.213	1.7	0.19	50.3	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S12-4	Tank	27.975	25.871	0.326	88.019	1.5	0.16	43.8	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S12-4	Tank	27.975	25.871	0.326	88.039	1.5	0.11	31.0	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S12-4	Tank	27.975	25.904	0.359	96.606	1.3	0.12	33.4	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S12-4	Tank	27.975	25.904	0.359	96.597	1.4	0.09	23.0	OK

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S12-4	Tank	27.975	25.927	0.375	103.294	1.3	0.1	26.5	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S12-4	Tank	27.975	25.927	0.375	103.270	1.3	0.07	18.2	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S12-4	Tank	27.975	25.956	0.375	113.850	1.2	0.07	19.8	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S12-4	Tank	27.975	25.957	0.375	113.836	1.1	0.05	13.2	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S12-4	Tank	27.975	25.975	0.375	122.442	1.1	0.06	16.3	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S12-4	Tank	27.975	25.976	0.375	122.449	1.0	0.04	10.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S12-4	Tank	27.975	25.988	0.375	129.883	1.1	0.05	13.6	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S12-4	Tank	27.975	25.989	0.375	129.874	1.0	0.03	8.8	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S12-4	Tank	27.975	25.996	0.375	136.384	1.0	0.04	11.8	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S12-4	Tank	27.975	25.998	0.375	136.309	0.9	0.03	7.6	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S12-4	Tank	27.975	26.004	0.375	147.394	1.0	0.04	9.5	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S12-4	Tank	27.975	26.006	0.375	147.418	0.8	0.02	6.2	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S12-4	Tank	27.975	26.003	0.375	165.432	0.9	0.03	7.1	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S12-4	Tank	27.975	26.005	0.375	165.553	0.7	0.02	4.6	OK

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S12-4	Tank	27.975	25.993	0.375	184.873	0.8	0.02	5.3	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S12-4	Tank	27.975	25.988	0.375	184.896	0.6	0.01	3.4	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S12-4	Tank	27.975	25.981	0.375	200.262	0.8	0.02	4.3	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S12-4	Tank	27.975	25.968	0.375	200.321	0.6	0.01	2.8	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S12-4	Tank	27.975	25.957	0.375	226.001	0.7	0.01	3.3	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S12-4	Tank	27.975	25.924	0.375	226.198	0.5	0.01	2.1	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S12-4	Tank	27.975	25.934	0.375	247.882	0.6	0.01	2.7	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S12-4	Tank	27.975	25.878	0.333	247.804	0.5	0.01	1.8	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S12-4	Tank	27.975	25.913	0.368	268.023	0.6	0.01	2.4	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S12-4	Tank	27.975	25.837	0.292	267.841	0.4	0.01	1.6	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S12-4	Tank	27.975	25.893	0.348	287.064	0.6	0.01	2.1	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S12-4	Tank	27.975	25.798	0.253	287.219	0.4	0.01	1.4	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S12-4	Tank	27.975	25.875	0.330	305.886	0.6	0.01	2.0	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S12-4	Tank	27.975	25.764	0.219	306.143	0.4	0	1.3	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.004- 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S04-4	S05-4	27.886	26.366	0.450	169.550	2.0	2	315.6	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S04-4	S05-4	27.886	26.289	0.450	169.524	1.9	1.88	295.3	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S04-4	S05-4	27.886	26.204	0.450	221.051	1.6	1.6	251.5	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S04-4	S05-4	27.886	26.178	0.431	221.063	1.5	1.5	236.6	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S04-4	S05-4	27.886	26.151	0.409	276.244	1.4	1.39	219.5	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S04-4	S05-4	27.886	26.085	0.353	276.223	1.3	1.13	177.8	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S04-4	S05-4	27.886	26.052	0.325	324.095	1.3	0.98	154.1	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S04-4	S05-4	27.886	25.988	0.268	324.122	1.1	0.7	111.0	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S04-4	S05-4	27.886	26.003	0.281	356.348	1.1	0.76	119.7	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S04-4	S05-4	27.886	25.945	0.228	356.363	1.0	0.52	82.5	OK

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S04-4	S05-4	27.886	25.973	0.254	381.416	1.1	0.63	99.0	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S04-4	S05-4	27.886	25.927	0.232	381.366	1.0	0.42	66.8	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S04-4	S05-4	27.886	25.956	0.261	419.800	1.0	0.47	74.7	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S04-4	S05-4	27.886	25.957	0.262	419.791	0.9	0.31	49.2	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S04-4	S05-4	27.886	25.975	0.280	450.013	1.0	0.39	61.3	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S04-4	S05-4	27.886	25.976	0.281	450.034	0.9	0.25	39.7	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S04-4	S05-4	27.886	25.988	0.293	475.449	0.9	0.33	51.3	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S04-4	S05-4	27.886	25.989	0.294	475.502	0.8	0.21	33.4	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S04-4	S05-4	27.886	25.996	0.301	497.689	0.9	0.29	45.4	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S04-4	S05-4	27.886	25.998	0.303	497.676	0.8	0.19	29.1	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S04-4	S05-4	27.886	26.004	0.309	535.358	0.8	0.23	36.4	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S04-4	S05-4	27.886	26.006	0.311	535.379	0.7	0.15	23.5	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S04-4	S05-4	27.886	26.003	0.308	595.639	0.8	0.17	27.0	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S04-4	S05-4	27.886	26.006	0.311	595.527	0.7	0.11	17.4	OK

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S04-4	S05-4	27.886	25.993	0.298	663.846	0.7	0.13	20.1	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S04-4	S05-4	27.886	25.988	0.293	663.845	0.6	0.08	13.0	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S04-4	S05-4	27.886	25.981	0.286	719.423	0.6	0.1	16.3	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S04-4	S05-4	27.886	25.969	0.274	719.680	0.6	0.07	10.5	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S04-4	S05-4	27.886	25.957	0.262	811.786	0.6	0.08	12.3	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S04-4	S05-4	27.886	25.924	0.229	811.713	0.5	0.05	7.9	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S04-4	S05-4	27.886	25.934	0.239	891.212	0.6	0.06	10.1	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S04-4	S05-4	27.886	25.879	0.184	890.827	0.5	0.04	6.5	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S04-4	S05-4	27.886	25.913	0.218	963.440	0.5	0.06	8.7	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S04-4	S05-4	27.886	25.837	0.142	962.941	0.5	0.04	5.7	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S04-4	S05-4	27.886	25.894	0.198	1032.079	0.5	0.05	7.8	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S04-4	S05-4	27.886	25.799	0.104	1031.178	0.4	0.03	5.0	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S04-4	S05-4	27.886	25.875	0.180	1098.055	0.5	0.05	7.1	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S04-4	S05-4	27.886	25.768	0.072	1098.564	0.4	0.03	4.6	OK

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



FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.005-4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.221	0.420	175.600	2.1	2	318.5	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.161	0.386	175.575	2.1	1.91	303.6	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.092	0.343	228.821	2.0	1.64	260.4	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.074	0.329	228.847	2.0	1.54	245.0	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.058	0.318	285.803	1.9	1.43	227.3	OK

FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.011	0.279	285.782	1.8	1.16	184.1	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.987	0.261	335.221	1.7	1	159.5	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.937	0.217	335.228	1.6	0.72	114.9	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.949	0.229	368.548	1.6	0.78	123.9	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.904	0.227	368.559	1.5	0.54	85.4	OK
FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.926	0.250	394.465	1.5	0.64	102.5	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.927	0.250	394.356	1.5	0.43	69.2	OK

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

FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.956	0.280	434.198	1.5	0.49	77.4	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.957	0.281	434.087	1.4	0.32	51.6	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.975	0.299	465.484	1.5	0.4	63.5	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.976	0.300	465.492	1.3	0.26	42.1	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.988	0.311	491.795	1.5	0.36	58.0	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.989	0.313	491.960	1.3	0.22	34.6	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.996	0.320	514.939	1.4	0.31	49.5	OK

FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.998	0.321	515.005	1.2	0.19	30.1	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.004	0.327	554.216	1.3	0.24	37.6	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.006	0.330	554.268	1.1	0.15	24.3	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.003	0.326	616.998	1.2	0.18	27.9	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.005	0.329	616.933	1.0	0.11	18.0	OK
FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.993	0.316	687.667	1.1	0.13	20.7	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.988	0.311	687.664	0.9	0.08	13.4	OK

FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.981	0.304	745.271	1.0	0.11	16.9	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.969	0.292	745.574	0.9	0.07	10.9	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.957	0.280	840.939	0.9	0.08	12.7	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.924	0.247	840.763	0.8	0.05	8.2	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.934	0.257	923.021	0.9	0.07	10.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.879	0.202	922.746	0.8	0.04	6.7	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.913	0.236	998.174	0.8	0.06	9.1	OK

FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.837	0.160	998.002	0.7	0.04	5.9	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.893	0.217	1069.009	0.8	0.05	8.1	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.799	0.122	1067.896	0.7	0.03	5.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.875	0.199	1137.150	0.8	0.05	7.4	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	25.766	0.089	1138.004	0.7	0.03	4.8	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.002-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S02-4	S03-4	27.946	26.616	0.450	58.232	0.7	0.53	84.6	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S02-4	S03-4	27.946	26.512	0.450	58.209	0.7	0.49	77.0	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S02-4	S03-4	27.946	26.370	0.410	75.856	0.7	0.54	84.7	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S02-4	S03-4	27.946	26.315	0.353	75.858	0.7	0.51	80.4	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S02-4	S03-4	27.946	26.271	0.310	94.950	0.7	0.47	74.8	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S02-4	S03-4	27.946	26.208	0.241	94.935	0.7	0.39	61.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S02-4	S03-4	27.946	26.184	0.214	111.487	0.7	0.33	52.9	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S02-4	S03-4	27.946	26.145	0.168	111.506	0.7	0.24	38.1	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S02-4	S03-4	27.946	26.153	0.177	122.587	0.7	0.26	41.1	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S02-4	S03-4	27.946	26.120	0.142	122.631	0.7	0.18	28.3	OK

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S02-4	S03-4	27.946	26.135	0.157	131.263	0.7	0.21	34.0	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S02-4	S03-4	27.946	26.104	0.126	131.258	0.6	0.14	22.9	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S02-4	S03-4	27.946	26.112	0.134	144.461	0.6	0.16	25.6	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S02-4	S03-4	27.946	26.086	0.107	144.463	0.6	0.11	16.9	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S02-4	S03-4	27.946	26.099	0.121	154.795	0.6	0.13	21.0	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S02-4	S03-4	27.946	26.075	0.096	154.780	0.5	0.09	13.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S02-4	S03-4	27.946	26.089	0.110	163.476	0.6	0.11	17.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S02-4	S03-4	27.946	26.067	0.088	163.491	0.5	0.07	11.5	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S02-4	S03-4	27.946	26.082	0.103	171.057	0.6	0.1	15.5	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S02-4	S03-4	27.946	26.062	0.082	171.031	0.5	0.06	10.0	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S02-4	S03-4	27.946	26.071	0.092	183.831	0.5	0.08	12.5	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S02-4	S03-4	27.946	26.054	0.074	183.825	0.5	0.05	8.1	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S02-4	S03-4	27.946	26.059	0.079	204.354	0.5	0.06	9.3	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S02-4	S03-4	27.946	26.045	0.064	204.224	0.4	0.04	6.0	OK

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S02-4	S03-4	27.946	26.049	0.068	227.637	0.5	0.04	6.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S02-4	S03-4	27.946	26.037	0.055	227.739	0.4	0.03	4.4	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S02-4	S03-4	27.946	26.043	0.062	246.580	0.4	0.04	5.6	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S02-4	S03-4	27.946	26.032	0.050	246.878	0.4	0.02	3.6	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S02-4	S03-4	27.946	26.036	0.054	278.294	0.4	0.03	4.2	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S02-4	S03-4	27.946	26.027	0.044	278.597	0.3	0.02	2.7	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S02-4	S03-4	27.946	26.032	0.049	305.890	0.4	0.02	3.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S02-4	S03-4	27.946	26.023	0.040	305.567	0.3	0.01	2.2	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S02-4	S03-4	27.946	26.028	0.046	330.400	0.4	0.02	3.0	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S02-4	S03-4	27.946	26.021	0.037	330.293	0.3	0.01	1.9	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S02-4	S03-4	27.946	26.026	0.043	353.848	0.3	0.02	2.7	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S02-4	S03-4	27.946	26.019	0.035	353.747	0.3	0.01	1.7	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S02-4	S03-4	27.946	26.025	0.041	376.792	0.3	0.02	2.4	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S02-4	S03-4	27.946	26.017	0.034	377.843	0.3	0.01	1.6	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.000- 4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S01-4	S02-4	27.945	26.628	0.450	40.999	0.6	0.55	86.9	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S01-4	S02-4	27.945	26.568	0.450	40.999	0.6	0.49	77.6	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S01-4	S02-4	27.945	26.385	0.362	53.461	0.6	0.38	60.9	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S01-4	S02-4	27.945	26.334	0.309	53.467	0.7	0.36	57.4	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S01-4	S02-4	27.945	26.295	0.268	66.900	0.7	0.34	53.3	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S01-4	S02-4	27.945	26.235	0.206	66.888	0.6	0.27	43.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S01-4	S02-4	27.945	26.214	0.183	78.537	0.6	0.23	37.3	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S01-4	S02-4	27.945	26.181	0.147	78.546	0.6	0.17	26.8	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S01-4	S02-4	27.945	26.187	0.155	86.365	0.6	0.18	28.9	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S01-4	S02-4	27.945	26.158	0.124	86.373	0.6	0.13	19.9	OK

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S01-4	S02-4	27.945	26.172	0.138	92.441	0.6	0.15	23.9	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S01-4	S02-4	27.945	26.145	0.109	92.437	0.5	0.1	16.1	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S01-4	S02-4	27.945	26.152	0.117	101.739	0.6	0.11	18.0	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S01-4	S02-4	27.945	26.129	0.092	101.712	0.5	0.07	11.9	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S01-4	S02-4	27.945	26.140	0.104	109.016	0.5	0.09	14.8	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S01-4	S02-4	27.945	26.120	0.082	108.995	0.5	0.06	9.6	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S01-4	S02-4	27.945	26.132	0.095	115.123	0.5	0.08	12.5	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S01-4	S02-4	27.945	26.114	0.075	115.120	0.5	0.05	8.1	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S01-4	S02-4	27.945	26.126	0.088	120.451	0.5	0.07	10.9	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S01-4	S02-4	27.945	26.109	0.070	120.423	0.4	0.04	7.1	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S01-4	S02-4	27.945	26.117	0.079	129.451	0.5	0.06	8.8	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S01-4	S02-4	27.945	26.103	0.063	129.455	0.4	0.04	5.7	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S01-4	S02-4	27.945	26.107	0.067	143.904	0.4	0.04	6.5	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S01-4	S02-4	27.945	26.095	0.054	143.793	0.4	0.03	4.2	OK

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S01-4	S02-4	27.945	26.098	0.058	160.307	0.4	0.03	4.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S01-4	S02-4	27.945	26.088	0.047	160.327	0.4	0.02	3.1	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S01-4	S02-4	27.945	26.093	0.053	173.578	0.4	0.02	3.9	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S01-4	S02-4	27.945	26.084	0.043	173.749	0.3	0.02	2.5	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S01-4	S02-4	27.945	26.087	0.046	195.909	0.3	0.02	3.0	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S01-4	S02-4	27.945	26.079	0.037	196.255	0.3	0.01	1.9	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S01-4	S02-4	27.945	26.084	0.042	215.379	0.3	0.02	2.4	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S01-4	S02-4	27.945	26.076	0.034	215.137	0.3	0.01	1.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S01-4	S02-4	27.945	26.081	0.039	232.605	0.3	0.01	2.1	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S01-4	S02-4	27.945	26.074	0.032	232.747	0.3	0.01	1.4	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S01-4	S02-4	27.945	26.079	0.037	249.236	0.3	0.01	1.9	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S01-4	S02-4	27.945	26.073	0.030	249.145	0.3	0.01	1.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S01-4	S02-4	27.945	26.078	0.036	265.022	0.3	0.01	1.7	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S01-4	S02-4	27.945	26.072	0.029	265.375	0.3	0.01	1.1	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.007-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Tank	S07-4	27.850	25.679	0.225	7.840	0.3	0.22	8.1	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	Tank	S07-4	27.850	25.679	0.225	7.890	0.3	0.19	6.9	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	Tank	S07-4	27.850	25.746	0.225	16.571	0.3	0.16	6.0	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	Tank	S07-4	27.850	25.746	0.225	16.670	0.4	0.16	5.9	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	Tank	S07-4	27.850	25.816	0.225	34.067	0.3	0.16	5.9	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	Tank	S07-4	27.850	25.816	0.225	34.233	0.3	0.16	5.9	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	Tank	S07-4	27.850	25.871	0.225	69.185	0.3	0.16	5.8	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	Tank	S07-4	27.850	25.871	0.225	69.402	0.3	0.16	5.7	Surcharged
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	Tank	S07-4	27.850	25.904	0.225	104.333	0.3	0.16	5.8	Surcharged
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	Tank	S07-4	27.850	25.904	0.225	104.588	0.3	0.15	5.7	Surcharged

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	Tank	S07-4	27.850	25.927	0.225	139.512	0.3	0.16	5.7	Surcharged
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	Tank	S07-4	27.850	25.927	0.225	139.802	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	Tank	S07-4	27.850	25.956	0.225	209.795	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	Tank	S07-4	27.850	25.957	0.225	210.173	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	Tank	S07-4	27.850	25.975	0.225	280.138	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	Tank	S07-4	27.850	25.976	0.225	280.619	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	Tank	S07-4	27.850	25.988	0.225	350.665	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	Tank	S07-4	27.850	25.989	0.225	351.296	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	Tank	S07-4	27.850	25.996	0.225	421.450	0.3	0.15	5.7	Surcharged
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	Tank	S07-4	27.850	25.998	0.225	422.250	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Tank	S07-4	27.850	26.004	0.225	563.808	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	Tank	S07-4	27.850	26.006	0.225	565.115	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	Tank	S07-4	27.850	26.003	0.225	850.621	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	Tank	S07-4	27.850	26.005	0.225	853.497	0.3	0.15	5.6	Surcharged

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	Tank	S07-4	27.850	25.993	0.225	1259.373	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	Tank	S07-4	27.850	25.988	0.225	1264.309	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	Tank	S07-4	27.850	25.981	0.225	1425.300	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	Tank	S07-4	27.850	25.968	0.225	1426.122	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	Tank	S07-4	27.850	25.957	0.225	1621.227	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	Tank	S07-4	27.850	25.924	0.225	1621.502	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	Tank	S07-4	27.850	25.934	0.225	1782.569	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	Tank	S07-4	27.850	25.878	0.225	1782.292	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	Tank	S07-4	27.850	25.913	0.225	1929.056	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	Tank	S07-4	27.850	25.837	0.225	1929.014	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	Tank	S07-4	27.850	25.893	0.225	2066.230	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	Tank	S07-4	27.850	25.798	0.225	2065.295	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	Tank	S07-4	27.850	25.875	0.225	2198.758	0.3	0.15	5.6	Surcharged
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	Tank	S07-4	27.850	25.764	0.225	2200.365	0.3	0.15	5.6	Surcharged

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-5.000- 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.566	0.300	9.801	0.7	0.06	5.8	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.463	0.246	9.787	0.7	0.1	9.7	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.428	0.157	12.717	0.7	0.15	14.8	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.426	0.129	12.722	0.8	0.14	13.8	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.424	0.106	15.948	0.8	0.13	12.8	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.417	0.071	15.973	0.9	0.11	10.3	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.412	0.062	18.780	0.8	0.09	8.9	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.403	0.052	18.774	0.8	0.07	6.4	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.405	0.054	20.640	0.8	0.07	6.9	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.396	0.045	20.639	0.7	0.05	4.8	OK

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.400	0.050	22.110	0.7	0.06	5.7	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.391	0.041	22.109	0.7	0.04	3.8	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.393	0.043	24.323	0.7	0.04	4.3	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.385	0.035	24.335	0.6	0.03	2.8	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.389	0.039	26.075	0.7	0.04	3.5	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.382	0.032	26.045	0.6	0.02	2.3	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.386	0.036	27.515	0.6	0.03	3.0	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.379	0.029	27.533	0.5	0.02	1.9	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.384	0.034	28.811	0.6	0.03	2.6	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.378	0.027	28.823	0.5	0.02	1.7	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.381	0.030	30.944	0.6	0.02	2.1	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.375	0.025	30.941	0.5	0.01	1.4	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.377	0.026	34.421	0.5	0.02	1.6	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.372	0.022	34.397	0.4	0.01	1.0	OK

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.373	0.023	38.303	0.5	0.01	1.2	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.369	0.019	38.351	0.4	0.01	0.8	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.371	0.021	41.579	0.4	0.01	0.9	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.367	0.017	41.717	0.4	0.01	0.6	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.368	0.018	46.871	0.4	0.01	0.7	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.365	0.015	46.931	0.3	0	0.5	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.367	0.017	51.599	0.4	0.01	0.6	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.364	0.014	51.575	0.3	0	0.4	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.366	0.015	55.721	0.4	0.01	0.5	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.363	0.013	55.805	0.3	0	0.3	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.365	0.015	59.519	0.3	0	0.4	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.362	0.012	59.501	0.3	0	0.3	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.364	0.014	63.623	0.3	0	0.4	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.362	0.012	64.085	0.3	0	0.3	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.008 - 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S07-4	EX	27.633	25.675	0.039	6.923	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S07-4	EX	27.633	25.675	0.039	6.973	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S07-4	EX	27.633	25.743	0.039	15.578	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S07-4	EX	27.633	25.743	0.039	15.677	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S07-4	EX	27.633	25.813	0.039	33.003	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S07-4	EX	27.633	25.813	0.039	33.170	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S07-4	EX	27.633	25.868	0.039	68.075	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S07-4	EX	27.633	25.868	0.039	68.292	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S07-4	EX	27.633	25.901	0.039	103.201	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S07-4	EX	27.633	25.901	0.039	103.456	1.2	0.06	5.6	Surcharged

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S07-4	EX	27.633	25.924	0.039	138.368	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S07-4	EX	27.633	25.924	0.039	138.658	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S07-4	EX	27.633	25.953	0.039	208.646	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S07-4	EX	27.633	25.954	0.039	209.024	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S07-4	EX	27.633	25.972	0.039	278.997	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S07-4	EX	27.633	25.973	0.039	279.478	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S07-4	EX	27.633	25.985	0.039	349.539	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S07-4	EX	27.633	25.986	0.039	350.170	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S07-4	EX	27.633	25.993	0.039	420.345	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S07-4	EX	27.633	25.995	0.039	421.146	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S07-4	EX	27.633	26.001	0.039	562.756	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S07-4	EX	27.633	26.004	0.039	564.064	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S07-4	EX	27.633	26.000	0.039	849.704	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S07-4	EX	27.633	26.003	0.039	852.582	1.2	0.06	5.6	Surcharged

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S07-4	EX	27.633	25.990	0.039	1258.907	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S07-4	EX	27.633	25.985	0.039	1263.882	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S07-4	EX	27.633	25.978	0.039	1425.232	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S07-4	EX	27.633	25.965	0.039	1426.057	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S07-4	EX	27.633	25.954	0.039	1621.207	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S07-4	EX	27.633	25.920	0.039	1621.483	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S07-4	EX	27.633	25.931	0.039	1782.562	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S07-4	EX	27.633	25.875	0.039	1782.285	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S07-4	EX	27.633	25.910	0.039	1929.053	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S07-4	EX	27.633	25.833	0.039	1929.011	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S07-4	EX	27.633	25.890	0.039	2066.227	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S07-4	EX	27.633	25.795	0.039	2065.292	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S07-4	EX	27.633	25.872	0.039	2198.756	1.2	0.06	5.6	Surcharged
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S07-4	EX	27.633	25.761	0.039	2200.363	1.2	0.06	5.6	Surcharged

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-1.003-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S03-4	S04-4	27.908	26.585	0.450	114.443	1.3	0.87	199.3	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S03-4	S04-4	27.908	26.468	0.450	114.411	1.1	0.8	181.8	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S03-4	S04-4	27.908	26.340	0.450	149.212	1.1	0.74	168.5	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S03-4	S04-4	27.908	26.281	0.427	149.206	1.0	0.7	158.7	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S03-4	S04-4	27.908	26.237	0.392	186.772	1.0	0.65	147.5	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S03-4	S04-4	27.908	26.164	0.323	186.752	1.0	0.53	120.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S03-4	S04-4	27.908	26.132	0.290	219.315	1.0	0.46	104.0	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S03-4	S04-4	27.908	26.081	0.233	219.347	0.9	0.33	74.9	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S03-4	S04-4	27.908	26.091	0.245	241.214	0.9	0.35	80.8	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S03-4	S04-4	27.908	26.053	0.197	241.239	0.8	0.24	55.7	OK

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S03-4	S04-4	27.908	26.068	0.218	258.195	0.9	0.29	66.9	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S03-4	S04-4	27.908	26.037	0.174	258.166	0.8	0.2	45.0	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S03-4	S04-4	27.908	26.045	0.185	284.124	0.8	0.22	50.3	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S03-4	S04-4	27.908	26.017	0.155	284.106	0.7	0.15	33.1	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S03-4	S04-4	27.908	26.031	0.174	304.436	0.8	0.18	41.3	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S03-4	S04-4	27.908	26.006	0.174	304.453	0.7	0.12	26.7	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S03-4	S04-4	27.908	26.021	0.186	321.502	0.7	0.15	35.0	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S03-4	S04-4	27.908	25.997	0.187	321.560	0.7	0.1	22.6	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S03-4	S04-4	27.908	26.013	0.194	336.389	0.7	0.13	30.5	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S03-4	S04-4	27.908	25.998	0.196	336.367	0.6	0.09	19.7	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S03-4	S04-4	27.908	26.004	0.202	361.496	0.7	0.11	24.6	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S03-4	S04-4	27.908	26.007	0.205	361.499	0.6	0.07	15.9	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S03-4	S04-4	27.908	26.003	0.201	401.718	0.6	0.08	18.2	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S03-4	S04-4	27.908	26.006	0.204	401.591	0.5	0.05	11.8	OK

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S03-4	S04-4	27.908	25.993	0.191	447.731	0.6	0.06	13.6	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S03-4	S04-4	27.908	25.988	0.186	447.729	0.5	0.04	8.8	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S03-4	S04-4	27.908	25.981	0.179	485.136	0.5	0.05	11.0	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S03-4	S04-4	27.908	25.969	0.167	485.499	0.5	0.03	7.1	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S03-4	S04-4	27.908	25.961	0.155	547.241	0.5	0.04	8.3	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S03-4	S04-4	27.908	25.950	0.125	547.396	0.4	0.02	5.3	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S03-4	S04-4	27.908	25.955	0.132	601.085	0.5	0.03	6.8	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S03-4	S04-4	27.908	25.946	0.103	600.829	0.4	0.02	4.4	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S03-4	S04-4	27.908	25.952	0.120	649.679	0.4	0.03	5.9	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S03-4	S04-4	27.908	25.943	0.082	649.582	0.4	0.02	3.8	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S03-4	S04-4	27.908	25.949	0.110	695.885	0.4	0.02	5.3	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S03-4	S04-4	27.908	25.941	0.063	694.970	0.4	0.01	3.4	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S03-4	S04-4	27.908	25.947	0.101	740.401	0.4	0.02	4.8	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S03-4	S04-4	27.908	25.939	0.048	741.464	0.4	0.01	3.1	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-4,002-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S14-4	S13-4	27.975	26.708	0.207	41.913	1.4	0.44	88.1	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S14-4	S13-4	27.975	26.701	0.200	41.916	1.4	0.42	83.1	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S14-4	S13-4	27.975	26.673	0.176	54.660	1.3	0.31	63.0	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S14-4	S13-4	27.975	26.668	0.169	54.655	1.3	0.3	59.1	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S14-4	S13-4	27.975	26.662	0.162	68.369	1.2	0.27	54.7	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S14-4	S13-4	27.975	26.648	0.144	68.369	1.1	0.22	44.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S14-4	S13-4	27.975	26.639	0.133	80.264	1.1	0.19	38.1	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S14-4	S13-4	27.975	26.622	0.112	80.269	1.0	0.14	27.4	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S14-4	S13-4	27.975	26.626	0.117	88.288	1.0	0.15	29.6	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S14-4	S13-4	27.975	26.609	0.097	88.259	0.9	0.1	20.4	OK

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S14-4	S13-4	27.975	26.617	0.106	94.497	1.0	0.12	24.5	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S14-4	S13-4	27.975	26.601	0.087	94.469	0.9	0.08	16.5	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S14-4	S13-4	27.975	26.605	0.091	103.983	0.9	0.09	18.4	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S14-4	S13-4	27.975	26.591	0.074	103.968	0.8	0.06	12.1	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S14-4	S13-4	27.975	26.598	0.082	111.436	0.8	0.08	15.1	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S14-4	S13-4	27.975	26.585	0.073	111.445	0.8	0.05	9.8	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S14-4	S13-4	27.975	26.592	0.078	117.707	0.8	0.06	12.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S14-4	S13-4	27.975	26.580	0.079	117.659	0.7	0.04	8.3	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S14-4	S13-4	27.975	26.588	0.082	123.136	0.8	0.06	11.2	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S14-4	S13-4	27.975	26.577	0.082	123.085	0.7	0.04	7.2	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S14-4	S13-4	27.975	26.582	0.085	132.311	0.7	0.04	9.0	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S14-4	S13-4	27.975	26.572	0.086	132.312	0.7	0.03	5.8	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S14-4	S13-4	27.975	26.575	0.084	147.002	0.7	0.03	6.7	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S14-4	S13-4	27.975	26.566	0.085	147.085	0.6	0.02	4.3	OK

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S14-4	S13-4	27.975	26.569	0.079	163.892	0.6	0.02	5.0	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S14-4	S13-4	27.975	26.561	0.077	164.004	0.6	0.02	3.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S14-4	S13-4	27.975	26.565	0.073	177.622	0.6	0.02	4.0	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S14-4	S13-4	27.975	26.558	0.067	177.510	0.5	0.01	2.6	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S14-4	S13-4	27.975	26.561	0.061	200.361	0.5	0.02	3.0	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S14-4	S13-4	27.975	26.555	0.045	200.640	0.5	0.01	2.0	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S14-4	S13-4	27.975	26.558	0.050	219.673	0.5	0.01	2.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S14-4	S13-4	27.975	26.552	0.028	219.385	0.4	0.01	1.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S14-4	S13-4	27.975	26.556	0.039	237.446	0.5	0.01	2.2	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S14-4	S13-4	27.975	26.551	0.027	237.493	0.4	0.01	1.4	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S14-4	S13-4	27.975	26.554	0.030	254.343	0.5	0.01	1.9	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S14-4	S13-4	27.975	26.550	0.025	254.347	0.4	0.01	1.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S14-4	S13-4	27.975	26.553	0.029	271.067	0.5	0.01	1.8	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S14-4	S13-4	27.975	26.549	0.024	271.057	0.4	0.01	1.1	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-4.001-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S13-4	S12-4	27.975	26.086	0.198	41.717	1.3	0.68	75.1	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S13-4	S12-4	27.975	26.079	0.192	41.713	1.3	0.65	71.6	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S13-4	S12-4	27.975	26.057	0.180	54.672	1.2	0.57	63.0	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S13-4	S12-4	27.975	26.049	0.173	54.669	1.2	0.54	59.1	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S13-4	S12-4	27.975	26.041	0.169	68.486	1.1	0.49	54.6	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S13-4	S12-4	27.975	26.019	0.148	68.493	1.1	0.4	44.0	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S13-4	S12-4	27.975	26.006	0.137	80.429	1.1	0.34	38.0	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S13-4	S12-4	27.975	25.982	0.138	80.440	1.0	0.25	27.4	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S13-4	S12-4	27.975	25.987	0.158	88.292	1.1	0.27	29.5	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S13-4	S12-4	27.975	25.964	0.159	88.264	1.0	0.18	20.4	OK

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S13-4	S12-4	27.975	25.974	0.181	94.338	1.0	0.22	24.5	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S13-4	S12-4	27.975	25.952	0.182	94.306	0.9	0.15	16.6	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S13-4	S12-4	27.975	25.957	0.211	103.732	0.9	0.17	18.4	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S13-4	S12-4	27.975	25.957	0.212	103.707	0.8	0.11	12.3	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S13-4	S12-4	27.975	25.976	0.230	111.276	0.9	0.14	15.4	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S13-4	S12-4	27.975	25.977	0.231	111.274	0.8	0.09	9.9	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S13-4	S12-4	27.975	25.988	0.243	117.725	0.8	0.12	12.8	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S13-4	S12-4	27.975	25.989	0.244	117.665	0.7	0.07	8.3	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S13-4	S12-4	27.975	25.996	0.251	123.233	0.8	0.1	11.2	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S13-4	S12-4	27.975	25.998	0.253	123.166	0.7	0.07	7.2	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S13-4	S12-4	27.975	26.004	0.259	132.411	0.7	0.08	9.0	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S13-4	S12-4	27.975	26.007	0.261	132.397	0.6	0.05	5.8	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S13-4	S12-4	27.975	26.003	0.258	147.097	0.6	0.06	6.7	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S13-4	S12-4	27.975	26.006	0.260	147.166	0.6	0.04	4.3	OK

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S13-4	S12-4	27.975	25.993	0.248	163.983	0.6	0.04	5.0	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S13-4	S12-4	27.975	25.988	0.243	164.083	0.5	0.03	3.2	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S13-4	S12-4	27.975	25.981	0.236	177.719	0.6	0.04	4.0	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S13-4	S12-4	27.975	25.969	0.224	177.598	0.5	0.02	2.6	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S13-4	S12-4	27.975	25.957	0.212	200.468	0.5	0.03	3.0	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S13-4	S12-4	27.975	25.924	0.179	200.742	0.5	0.02	2.0	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S13-4	S12-4	27.975	25.934	0.189	219.754	0.5	0.02	2.5	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S13-4	S12-4	27.975	25.883	0.134	219.458	0.4	0.01	1.6	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S13-4	S12-4	27.975	25.913	0.168	237.505	0.5	0.02	2.2	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S13-4	S12-4	27.975	25.881	0.109	237.538	0.4	0.01	1.4	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S13-4	S12-4	27.975	25.894	0.148	254.400	0.5	0.02	1.9	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S13-4	S12-4	27.975	25.880	0.090	254.381	0.4	0.01	1.3	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S13-4	S12-4	27.975	25.884	0.130	271.121	0.5	0.02	1.8	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S13-4	S12-4	27.975	25.879	0.072	271.081	0.4	0.01	1.2	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-4.003-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S15-4	S14-4	27.970	27.115	0.178	39.770	1.7	0.4	89.5	OK
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S15-4	S14-4	27.970	27.108	0.172	39.768	1.7	0.38	84.1	OK
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S15-4	S14-4	27.970	27.075	0.141	51.882	1.6	0.27	59.9	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S15-4	S14-4	27.970	27.070	0.136	51.883	1.6	0.25	56.2	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S15-4	S14-4	27.970	27.065	0.131	64.917	1.5	0.23	51.9	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S15-4	S14-4	27.970	27.050	0.116	64.921	1.4	0.19	41.8	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S15-4	S14-4	27.970	27.041	0.107	76.229	1.4	0.16	36.2	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S15-4	S14-4	27.970	27.025	0.090	76.232	1.3	0.12	26.0	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S15-4	S14-4	27.970	27.028	0.094	83.829	1.3	0.13	28.1	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S15-4	S14-4	27.970	27.012	0.078	83.826	1.2	0.09	19.4	OK

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S15-4	S14-4	27.970	27.020	0.085	89.726	1.2	0.1	23.2	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S15-4	S14-4	27.970	27.004	0.070	89.698	1.1	0.07	15.6	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S15-4	S14-4	27.970	27.008	0.074	98.712	1.1	0.08	17.5	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S15-4	S14-4	27.970	26.995	0.060	98.721	1.0	0.05	11.5	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S15-4	S14-4	27.970	27.001	0.067	105.816	1.1	0.06	14.3	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S15-4	S14-4	27.970	26.989	0.054	105.783	1.0	0.04	9.3	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S15-4	S14-4	27.970	26.996	0.062	111.752	1.0	0.05	12.2	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S15-4	S14-4	27.970	26.985	0.050	111.698	0.9	0.04	7.8	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S15-4	S14-4	27.970	26.992	0.058	116.909	1.0	0.05	10.6	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S15-4	S14-4	27.970	26.982	0.046	116.870	0.9	0.03	6.8	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S15-4	S14-4	27.970	26.987	0.052	125.638	0.9	0.04	8.5	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S15-4	S14-4	27.970	26.977	0.042	125.630	0.8	0.02	5.5	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S15-4	S14-4	27.970	26.980	0.045	139.612	0.9	0.03	6.3	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S15-4	S14-4	27.970	26.972	0.036	139.639	0.7	0.02	4.1	OK

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S15-4	S14-4	27.970	26.974	0.039	155.643	0.8	0.02	4.7	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S15-4	S14-4	27.970	26.967	0.032	155.695	0.7	0.01	3.0	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S15-4	S14-4	27.970	26.971	0.035	168.627	0.7	0.02	3.8	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S15-4	S14-4	27.970	26.964	0.029	168.601	0.6	0.01	2.5	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S15-4	S14-4	27.970	26.967	0.031	190.346	0.7	0.01	2.9	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S15-4	S14-4	27.970	26.961	0.025	190.465	0.6	0.01	1.9	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S15-4	S14-4	27.970	26.964	0.028	208.940	0.6	0.01	2.4	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S15-4	S14-4	27.970	26.959	0.023	208.675	0.6	0.01	1.5	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S15-4	S14-4	27.970	26.962	0.026	225.680	0.6	0.01	2.0	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S15-4	S14-4	27.970	26.957	0.021	225.834	0.5	0.01	1.3	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S15-4	S14-4	27.970	26.961	0.025	241.592	0.6	0.01	1.8	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S15-4	S14-4	27.970	26.956	0.020	241.800	0.5	0.01	1.2	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S15-4	S14-4	27.970	26.960	0.024	257.276	0.6	0.01	1.7	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S15-4	S14-4	27.970	26.956	0.019	257.622	0.5	0	1.1	OK

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

FEH: 30 years: Increase Rainfall (%): +0: Summary Results for Sw-5.000-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S16-4	Tank	28.087	26.845	0.375	117.293	2.4	1.22	268.3	Surcharged
FEH: 30 years: +0 %: 15 mins: Winter	Pipe	S16-4	Tank	28.087	26.813	0.375	117.295	2.3	1.14	251.9	Surcharged
FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S16-4	Tank	28.087	26.599	0.282	153.055	2.0	0.8	176.7	OK
FEH: 30 years: +0 %: 30 mins: Winter	Pipe	S16-4	Tank	28.087	26.583	0.269	153.046	2.0	0.75	165.8	OK
FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S16-4	Tank	28.087	26.566	0.254	191.556	1.9	0.7	153.3	OK
FEH: 30 years: +0 %: 60 mins: Winter	Pipe	S16-4	Tank	28.087	26.527	0.220	191.562	1.8	0.56	123.3	OK
FEH: 30 years: +0 %: 120 mins: Summer	Pipe	S16-4	Tank	28.087	26.506	0.201	224.922	1.8	0.48	106.7	OK
FEH: 30 years: +0 %: 120 mins: Winter	Pipe	S16-4	Tank	28.087	26.466	0.166	224.922	1.6	0.35	76.8	OK
FEH: 30 years: +0 %: 180 mins: Summer	Pipe	S16-4	Tank	28.087	26.474	0.173	247.386	1.7	0.38	82.9	OK
FEH: 30 years: +0 %: 180 mins: Winter	Pipe	S16-4	Tank	28.087	26.437	0.140	247.383	1.5	0.26	57.1	OK

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

FEH: 30 years: +0 %: 240 mins: Summer	Pipe	S16-4	Tank	28.087	26.454	0.155	264.738	1.6	0.31	68.6	OK
FEH: 30 years: +0 %: 240 mins: Winter	Pipe	S16-4	Tank	28.087	26.420	0.124	264.750	1.4	0.21	46.1	OK
FEH: 30 years: +0 %: 360 mins: Summer	Pipe	S16-4	Tank	28.087	26.429	0.132	291.330	1.5	0.23	51.6	OK
FEH: 30 years: +0 %: 360 mins: Winter	Pipe	S16-4	Tank	28.087	26.399	0.106	291.330	1.3	0.15	34.0	OK
FEH: 30 years: +0 %: 480 mins: Summer	Pipe	S16-4	Tank	28.087	26.414	0.119	312.204	1.4	0.19	42.4	OK
FEH: 30 years: +0 %: 480 mins: Winter	Pipe	S16-4	Tank	28.087	26.386	0.094	312.189	1.3	0.12	27.4	OK
FEH: 30 years: +0 %: 600 mins: Summer	Pipe	S16-4	Tank	28.087	26.402	0.109	329.688	1.4	0.16	35.9	OK
FEH: 30 years: +0 %: 600 mins: Winter	Pipe	S16-4	Tank	28.087	26.378	0.086	329.676	1.2	0.11	23.2	OK
FEH: 30 years: +0 %: 720 mins: Summer	Pipe	S16-4	Tank	28.087	26.394	0.101	344.880	1.3	0.14	31.3	OK
FEH: 30 years: +0 %: 720 mins: Winter	Pipe	S16-4	Tank	28.087	26.371	0.080	344.910	1.2	0.09	20.2	OK
FEH: 30 years: +0 %: 960 mins: Summer	Pipe	S16-4	Tank	28.087	26.382	0.090	370.791	1.2	0.11	25.2	OK
FEH: 30 years: +0 %: 960 mins: Winter	Pipe	S16-4	Tank	28.087	26.362	0.072	370.782	1.1	0.07	16.3	OK
FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	S16-4	Tank	28.087	26.368	0.077	412.038	1.1	0.08	18.7	OK
FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	S16-4	Tank	28.087	26.351	0.062	412.038	1.0	0.05	12.1	OK

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

FEH: 30 years: +0 %: 2160 mins: Summer	Pipe	S16-4	Tank	28.087	26.356	0.066	459.222	1.1	0.06	13.9	OK
FEH: 30 years: +0 %: 2160 mins: Winter	Pipe	S16-4	Tank	28.087	26.342	0.053	459.264	0.9	0.04	9.0	OK
FEH: 30 years: +0 %: 2880 mins: Summer	Pipe	S16-4	Tank	28.087	26.349	0.060	497.796	1.0	0.05	11.3	OK
FEH: 30 years: +0 %: 2880 mins: Winter	Pipe	S16-4	Tank	28.087	26.336	0.048	497.760	0.9	0.03	7.3	OK
FEH: 30 years: +0 %: 4320 mins: Summer	Pipe	S16-4	Tank	28.087	26.340	0.052	561.444	0.9	0.04	8.5	OK
FEH: 30 years: +0 %: 4320 mins: Winter	Pipe	S16-4	Tank	28.087	26.330	0.042	561.479	0.8	0.02	5.5	OK
FEH: 30 years: +0 %: 5760 mins: Summer	Pipe	S16-4	Tank	28.087	26.335	0.047	616.158	0.9	0.03	7.0	OK
FEH: 30 years: +0 %: 5760 mins: Winter	Pipe	S16-4	Tank	28.087	26.326	0.038	616.133	0.8	0.02	4.5	OK
FEH: 30 years: +0 %: 7200 mins: Summer	Pipe	S16-4	Tank	28.087	26.332	0.044	666.474	0.8	0.03	6.1	OK
FEH: 30 years: +0 %: 7200 mins: Winter	Pipe	S16-4	Tank	28.087	26.323	0.035	666.744	0.7	0.02	3.9	OK
FEH: 30 years: +0 %: 8640 mins: Summer	Pipe	S16-4	Tank	28.087	26.329	0.041	713.421	0.8	0.02	5.4	OK
FEH: 30 years: +0 %: 8640 mins: Winter	Pipe	S16-4	Tank	28.087	26.321	0.033	713.417	0.7	0.02	3.5	OK
FEH: 30 years: +0 %: 10080 mins: Summer	Pipe	S16-4	Tank	28.087	26.327	0.039	758.778	0.8	0.02	4.9	OK
FEH: 30 years: +0 %: 10080 mins: Winter	Pipe	S16-4	Tank	28.087	26.319	0.032	759.252	0.7	0.01	3.2	OK

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.006-4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.066	0.291	244.494	4.6	0.94	443.4	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.053	0.292	244.534	4.5	0.91	429.5	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.036	0.316	317.343	4.1	0.78	369.3	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.019	0.318	317.329	4.0	0.73	346.7	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.015	0.406	395.243	3.2	0.68	320.3	OK

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

FEH: 30 years: +40 %: 60 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	25.967	0.406	395.201	3.3	0.53	252.7	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.041	0.450	462.353	2.8	0.46	218.7	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.041	0.450	462.374	2.8	0.34	160.6	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.090	0.450	507.521	2.6	0.37	173.3	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.090	0.450	507.498	2.6	0.25	120.0	OK
FEH: 30 years: +40 %: 240 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.126	0.450	542.473	2.5	0.3	143.9	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.127	0.450	542.451	2.4	0.2	96.5	Surcharged

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

FEH: 30 years: +40 %: 360 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.177	0.450	596.577	2.3	0.23	107.5	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.178	0.450	596.641	2.1	0.15	71.0	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.212	0.450	639.638	2.1	0.18	85.8	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.213	0.450	639.733	2.0	0.12	56.4	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.238	0.450	676.165	2.0	0.16	74.0	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.239	0.450	676.215	1.8	0.1	47.4	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.257	0.450	708.292	1.9	0.14	63.9	Surcharged

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

FEH: 30 years: +40 %: 720 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.259	0.450	708.231	1.7	0.09	41.4	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.284	0.450	763.500	1.8	0.11	51.7	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.286	0.450	763.462	1.6	0.07	33.2	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.309	0.450	853.649	1.6	0.08	38.2	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.314	0.450	853.543	1.4	0.05	24.6	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.310	0.450	958.378	1.5	0.06	28.4	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.318	0.450	958.495	1.2	0.04	18.3	Surcharged

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

FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.303	0.450	1043.004	1.4	0.05	23.0	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.304	0.450	1043.005	1.1	0.03	14.9	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.289	0.450	1177.256	1.3	0.04	17.4	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.277	0.450	1177.013	1.0	0.02	11.2	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.279	0.450	1292.171	1.2	0.03	14.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.250	0.450	1292.320	0.9	0.02	9.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.271	0.450	1397.741	1.2	0.03	12.4	Surcharged

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

FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.222	0.450	1397.266	0.9	0.02	8.0	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.264	0.450	1496.237	1.1	0.02	11.1	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.194	0.450	1495.731	0.8	0.02	7.2	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.257	0.450	1590.658	1.1	0.02	10.1	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.166	0.450	1590.925	0.8	0.01	6.5	Surcharged

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-4.000-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S12-4	Tank	27.975	25.836	0.225	64.586	2.5	0.43	115.5	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S12-4	Tank	27.975	25.831	0.225	64.581	2.5	0.41	110.5	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S12-4	Tank	27.975	25.865	0.320	83.456	2.2	0.36	96.3	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S12-4	Tank	27.975	25.865	0.320	83.470	2.1	0.34	90.6	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S12-4	Tank	27.975	25.963	0.375	102.048	1.8	0.32	86.8	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S12-4	Tank	27.975	25.963	0.375	102.048	1.9	0.26	70.2	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S12-4	Tank	27.975	26.041	0.375	118.496	1.6	0.21	55.7	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S12-4	Tank	27.975	26.041	0.375	118.474	1.6	0.15	41.6	Surcharged
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S12-4	Tank	27.975	26.090	0.375	129.900	1.5	0.16	44.3	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S12-4	Tank	27.975	26.090	0.375	129.888	1.5	0.11	30.0	Surcharged

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S12-4	Tank	27.975	26.126	0.375	138.887	1.4	0.13	36.0	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S12-4	Tank	27.975	26.127	0.375	138.874	1.4	0.09	24.2	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S12-4	Tank	27.975	26.177	0.375	153.023	1.3	0.1	27.1	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S12-4	Tank	27.975	26.178	0.375	153.027	1.2	0.07	17.8	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S12-4	Tank	27.975	26.212	0.375	164.477	1.2	0.08	22.2	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S12-4	Tank	27.975	26.213	0.375	164.503	1.1	0.05	14.4	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S12-4	Tank	27.975	26.238	0.375	174.306	1.2	0.07	18.8	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S12-4	Tank	27.975	26.239	0.375	174.291	1.0	0.04	12.2	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S12-4	Tank	27.975	26.257	0.375	182.948	1.1	0.06	16.4	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S12-4	Tank	27.975	26.259	0.375	182.953	1.0	0.04	10.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S12-4	Tank	27.975	26.284	0.375	197.928	1.1	0.05	13.3	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S12-4	Tank	27.975	26.286	0.375	197.864	0.9	0.03	8.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S12-4	Tank	27.975	26.309	0.375	223.236	1.0	0.04	9.9	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S12-4	Tank	27.975	26.314	0.375	223.094	0.8	0.02	6.4	Surcharged

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S12-4	Tank	27.975	26.310	0.375	255.038	0.9	0.03	7.3	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S12-4	Tank	27.975	26.318	0.375	254.971	0.7	0.02	4.7	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S12-4	Tank	27.975	26.303	0.375	279.850	0.8	0.02	6.0	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S12-4	Tank	27.975	26.304	0.375	279.810	0.6	0.01	3.9	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S12-4	Tank	27.975	26.289	0.375	316.301	0.8	0.02	4.5	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S12-4	Tank	27.975	26.277	0.375	315.893	0.6	0.01	2.9	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S12-4	Tank	27.975	26.279	0.375	347.285	0.7	0.01	3.7	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S12-4	Tank	27.975	26.250	0.375	347.338	0.5	0.01	2.4	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S12-4	Tank	27.975	26.271	0.375	375.400	0.7	0.01	3.2	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S12-4	Tank	27.975	26.222	0.375	375.796	0.5	0.01	2.1	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S12-4	Tank	27.975	26.264	0.375	401.572	0.7	0.01	2.9	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S12-4	Tank	27.975	26.194	0.375	402.303	0.4	0.01	1.9	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S12-4	Tank	27.975	26.257	0.375	427.366	0.6	0.01	2.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S12-4	Tank	27.975	26.166	0.375	427.770	0.4	0.01	1.7	Surcharged

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.004- 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S04-4	S05-4	27.886	26.772	0.450	237.053	2.7	2.74	431.5	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S04-4	S05-4	27.886	26.725	0.450	237.090	2.6	2.64	416.0	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S04-4	S05-4	27.886	26.551	0.450	308.621	2.2	2.27	357.7	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S04-4	S05-4	27.886	26.494	0.450	308.597	2.1	2.13	335.7	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S04-4	S05-4	27.886	26.428	0.450	385.081	2.0	1.97	310.3	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S04-4	S05-4	27.886	26.207	0.450	385.036	1.5	1.56	245.5	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S04-4	S05-4	27.886	26.158	0.421	450.692	1.4	1.35	212.5	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S04-4	S05-4	27.886	26.064	0.346	450.696	1.2	0.99	155.2	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S04-4	S05-4	27.886	26.090	0.395	494.718	1.2	1.06	167.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S04-4	S05-4	27.886	26.090	0.395	494.688	1.1	0.73	115.7	OK

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S04-4	S05-4	27.886	26.126	0.431	528.724	1.2	0.88	138.9	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S04-4	S05-4	27.886	26.126	0.431	528.698	1.1	0.59	93.3	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S04-4	S05-4	27.886	26.177	0.450	581.215	1.1	0.66	104.3	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S04-4	S05-4	27.886	26.178	0.450	581.231	1.0	0.43	68.3	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S04-4	S05-4	27.886	26.212	0.450	622.876	1.0	0.54	85.1	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S04-4	S05-4	27.886	26.213	0.450	622.923	0.9	0.35	55.2	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S04-4	S05-4	27.886	26.238	0.450	658.111	1.0	0.46	72.3	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S04-4	S05-4	27.886	26.239	0.450	658.146	0.9	0.3	46.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S04-4	S05-4	27.886	26.257	0.450	689.114	0.9	0.4	63.0	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S04-4	S05-4	27.886	26.259	0.450	689.051	0.8	0.26	40.5	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S04-4	S05-4	27.886	26.284	0.450	742.278	0.8	0.32	50.7	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S04-4	S05-4	27.886	26.286	0.450	742.206	0.8	0.21	32.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S04-4	S05-4	27.886	26.309	0.450	828.647	0.7	0.24	37.5	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S04-4	S05-4	27.886	26.314	0.450	828.585	0.7	0.15	24.2	Surcharged

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

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S04-4	S05-4	27.886	26.310	0.450	927.916	0.7	0.18	27.8	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S04-4	S05-4	27.886	26.318	0.450	928.020	0.6	0.11	17.9	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S04-4	S05-4	27.886	26.303	0.450	1007.200	0.6	0.14	22.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S04-4	S05-4	27.886	26.304	0.450	1007.265	0.6	0.09	14.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S04-4	S05-4	27.886	26.289	0.450	1136.444	0.6	0.11	17.0	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S04-4	S05-4	27.886	26.277	0.450	1136.190	0.5	0.07	11.0	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S04-4	S05-4	27.886	26.279	0.450	1247.359	0.6	0.09	14.0	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S04-4	S05-4	27.886	26.250	0.450	1247.369	0.5	0.06	9.0	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S04-4	S05-4	27.886	26.271	0.450	1349.342	0.5	0.08	12.1	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S04-4	S05-4	27.886	26.222	0.450	1349.028	0.5	0.05	7.8	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S04-4	S05-4	27.886	26.264	0.450	1444.573	0.5	0.07	10.8	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S04-4	S05-4	27.886	26.194	0.450	1444.092	0.5	0.04	7.0	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S04-4	S05-4	27.886	26.257	0.450	1535.713	0.5	0.06	9.9	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S04-4	S05-4	27.886	26.166	0.450	1535.980	0.5	0.04	6.4	Surcharged

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.005-4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.502	0.450	245.327	2.8	2.82	449.4	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.473	0.450	245.369	2.7	2.72	433.0	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.366	0.450	319.114	2.3	2.33	370.6	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.332	0.450	319.092	2.2	2.18	347.7	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.291	0.450	397.951	2.0	2.02	321.5	Surcharged

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

FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.106	0.360	397.916	1.9	1.59	253.7	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.075	0.364	465.705	1.8	1.38	219.7	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.041	0.364	465.715	1.6	1.01	160.7	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.090	0.414	511.216	1.6	1.09	173.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.090	0.414	511.185	1.5	0.75	119.8	OK
FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.126	0.450	546.389	1.5	0.9	143.8	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.126	0.450	546.350	1.5	0.61	96.7	OK

FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.177	0.450	600.721	1.5	0.68	107.9	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.178	0.450	600.687	1.5	0.45	71.8	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.212	0.450	643.860	1.5	0.55	87.7	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.213	0.450	643.764	1.4	0.36	57.0	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.238	0.450	680.256	1.4	0.47	74.6	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.239	0.450	680.355	1.3	0.3	48.2	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.257	0.450	712.411	1.3	0.41	65.0	Surcharged

FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.259	0.450	712.416	1.3	0.26	41.9	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.284	0.450	767.550	1.3	0.33	52.3	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.286	0.450	767.512	1.2	0.21	33.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.309	0.450	857.191	1.1	0.24	38.7	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.314	0.450	857.085	1.1	0.16	24.9	Surcharged
FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.310	0.450	960.503	1.0	0.18	28.7	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.318	0.450	960.620	1.0	0.12	18.5	Surcharged

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

FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.303	0.450	1043.348	1.0	0.15	23.3	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.304	0.450	1043.330	0.9	0.09	15.0	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.289	0.450	1177.248	0.9	0.11	17.5	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.277	0.450	1177.006	0.8	0.07	11.3	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.279	0.450	1292.165	0.9	0.09	14.5	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.250	0.450	1292.313	0.8	0.06	9.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.271	0.450	1397.736	0.8	0.08	12.5	Surcharged

FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.222	0.450	1397.259	0.8	0.05	8.1	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.264	0.450	1496.231	0.8	0.07	11.2	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.194	0.450	1495.724	0.7	0.05	7.2	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.257	0.450	1590.653	0.8	0.06	10.2	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.166	0.450	1590.919	0.7	0.04	6.6	Surcharged

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.002-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S02-4	S03-4	27.946	27.111	0.450	81.539	1.0	1.05	165.8	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S02-4	S03-4	27.946	27.055	0.450	81.551	1.0	1.04	164.6	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S02-4	S03-4	27.946	26.894	0.450	106.300	0.8	0.77	122.7	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S02-4	S03-4	27.946	26.797	0.450	106.278	0.7	0.73	115.1	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S02-4	S03-4	27.946	26.683	0.450	132.989	0.7	0.67	106.4	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S02-4	S03-4	27.946	26.364	0.405	132.947	0.7	0.53	83.1	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S02-4	S03-4	27.946	26.270	0.309	155.939	0.7	0.46	72.2	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S02-4	S03-4	27.946	26.185	0.216	155.955	0.7	0.34	53.3	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S02-4	S03-4	27.946	26.198	0.231	171.137	0.7	0.36	57.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S02-4	S03-4	27.946	26.149	0.173	171.114	0.7	0.25	39.6	OK

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S02-4	S03-4	27.946	26.170	0.197	182.777	0.7	0.3	47.6	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S02-4	S03-4	27.946	26.130	0.182	182.757	0.7	0.2	32.0	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S02-4	S03-4	27.946	26.177	0.232	200.701	0.7	0.23	35.8	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S02-4	S03-4	27.946	26.177	0.233	200.703	0.6	0.15	23.6	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S02-4	S03-4	27.946	26.212	0.267	214.949	0.7	0.19	29.4	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S02-4	S03-4	27.946	26.213	0.268	214.932	0.6	0.12	19.0	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S02-4	S03-4	27.946	26.238	0.293	227.022	0.6	0.16	24.9	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S02-4	S03-4	27.946	26.239	0.294	227.029	0.6	0.1	16.1	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S02-4	S03-4	27.946	26.258	0.313	237.651	0.6	0.14	21.7	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S02-4	S03-4	27.946	26.259	0.314	237.641	0.6	0.09	14.0	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S02-4	S03-4	27.946	26.284	0.340	255.938	0.6	0.11	17.5	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S02-4	S03-4	27.946	26.286	0.342	255.901	0.5	0.07	11.3	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S02-4	S03-4	27.946	26.309	0.365	285.662	0.5	0.08	13.0	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S02-4	S03-4	27.946	26.314	0.369	285.622	0.5	0.05	8.4	OK

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

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S02-4	S03-4	27.946	26.310	0.366	318.812	0.5	0.06	9.6	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S02-4	S03-4	27.946	26.318	0.374	318.802	0.4	0.04	6.2	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S02-4	S03-4	27.946	26.303	0.359	345.275	0.5	0.05	7.8	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S02-4	S03-4	27.946	26.304	0.360	345.318	0.4	0.03	5.0	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S02-4	S03-4	27.946	26.289	0.345	389.592	0.4	0.04	5.9	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S02-4	S03-4	27.946	26.277	0.333	389.683	0.4	0.02	3.8	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S02-4	S03-4	27.946	26.279	0.334	427.809	0.4	0.03	4.9	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S02-4	S03-4	27.946	26.250	0.306	427.805	0.4	0.02	3.1	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S02-4	S03-4	27.946	26.271	0.326	462.542	0.4	0.03	4.2	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S02-4	S03-4	27.946	26.222	0.278	462.849	0.4	0.02	2.7	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S02-4	S03-4	27.946	26.264	0.319	495.145	0.4	0.02	3.7	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S02-4	S03-4	27.946	26.194	0.249	494.826	0.3	0.02	2.4	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S02-4	S03-4	27.946	26.257	0.313	526.574	0.4	0.02	3.4	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S02-4	S03-4	27.946	26.166	0.221	526.826	0.3	0.01	2.2	OK

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.000- 4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S01-4	S02-4	27.945	27.171	0.450	57.411	0.8	0.81	127.9	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S01-4	S02-4	27.945	27.106	0.450	57.408	0.8	0.76	120.1	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S01-4	S02-4	27.945	26.919	0.450	74.849	0.6	0.54	86.4	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S01-4	S02-4	27.945	26.819	0.450	74.846	0.6	0.51	81.1	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S01-4	S02-4	27.945	26.701	0.450	93.643	0.6	0.47	74.9	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S01-4	S02-4	27.945	26.379	0.356	93.641	0.6	0.38	59.6	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S01-4	S02-4	27.945	26.293	0.266	109.955	0.6	0.33	51.7	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S01-4	S02-4	27.945	26.215	0.185	109.963	0.6	0.24	37.5	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S01-4	S02-4	27.945	26.226	0.196	120.914	0.6	0.26	40.5	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S01-4	S02-4	27.945	26.184	0.151	120.906	0.6	0.18	27.9	OK

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S01-4	S02-4	27.945	26.202	0.170	129.295	0.6	0.21	33.5	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S01-4	S02-4	27.945	26.167	0.133	129.275	0.6	0.14	22.5	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S01-4	S02-4	27.945	26.177	0.162	142.141	0.6	0.16	25.2	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S01-4	S02-4	27.945	26.177	0.162	142.133	0.5	0.1	16.6	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S01-4	S02-4	27.945	26.212	0.197	152.266	0.6	0.13	20.7	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S01-4	S02-4	27.945	26.213	0.197	152.258	0.5	0.08	13.4	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S01-4	S02-4	27.945	26.238	0.222	160.798	0.5	0.11	17.5	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S01-4	S02-4	27.945	26.239	0.223	160.802	0.5	0.07	11.3	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S01-4	S02-4	27.945	26.258	0.242	168.249	0.5	0.1	15.3	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S01-4	S02-4	27.945	26.259	0.243	168.246	0.5	0.06	9.9	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S01-4	S02-4	27.945	26.284	0.269	180.966	0.5	0.08	12.3	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S01-4	S02-4	27.945	26.286	0.271	180.980	0.5	0.05	8.0	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S01-4	S02-4	27.945	26.309	0.294	201.459	0.5	0.06	9.1	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S01-4	S02-4	27.945	26.314	0.298	201.454	0.4	0.04	5.9	OK

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

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S01-4	S02-4	27.945	26.310	0.295	224.554	0.4	0.04	6.8	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S01-4	S02-4	27.945	26.318	0.303	224.519	0.4	0.03	4.4	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S01-4	S02-4	27.945	26.303	0.288	243.254	0.4	0.03	5.5	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S01-4	S02-4	27.945	26.304	0.289	243.339	0.4	0.02	3.6	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S01-4	S02-4	27.945	26.289	0.274	274.391	0.4	0.03	4.2	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S01-4	S02-4	27.945	26.277	0.262	274.470	0.3	0.02	2.7	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S01-4	S02-4	27.945	26.279	0.263	301.107	0.4	0.02	3.4	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S01-4	S02-4	27.945	26.250	0.235	301.181	0.3	0.01	2.2	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S01-4	S02-4	27.945	26.271	0.255	325.838	0.3	0.02	3.0	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S01-4	S02-4	27.945	26.222	0.207	325.906	0.3	0.01	1.9	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S01-4	S02-4	27.945	26.264	0.248	348.818	0.3	0.02	2.6	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S01-4	S02-4	27.945	26.194	0.178	348.888	0.3	0.01	1.7	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S01-4	S02-4	27.945	26.257	0.242	370.635	0.3	0.02	2.4	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S01-4	S02-4	27.945	26.166	0.150	370.635	0.3	0.01	1.6	OK

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.007-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Tank	S07-4	27.850	25.770	0.225	8.295	0.4	0.18	6.8	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	Tank	S07-4	27.850	25.770	0.225	8.361	0.4	0.2	7.3	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	Tank	S07-4	27.850	25.865	0.225	17.071	0.4	0.17	6.5	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	Tank	S07-4	27.850	25.865	0.225	17.168	0.4	0.17	6.2	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	Tank	S07-4	27.850	25.963	0.225	34.348	0.3	0.16	6.1	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	Tank	S07-4	27.850	25.963	0.225	34.421	0.3	0.16	6.0	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	Tank	S07-4	27.850	26.041	0.225	67.843	0.3	0.16	5.9	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	Tank	S07-4	27.850	26.041	0.225	67.900	0.3	0.16	5.8	Surcharged
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	Tank	S07-4	27.850	26.090	0.225	99.586	0.3	0.16	5.8	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	Tank	S07-4	27.850	26.090	0.225	99.628	0.3	0.16	5.8	Surcharged

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	Tank	S07-4	27.850	26.127	0.225	129.543	0.3	0.16	5.8	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	Tank	S07-4	27.850	26.127	0.225	129.575	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	Tank	S07-4	27.850	26.177	0.225	190.824	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	Tank	S07-4	27.850	26.178	0.225	191.011	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	Tank	S07-4	27.850	26.212	0.225	256.070	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	Tank	S07-4	27.850	26.213	0.225	256.349	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	Tank	S07-4	27.850	26.238	0.225	322.413	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	Tank	S07-4	27.850	26.239	0.225	322.672	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	Tank	S07-4	27.850	26.257	0.225	388.970	0.3	0.15	5.7	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	Tank	S07-4	27.850	26.259	0.225	389.153	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	Tank	S07-4	27.850	26.284	0.225	522.320	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	Tank	S07-4	27.850	26.286	0.225	522.344	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	Tank	S07-4	27.850	26.309	0.225	793.506	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	Tank	S07-4	27.850	26.314	0.225	793.378	0.3	0.15	5.6	Surcharged

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

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	Tank	S07-4	27.850	26.310	0.225	1214.258	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	Tank	S07-4	27.850	26.318	0.225	1215.104	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	Tank	S07-4	27.850	26.303	0.225	1642.870	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	Tank	S07-4	27.850	26.304	0.225	1646.787	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	Tank	S07-4	27.850	26.289	0.225	2258.912	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	Tank	S07-4	27.850	26.277	0.225	2259.147	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	Tank	S07-4	27.850	26.279	0.225	2493.926	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	Tank	S07-4	27.850	26.250	0.225	2494.516	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	Tank	S07-4	27.850	26.271	0.225	2700.991	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	Tank	S07-4	27.850	26.222	0.225	2701.368	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	Tank	S07-4	27.850	26.264	0.225	2892.988	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	Tank	S07-4	27.850	26.194	0.225	2893.679	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	Tank	S07-4	27.850	26.257	0.225	3077.240	0.3	0.15	5.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	Tank	S07-4	27.850	26.166	0.225	3078.123	0.3	0.15	5.6	Surcharged

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-5.000- 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.955	0.300	13.837	1.7	1.21	118.1	Flood
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.954	0.300	13.773	1.6	1.16	113.3	Flood
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.906	0.300	17.874	0.7	0.21	20.6	Flood Risk
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.808	0.300	17.863	0.8	0.2	19.4	Flood Risk
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.693	0.300	22.350	0.8	0.18	18.0	Flood Risk
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.426	0.154	22.361	0.9	0.15	14.4	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.422	0.105	26.267	0.8	0.13	12.5	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.413	0.062	26.292	0.9	0.09	9.0	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.415	0.065	28.912	0.9	0.1	9.7	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.404	0.053	28.901	0.8	0.07	6.7	OK

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.409	0.059	30.942	0.8	0.08	8.0	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.399	0.048	30.947	0.7	0.06	5.4	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.401	0.051	34.050	0.8	0.06	6.0	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.392	0.041	34.031	0.7	0.04	4.0	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.397	0.047	36.471	0.7	0.05	4.9	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.388	0.046	36.469	0.6	0.03	3.2	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.393	0.059	38.523	0.7	0.04	4.2	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.385	0.059	38.538	0.6	0.03	2.7	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.390	0.069	40.317	0.7	0.04	3.7	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.382	0.068	40.302	0.6	0.02	2.4	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.386	0.081	43.352	0.6	0.03	2.9	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.379	0.082	43.340	0.5	0.02	1.9	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.381	0.093	48.184	0.6	0.02	2.2	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.375	0.095	48.150	0.5	0.01	1.4	OK

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

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.377	0.093	53.640	0.5	0.02	1.6	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.372	0.097	53.655	0.5	0.01	1.0	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.375	0.090	58.094	0.5	0.01	1.3	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.370	0.090	58.097	0.4	0.01	0.9	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.371	0.083	65.534	0.4	0.01	1.0	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.368	0.076	65.464	0.4	0.01	0.6	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.370	0.077	72.205	0.4	0.01	0.8	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.366	0.063	72.067	0.4	0.01	0.5	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.368	0.073	77.846	0.4	0.01	0.7	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.365	0.049	78.086	0.3	0	0.5	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.367	0.070	83.354	0.4	0.01	0.6	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.364	0.035	83.079	0.3	0	0.4	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.367	0.067	88.785	0.4	0.01	0.6	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.364	0.021	89.151	0.3	0	0.4	OK

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.008 - 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S07-4	EX	27.633	25.767	0.039	7.267	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S07-4	EX	27.633	25.767	0.039	7.333	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S07-4	EX	27.633	25.862	0.039	15.940	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S07-4	EX	27.633	25.861	0.039	16.037	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S07-4	EX	27.633	25.960	0.039	33.113	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S07-4	EX	27.633	25.960	0.039	33.185	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S07-4	EX	27.633	26.039	0.039	66.533	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S07-4	EX	27.633	26.039	0.039	66.589	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S07-4	EX	27.633	26.088	0.039	98.232	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S07-4	EX	27.633	26.088	0.039	98.273	1.2	0.06	5.6	Surcharged

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S07-4	EX	27.633	26.124	0.039	128.159	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S07-4	EX	27.633	26.124	0.039	128.191	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S07-4	EX	27.633	26.175	0.039	189.406	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S07-4	EX	27.633	26.175	0.039	189.593	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S07-4	EX	27.633	26.210	0.039	254.637	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S07-4	EX	27.633	26.211	0.039	254.916	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S07-4	EX	27.633	26.235	0.039	320.977	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S07-4	EX	27.633	26.237	0.039	321.236	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S07-4	EX	27.633	26.255	0.039	387.538	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S07-4	EX	27.633	26.256	0.039	387.721	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S07-4	EX	27.633	26.281	0.039	520.909	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S07-4	EX	27.633	26.284	0.039	520.933	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S07-4	EX	27.633	26.307	0.039	792.173	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S07-4	EX	27.633	26.311	0.039	792.045	1.2	0.06	5.6	Surcharged

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

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S07-4	EX	27.633	26.308	0.039	1213.098	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S07-4	EX	27.633	26.316	0.039	1213.945	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S07-4	EX	27.633	26.301	0.039	1641.924	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S07-4	EX	27.633	26.302	0.039	1645.844	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S07-4	EX	27.633	26.287	0.039	2258.831	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S07-4	EX	27.633	26.275	0.039	2259.071	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S07-4	EX	27.633	26.276	0.039	2493.901	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S07-4	EX	27.633	26.248	0.039	2494.493	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S07-4	EX	27.633	26.268	0.039	2700.983	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S07-4	EX	27.633	26.220	0.039	2701.360	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S07-4	EX	27.633	26.261	0.039	2892.984	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S07-4	EX	27.633	26.192	0.039	2893.676	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S07-4	EX	27.633	26.255	0.039	3077.237	1.2	0.06	5.6	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S07-4	EX	27.633	26.163	0.039	3078.120	1.2	0.06	5.6	Surcharged

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-1.003-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S03-4	S04-4	27.908	27.089	0.450	160.246	1.6	1.12	256.2	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S03-4	S04-4	27.908	27.028	0.450	160.264	1.6	1.1	251.1	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S03-4	S04-4	27.908	26.830	0.450	209.051	1.5	1.06	241.2	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S03-4	S04-4	27.908	26.740	0.450	209.012	1.4	0.99	226.4	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S03-4	S04-4	27.908	26.635	0.450	261.108	1.3	0.92	209.2	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S03-4	S04-4	27.908	26.335	0.450	261.043	1.0	0.72	164.6	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S03-4	S04-4	27.908	26.236	0.395	305.446	1.0	0.63	142.6	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S03-4	S04-4	27.908	26.135	0.297	305.445	0.9	0.46	104.7	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S03-4	S04-4	27.908	26.153	0.317	335.074	1.0	0.5	112.9	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S03-4	S04-4	27.908	26.090	0.288	335.040	0.9	0.34	78.0	OK

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S03-4	S04-4	27.908	26.126	0.324	357.880	0.9	0.41	93.6	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S03-4	S04-4	27.908	26.126	0.324	357.856	0.9	0.28	63.0	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S03-4	S04-4	27.908	26.177	0.375	393.117	0.9	0.31	70.4	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S03-4	S04-4	27.908	26.177	0.375	393.122	0.8	0.2	46.4	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S03-4	S04-4	27.908	26.212	0.410	421.134	0.8	0.25	57.8	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S03-4	S04-4	27.908	26.213	0.411	421.132	0.7	0.16	37.4	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S03-4	S04-4	27.908	26.238	0.436	444.876	0.8	0.21	49.0	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S03-4	S04-4	27.908	26.239	0.437	444.869	0.7	0.14	31.6	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S03-4	S04-4	27.908	26.257	0.450	465.788	0.7	0.19	42.7	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S03-4	S04-4	27.908	26.259	0.450	465.727	0.7	0.12	27.6	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S03-4	S04-4	27.908	26.284	0.450	501.742	0.7	0.15	34.5	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S03-4	S04-4	27.908	26.286	0.450	501.663	0.6	0.1	22.2	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S03-4	S04-4	27.908	26.309	0.450	560.287	0.6	0.11	25.5	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S03-4	S04-4	27.908	26.314	0.450	560.235	0.6	0.07	16.5	OK

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

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S03-4	S04-4	27.908	26.310	0.450	626.818	0.6	0.08	19.0	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S03-4	S04-4	27.908	26.318	0.450	626.860	0.5	0.05	12.2	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S03-4	S04-4	27.908	26.303	0.450	679.134	0.5	0.07	15.4	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S03-4	S04-4	27.908	26.304	0.450	679.165	0.5	0.04	9.9	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S03-4	S04-4	27.908	26.289	0.450	766.414	0.5	0.05	11.6	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S03-4	S04-4	27.908	26.277	0.450	766.097	0.5	0.03	7.5	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S03-4	S04-4	27.908	26.279	0.450	841.103	0.5	0.04	9.6	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S03-4	S04-4	27.908	26.250	0.448	841.229	0.4	0.03	6.2	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S03-4	S04-4	27.908	26.271	0.450	909.362	0.4	0.04	8.3	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S03-4	S04-4	27.908	26.222	0.420	909.687	0.4	0.02	5.3	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S03-4	S04-4	27.908	26.264	0.450	973.967	0.4	0.03	7.4	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S03-4	S04-4	27.908	26.194	0.392	973.781	0.4	0.02	4.8	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S03-4	S04-4	27.908	26.257	0.450	1035.290	0.4	0.03	6.7	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S03-4	S04-4	27.908	26.166	0.364	1035.766	0.4	0.02	4.3	OK

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-4,002-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S14-4	S13-4	27.975	26.753	0.263	58.634	1.5	0.62	124.1	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S14-4	S13-4	27.975	26.744	0.252	58.651	1.5	0.58	116.6	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S14-4	S13-4	27.975	26.703	0.218	76.490	1.4	0.44	88.2	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S14-4	S13-4	27.975	26.697	0.209	76.496	1.4	0.41	82.8	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S14-4	S13-4	27.975	26.690	0.199	95.760	1.3	0.38	76.5	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S14-4	S13-4	27.975	26.671	0.173	95.764	1.2	0.31	61.6	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S14-4	S13-4	27.975	26.660	0.160	112.471	1.2	0.27	53.3	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S14-4	S13-4	27.975	26.639	0.134	112.449	1.1	0.19	38.3	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S14-4	S13-4	27.975	26.644	0.139	123.693	1.1	0.21	41.4	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S14-4	S13-4	27.975	26.624	0.135	123.683	1.0	0.14	28.5	OK

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S14-4	S13-4	27.975	26.633	0.153	132.377	1.1	0.17	34.3	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S14-4	S13-4	27.975	26.614	0.152	132.377	1.0	0.12	23.0	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S14-4	S13-4	27.975	26.619	0.176	145.649	1.0	0.13	25.8	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S14-4	S13-4	27.975	26.602	0.175	145.633	0.9	0.08	17.0	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S14-4	S13-4	27.975	26.610	0.193	156.053	1.0	0.11	21.2	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S14-4	S13-4	27.975	26.594	0.192	156.058	0.8	0.07	13.7	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S14-4	S13-4	27.975	26.604	0.205	164.817	0.9	0.09	17.9	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S14-4	S13-4	27.975	26.589	0.204	164.790	0.8	0.06	11.6	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S14-4	S13-4	27.975	26.599	0.214	172.422	0.9	0.08	15.6	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S14-4	S13-4	27.975	26.585	0.214	172.399	0.8	0.05	10.1	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S14-4	S13-4	27.975	26.592	0.226	185.303	0.8	0.06	12.6	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S14-4	S13-4	27.975	26.580	0.227	185.254	0.7	0.04	8.1	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S14-4	S13-4	27.975	26.583	0.238	205.919	0.8	0.05	9.3	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S14-4	S13-4	27.975	26.573	0.240	205.802	0.7	0.03	6.0	OK

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

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S14-4	S13-4	27.975	26.576	0.237	229.523	0.7	0.03	7.0	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S14-4	S13-4	27.975	26.567	0.242	229.424	0.6	0.02	4.5	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S14-4	S13-4	27.975	26.571	0.234	248.793	0.7	0.03	5.7	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S14-4	S13-4	27.975	26.563	0.235	248.629	0.6	0.02	3.6	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S14-4	S13-4	27.975	26.566	0.227	280.396	0.6	0.02	4.2	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S14-4	S13-4	27.975	26.559	0.221	280.198	0.5	0.01	2.7	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S14-4	S13-4	27.975	26.563	0.222	307.981	0.6	0.02	3.5	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S14-4	S13-4	27.975	26.556	0.207	308.083	0.5	0.01	2.3	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S14-4	S13-4	27.975	26.560	0.218	332.747	0.5	0.02	3.0	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S14-4	S13-4	27.975	26.555	0.194	333.292	0.5	0.01	2.0	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S14-4	S13-4	27.975	26.559	0.214	356.052	0.5	0.01	2.7	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S14-4	S13-4	27.975	26.553	0.179	356.750	0.5	0.01	1.7	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S14-4	S13-4	27.975	26.558	0.211	378.578	0.5	0.01	2.5	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S14-4	S13-4	27.975	26.552	0.165	378.611	0.4	0.01	1.6	OK

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-4.001-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S13-4	S12-4	27.975	26.152	0.249	58.543	1.3	0.95	104.5	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S13-4	S12-4	27.975	26.140	0.240	58.544	1.3	0.91	100.0	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S13-4	S12-4	27.975	26.111	0.230	76.567	1.2	0.79	87.2	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S13-4	S12-4	27.975	26.099	0.220	76.575	1.2	0.74	81.8	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S13-4	S12-4	27.975	26.088	0.217	94.038	1.2	0.69	76.7	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S13-4	S12-4	27.975	26.054	0.217	94.041	1.2	0.56	61.7	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S13-4	S12-4	27.975	26.041	0.296	109.092	1.1	0.48	53.1	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S13-4	S12-4	27.975	26.041	0.296	109.072	1.1	0.34	38.1	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S13-4	S12-4	27.975	26.090	0.345	119.354	1.1	0.38	41.9	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S13-4	S12-4	27.975	26.091	0.345	119.337	1.0	0.26	28.7	OK

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S13-4	S12-4	27.975	26.127	0.375	127.398	1.0	0.31	34.4	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S13-4	S12-4	27.975	26.127	0.375	127.390	1.0	0.21	23.1	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S13-4	S12-4	27.975	26.177	0.375	139.982	0.9	0.23	25.8	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S13-4	S12-4	27.975	26.178	0.375	139.961	0.9	0.15	17.0	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S13-4	S12-4	27.975	26.212	0.375	150.121	0.8	0.19	21.2	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S13-4	S12-4	27.975	26.213	0.375	150.124	0.8	0.12	13.7	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S13-4	S12-4	27.975	26.238	0.375	158.816	0.8	0.16	17.9	Surcharged
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S13-4	S12-4	27.975	26.239	0.375	158.791	0.7	0.1	11.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S13-4	S12-4	27.975	26.258	0.375	166.476	0.7	0.14	15.6	Surcharged
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S13-4	S12-4	27.975	26.259	0.375	166.457	0.7	0.09	10.1	Surcharged
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S13-4	S12-4	27.975	26.284	0.375	179.725	0.7	0.11	12.6	Surcharged
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S13-4	S12-4	27.975	26.287	0.375	179.682	0.7	0.07	8.1	Surcharged
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S13-4	S12-4	27.975	26.310	0.375	201.911	0.6	0.08	9.3	Surcharged
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S13-4	S12-4	27.975	26.314	0.375	201.802	0.6	0.05	6.0	Surcharged

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S13-4	S12-4	27.975	26.311	0.375	228.961	0.6	0.06	6.9	Surcharged
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S13-4	S12-4	27.975	26.319	0.375	228.877	0.6	0.04	4.5	Surcharged
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S13-4	S12-4	27.975	26.304	0.375	248.811	0.6	0.05	5.6	Surcharged
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S13-4	S12-4	27.975	26.305	0.375	248.652	0.5	0.03	3.6	Surcharged
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S13-4	S12-4	27.975	26.290	0.375	280.414	0.5	0.04	4.2	Surcharged
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S13-4	S12-4	27.975	26.277	0.375	280.220	0.5	0.02	2.7	Surcharged
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S13-4	S12-4	27.975	26.279	0.375	307.999	0.5	0.03	3.5	Surcharged
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S13-4	S12-4	27.975	26.251	0.375	308.106	0.5	0.02	2.3	Surcharged
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S13-4	S12-4	27.975	26.271	0.375	332.768	0.5	0.03	3.0	Surcharged
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S13-4	S12-4	27.975	26.223	0.375	333.318	0.5	0.02	2.0	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S13-4	S12-4	27.975	26.264	0.375	356.079	0.5	0.02	2.7	Surcharged
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S13-4	S12-4	27.975	26.194	0.375	356.786	0.4	0.02	1.7	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S13-4	S12-4	27.975	26.258	0.375	378.617	0.5	0.02	2.5	Surcharged
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S13-4	S12-4	27.975	26.166	0.375	378.668	0.4	0.01	1.6	OK

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



FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-4.003-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S15-4	S14-4	27.970	27.158	0.223	55.675	1.8	0.56	125.3	OK
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S15-4	S14-4	27.970	27.149	0.213	55.676	1.8	0.53	117.8	OK
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S15-4	S14-4	27.970	27.105	0.172	72.630	1.7	0.37	83.8	OK
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S15-4	S14-4	27.970	27.099	0.165	72.629	1.7	0.35	78.7	OK
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S15-4	S14-4	27.970	27.092	0.158	90.888	1.7	0.32	72.7	OK
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S15-4	S14-4	27.970	27.073	0.139	90.891	1.6	0.26	58.5	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S15-4	S14-4	27.970	27.063	0.129	106.717	1.5	0.23	50.6	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S15-4	S14-4	27.970	27.042	0.108	106.707	1.4	0.16	36.4	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S15-4	S14-4	27.970	27.046	0.112	117.365	1.4	0.18	39.3	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S15-4	S14-4	27.970	27.027	0.092	117.361	1.3	0.12	27.1	OK

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S15-4	S14-4	27.970	27.036	0.102	125.613	1.3	0.15	32.5	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S15-4	S14-4	27.970	27.017	0.083	125.609	1.2	0.1	21.9	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S15-4	S14-4	27.970	27.022	0.088	138.218	1.2	0.11	24.5	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S15-4	S14-4	27.970	27.005	0.071	138.202	1.1	0.07	16.1	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S15-4	S14-4	27.970	27.014	0.079	148.087	1.2	0.09	20.1	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S15-4	S14-4	27.970	26.998	0.064	148.107	1.0	0.06	13.0	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S15-4	S14-4	27.970	27.007	0.073	156.408	1.1	0.08	17.0	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S15-4	S14-4	27.970	26.993	0.059	156.411	1.0	0.05	11.0	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S15-4	S14-4	27.970	27.003	0.068	163.656	1.1	0.07	14.9	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S15-4	S14-4	27.970	26.990	0.055	163.622	1.0	0.04	9.6	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S15-4	S14-4	27.970	26.996	0.061	175.901	1.0	0.05	12.0	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S15-4	S14-4	27.970	26.984	0.049	175.880	0.9	0.03	7.7	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S15-4	S14-4	27.970	26.988	0.053	195.485	0.9	0.04	8.9	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S15-4	S14-4	27.970	26.978	0.043	195.440	0.8	0.03	5.7	OK

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S15-4	S14-4	27.970	26.981	0.046	217.918	0.9	0.03	6.6	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S15-4	S14-4	27.970	26.972	0.037	217.886	0.8	0.02	4.3	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S15-4	S14-4	27.970	26.977	0.041	236.128	0.8	0.02	5.4	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S15-4	S14-4	27.970	26.969	0.034	236.210	0.7	0.02	3.5	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S15-4	S14-4	27.970	26.972	0.036	266.319	0.8	0.02	4.0	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S15-4	S14-4	27.970	26.965	0.029	266.239	0.7	0.01	2.6	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S15-4	S14-4	27.970	26.969	0.033	292.437	0.7	0.01	3.3	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S15-4	S14-4	27.970	26.963	0.027	292.573	0.6	0.01	2.1	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S15-4	S14-4	27.970	26.967	0.031	316.142	0.7	0.01	2.9	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S15-4	S14-4	27.970	26.961	0.025	316.345	0.6	0.01	1.9	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S15-4	S14-4	27.970	26.965	0.029	338.624	0.7	0.01	2.6	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S15-4	S14-4	27.970	26.960	0.024	338.527	0.6	0.01	1.6	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S15-4	S14-4	27.970	26.964	0.028	359.864	0.6	0.01	2.3	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S15-4	S14-4	27.970	26.959	0.023	360.165	0.6	0.01	1.5	OK

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

FEH: 30 years: Increase Rainfall (%): +40: Summary Results for Sw-5.000-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S16-4	Tank	28.087	27.093	0.375	164.212	3.4	1.7	374.9	Surcharged
FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S16-4	Tank	28.087	27.031	0.375	164.216	3.2	1.6	352.3	Surcharged
FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S16-4	Tank	28.087	26.801	0.375	214.280	2.2	1.12	247.4	Surcharged
FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S16-4	Tank	28.087	26.773	0.375	214.274	2.1	1.05	232.1	Surcharged
FEH: 30 years: +40 %: 60 mins: Summer	Pipe	S16-4	Tank	28.087	26.697	0.353	268.177	2.0	0.97	214.6	Surcharged
FEH: 30 years: +40 %: 60 mins: Winter	Pipe	S16-4	Tank	28.087	26.593	0.277	268.173	2.0	0.78	172.6	OK
FEH: 30 years: +40 %: 120 mins: Summer	Pipe	S16-4	Tank	28.087	26.561	0.250	314.903	1.9	0.68	149.4	OK
FEH: 30 years: +40 %: 120 mins: Winter	Pipe	S16-4	Tank	28.087	26.507	0.202	314.892	1.8	0.49	107.5	OK
FEH: 30 years: +40 %: 180 mins: Summer	Pipe	S16-4	Tank	28.087	26.518	0.212	346.326	1.8	0.53	116.0	OK
FEH: 30 years: +40 %: 180 mins: Winter	Pipe	S16-4	Tank	28.087	26.470	0.169	346.331	1.7	0.36	80.0	OK

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

FEH: 30 years: +40 %: 240 mins: Summer	Pipe	S16-4	Tank	28.087	26.492	0.189	370.644	1.7	0.44	96.0	OK
FEH: 30 years: +40 %: 240 mins: Winter	Pipe	S16-4	Tank	28.087	26.448	0.150	370.649	1.6	0.29	64.6	OK
FEH: 30 years: +40 %: 360 mins: Summer	Pipe	S16-4	Tank	28.087	26.459	0.160	407.898	1.6	0.33	72.2	OK
FEH: 30 years: +40 %: 360 mins: Winter	Pipe	S16-4	Tank	28.087	26.422	0.127	407.873	1.5	0.22	47.6	OK
FEH: 30 years: +40 %: 480 mins: Summer	Pipe	S16-4	Tank	28.087	26.440	0.143	437.105	1.5	0.27	59.3	OK
FEH: 30 years: +40 %: 480 mins: Winter	Pipe	S16-4	Tank	28.087	26.407	0.113	437.080	1.4	0.17	38.4	OK
FEH: 30 years: +40 %: 600 mins: Summer	Pipe	S16-4	Tank	28.087	26.426	0.130	461.556	1.5	0.23	50.3	OK
FEH: 30 years: +40 %: 600 mins: Winter	Pipe	S16-4	Tank	28.087	26.396	0.103	461.580	1.3	0.15	32.4	OK
FEH: 30 years: +40 %: 720 mins: Summer	Pipe	S16-4	Tank	28.087	26.416	0.121	482.878	1.4	0.2	43.8	OK
FEH: 30 years: +40 %: 720 mins: Winter	Pipe	S16-4	Tank	28.087	26.388	0.096	482.864	1.3	0.13	28.3	OK
FEH: 30 years: +40 %: 960 mins: Summer	Pipe	S16-4	Tank	28.087	26.401	0.108	519.068	1.3	0.16	35.3	OK
FEH: 30 years: +40 %: 960 mins: Winter	Pipe	S16-4	Tank	28.087	26.377	0.085	519.095	1.2	0.1	22.8	OK
FEH: 30 years: +40 %: 1440 mins: Summer	Pipe	S16-4	Tank	28.087	26.384	0.092	576.803	1.2	0.12	26.2	OK
FEH: 30 years: +40 %: 1440 mins: Winter	Pipe	S16-4	Tank	28.087	26.363	0.073	576.867	1.1	0.08	16.9	OK

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

FEH: 30 years: +40 %: 2160 mins: Summer	Pipe	S16-4	Tank	28.087	26.369	0.079	642.982	1.2	0.09	19.4	OK
FEH: 30 years: +40 %: 2160 mins: Winter	Pipe	S16-4	Tank	28.087	26.352	0.072	643.053	1.0	0.06	12.6	OK
FEH: 30 years: +40 %: 2880 mins: Summer	Pipe	S16-4	Tank	28.087	26.361	0.071	696.832	1.1	0.07	15.8	OK
FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	S16-4	Tank	28.087	26.346	0.060	696.730	1.0	0.05	10.2	OK
FEH: 30 years: +40 %: 4320 mins: Summer	Pipe	S16-4	Tank	28.087	26.350	0.061	786.003	1.0	0.05	11.9	OK
FEH: 30 years: +40 %: 4320 mins: Winter	Pipe	S16-4	Tank	28.087	26.338	0.049	786.089	0.9	0.03	7.7	OK
FEH: 30 years: +40 %: 5760 mins: Summer	Pipe	S16-4	Tank	28.087	26.344	0.055	862.533	1.0	0.04	9.8	OK
FEH: 30 years: +40 %: 5760 mins: Winter	Pipe	S16-4	Tank	28.087	26.333	0.045	862.656	0.9	0.03	6.3	OK
FEH: 30 years: +40 %: 7200 mins: Summer	Pipe	S16-4	Tank	28.087	26.340	0.052	932.752	0.9	0.04	8.5	OK
FEH: 30 years: +40 %: 7200 mins: Winter	Pipe	S16-4	Tank	28.087	26.329	0.041	933.083	0.8	0.02	5.5	OK
FEH: 30 years: +40 %: 8640 mins: Summer	Pipe	S16-4	Tank	28.087	26.337	0.049	998.956	0.9	0.03	7.6	OK
FEH: 30 years: +40 %: 8640 mins: Winter	Pipe	S16-4	Tank	28.087	26.327	0.039	999.365	0.8	0.02	4.9	OK
FEH: 30 years: +40 %: 10080 mins: Summer	Pipe	S16-4	Tank	28.087	26.335	0.046	1062.587	0.9	0.03	6.9	OK
FEH: 30 years: +40 %: 10080 mins: Winter	Pipe	S16-4	Tank	28.087	26.325	0.037	1062.750	0.8	0.02	4.4	OK

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.006-4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.181	0.341	314.337	4.6	1.09	516.8	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.157	0.342	313.942	4.7	1.05	497.4	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.115	0.431	410.940	4.3	0.9	426.7	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.093	0.431	410.894	4.1	0.86	406.2	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.143	0.450	511.440	3.4	0.81	384.8	Surcharged

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

FEH: 100 years: +45 %: 60 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.118	0.450	511.410	3.5	0.71	336.0	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.214	0.450	589.947	3.0	0.61	286.9	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.214	0.450	589.961	3.0	0.43	205.5	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.275	0.450	643.773	2.8	0.46	218.1	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.275	0.450	643.797	2.7	0.32	151.2	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.321	0.450	686.492	2.6	0.38	179.9	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.321	0.450	686.495	2.5	0.26	122.4	Surcharged

Drainage Network Unit 4: Alchemy,Western Plot Network Space Developments	Date: 28/07/2026		
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FEH: 100 years: +45 %: 360 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.388	0.450	754.398	2.4	0.28	133.6	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.389	0.450	754.375	2.3	0.19	88.8	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.437	0.450	809.037	2.3	0.23	110.0	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.439	0.450	809.104	2.1	0.15	71.3	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.474	0.450	855.639	2.2	0.2	92.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.477	0.450	855.695	1.9	0.13	59.7	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.504	0.450	896.666	2.1	0.17	79.9	Surcharged

FEH: 100 years: +45 %: 720 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.508	0.450	896.698	1.8	0.11	52.0	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.548	0.450	967.427	1.9	0.14	64.8	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.553	0.450	967.265	1.7	0.09	41.8	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.597	0.450	1080.521	1.8	0.1	47.8	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.605	0.450	1080.463	1.5	0.07	30.8	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.615	0.450	1210.844	1.6	0.07	35.4	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.630	0.450	1210.866	1.3	0.05	22.8	Surcharged

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

FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.610	0.450	1317.398	1.5	0.06	28.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.625	0.450	1317.265	1.2	0.04	18.5	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.591	0.450	1484.065	1.4	0.05	21.5	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.594	0.450	1484.487	1.1	0.03	13.8	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.575	0.450	1614.360	1.3	0.04	17.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.564	0.450	1614.244	1.0	0.02	11.4	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.563	0.450	1731.545	1.3	0.03	15.1	Surcharged

FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.535	0.450	1731.531	0.9	0.02	9.8	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.552	0.450	1839.310	1.2	0.03	13.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.506	0.450	1839.344	0.9	0.02	8.7	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	Full Retention oil Interceptor	Tank	27.943	26.543	0.450	1941.987	1.2	0.03	12.1	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	Full Retention oil Interceptor	Tank	27.943	26.480	0.450	1942.778	0.8	0.02	7.9	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -4.000-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S12-4	Tank	27.975	25.872	0.318	82.491	2.5	0.55	148.4	OK
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S12-4	Tank	27.975	25.865	0.318	82.488	2.5	0.52	141.2	OK
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S12-4	Tank	27.975	25.989	0.375	105.374	2.1	0.47	128.1	OK
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S12-4	Tank	27.975	25.989	0.375	105.373	2.2	0.45	120.6	OK
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S12-4	Tank	27.975	26.119	0.375	130.166	1.9	0.4	109.0	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S12-4	Tank	27.975	26.119	0.375	130.177	2.0	0.31	83.7	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S12-4	Tank	27.975	26.214	0.375	150.712	1.7	0.27	72.1	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S12-4	Tank	27.975	26.214	0.375	150.724	1.6	0.19	52.0	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S12-4	Tank	27.975	26.275	0.375	165.175	1.6	0.21	55.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S12-4	Tank	27.975	26.275	0.375	165.171	1.6	0.14	38.5	Surcharged

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

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S12-4	Tank	27.975	26.321	0.375	176.670	1.5	0.17	46.1	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S12-4	Tank	27.975	26.321	0.375	176.673	1.4	0.11	31.0	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S12-4	Tank	27.975	26.388	0.375	194.971	1.4	0.12	33.3	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S12-4	Tank	27.975	26.389	0.375	194.965	1.3	0.08	22.6	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S12-4	Tank	27.975	26.437	0.375	209.684	1.3	0.1	26.9	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S12-4	Tank	27.975	26.439	0.375	209.595	1.2	0.07	18.0	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S12-4	Tank	27.975	26.475	0.375	222.198	1.2	0.08	22.0	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S12-4	Tank	27.975	26.477	0.375	222.160	1.1	0.06	15.1	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S12-4	Tank	27.975	26.505	0.375	233.246	1.2	0.07	19.2	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S12-4	Tank	27.975	26.508	0.375	233.170	1.0	0.05	12.8	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S12-4	Tank	27.975	26.548	0.375	252.190	1.1	0.06	15.5	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S12-4	Tank	27.975	26.553	0.375	252.126	1.0	0.04	10.2	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S12-4	Tank	27.975	26.597	0.375	282.562	1.0	0.04	11.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S12-4	Tank	27.975	26.605	0.375	282.520	0.8	0.03	7.6	Surcharged

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

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S12-4	Tank	27.975	26.615	0.375	317.696	0.9	0.03	8.8	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S12-4	Tank	27.975	26.630	0.375	317.703	0.7	0.02	5.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S12-4	Tank	27.975	26.610	0.375	347.859	0.9	0.03	7.2	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S12-4	Tank	27.975	26.625	0.375	347.754	0.7	0.02	4.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S12-4	Tank	27.975	26.591	0.375	398.797	0.8	0.02	5.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S12-4	Tank	27.975	26.594	0.375	399.005	0.6	0.01	3.5	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S12-4	Tank	27.975	26.575	0.375	433.982	0.8	0.02	4.4	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S12-4	Tank	27.975	26.564	0.375	433.924	0.5	0.01	2.9	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S12-4	Tank	27.975	26.563	0.375	465.706	0.7	0.01	3.8	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S12-4	Tank	27.975	26.535	0.375	464.890	0.5	0.01	2.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S12-4	Tank	27.975	26.552	0.375	494.860	0.7	0.01	3.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S12-4	Tank	27.975	26.506	0.375	494.464	0.5	0.01	2.2	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S12-4	Tank	27.975	26.543	0.375	521.584	0.7	0.01	3.0	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S12-4	Tank	27.975	26.480	0.375	521.727	0.4	0.01	2.0	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.004- 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S04-4	S05-4	27.886	27.087	0.450	305.772	3.2	3.21	505.5	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S04-4	S05-4	27.886	26.991	0.450	305.376	3.1	3.09	485.8	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S04-4	S05-4	27.886	26.705	0.450	400.702	2.6	2.61	411.3	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S04-4	S05-4	27.886	26.666	0.450	400.655	2.5	2.52	396.2	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S04-4	S05-4	27.886	26.632	0.450	499.061	2.4	2.39	375.7	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S04-4	S05-4	27.886	26.470	0.450	498.974	2.1	2.07	326.2	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S04-4	S05-4	27.886	26.354	0.450	575.328	1.7	1.77	278.0	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S04-4	S05-4	27.886	26.213	0.450	575.315	1.3	1.26	198.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S04-4	S05-4	27.886	26.275	0.450	627.551	1.3	1.34	211.6	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S04-4	S05-4	27.886	26.275	0.450	627.568	1.2	0.94	147.3	Surcharged

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

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S04-4	S05-4	27.886	26.321	0.450	668.988	1.2	1.11	175.4	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S04-4	S05-4	27.886	26.321	0.450	668.993	1.1	0.75	118.3	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S04-4	S05-4	27.886	26.388	0.450	734.785	1.1	0.84	131.5	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S04-4	S05-4	27.886	26.389	0.450	734.801	1.0	0.55	87.0	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S04-4	S05-4	27.886	26.437	0.450	787.738	1.0	0.68	107.0	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S04-4	S05-4	27.886	26.439	0.450	787.714	0.9	0.44	69.9	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S04-4	S05-4	27.886	26.474	0.450	832.756	0.9	0.58	90.9	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S04-4	S05-4	27.886	26.477	0.450	832.757	0.9	0.37	58.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S04-4	S05-4	27.886	26.504	0.450	872.350	0.9	0.5	78.4	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S04-4	S05-4	27.886	26.508	0.450	872.359	0.8	0.32	50.9	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S04-4	S05-4	27.886	26.548	0.450	940.604	0.8	0.4	63.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S04-4	S05-4	27.886	26.553	0.450	940.421	0.8	0.26	40.9	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S04-4	S05-4	27.886	26.597	0.450	1049.467	0.7	0.3	46.8	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S04-4	S05-4	27.886	26.605	0.450	1049.412	0.7	0.19	30.1	Surcharged

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

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S04-4	S05-4	27.886	26.615	0.450	1174.602	0.7	0.22	34.7	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S04-4	S05-4	27.886	26.630	0.450	1174.528	0.6	0.14	22.3	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S04-4	S05-4	27.886	26.610	0.450	1276.325	0.6	0.18	28.1	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S04-4	S05-4	27.886	26.625	0.450	1276.144	0.6	0.11	18.1	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S04-4	S05-4	27.886	26.592	0.450	1432.576	0.6	0.13	21.1	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S04-4	S05-4	27.886	26.594	0.450	1433.143	0.6	0.09	13.5	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S04-4	S05-4	27.886	26.575	0.450	1558.358	0.6	0.11	17.2	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S04-4	S05-4	27.886	26.564	0.450	1558.596	0.5	0.07	11.1	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S04-4	S05-4	27.886	26.563	0.450	1671.391	0.5	0.09	14.8	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S04-4	S05-4	27.886	26.535	0.450	1671.893	0.5	0.06	9.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S04-4	S05-4	27.886	26.552	0.450	1775.539	0.5	0.08	13.1	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S04-4	S05-4	27.886	26.506	0.450	1775.879	0.5	0.05	8.5	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S04-4	S05-4	27.886	26.543	0.450	1874.706	0.5	0.08	11.9	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S04-4	S05-4	27.886	26.480	0.450	1875.617	0.5	0.05	7.7	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.005-4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.722	0.450	316.134	3.3	3.31	526.8	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.653	0.450	315.737	3.2	3.18	506.2	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.461	0.450	413.984	2.7	2.7	429.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.438	0.450	413.932	2.6	2.59	412.0	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.427	0.450	515.546	2.4	2.45	389.4	Surcharged

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

FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.317	0.450	515.472	2.1	2.12	337.8	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.245	0.450	594.555	1.8	1.81	288.0	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.214	0.450	594.560	1.7	1.29	205.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.275	0.450	648.685	1.6	1.38	219.1	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.275	0.450	648.694	1.5	0.96	152.2	Surcharged
FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.321	0.450	691.598	1.6	1.14	181.3	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.321	0.450	691.610	1.5	0.77	122.1	Surcharged

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

FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.388	0.450	759.751	1.5	0.85	135.7	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.389	0.450	759.790	1.5	0.56	89.8	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.437	0.450	814.469	1.5	0.69	110.3	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.439	0.450	814.473	1.4	0.45	72.1	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.474	0.450	861.122	1.4	0.59	93.8	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.477	0.450	861.186	1.4	0.38	60.3	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.504	0.450	902.192	1.4	0.51	80.9	Surcharged

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

FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.508	0.450	902.274	1.3	0.33	52.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.548	0.450	972.951	1.3	0.41	65.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.553	0.450	972.800	1.2	0.27	42.2	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.597	0.450	1085.745	1.1	0.3	48.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.605	0.450	1085.700	1.1	0.2	31.1	Surcharged
FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.615	0.450	1215.341	1.0	0.22	35.8	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.630	0.450	1215.387	1.0	0.14	23.0	Surcharged

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

FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.610	0.450	1320.858	1.0	0.18	29.0	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.625	0.450	1320.761	0.9	0.12	18.6	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.591	0.450	1484.066	0.9	0.14	21.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.594	0.450	1484.488	0.9	0.09	13.9	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.575	0.450	1614.355	0.9	0.11	17.7	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.564	0.450	1614.237	0.8	0.07	11.5	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.563	0.450	1731.539	0.8	0.1	15.3	Surcharged

FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.535	0.450	1731.524	0.8	0.06	9.9	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.552	0.450	1839.304	0.8	0.08	13.5	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.506	0.450	1839.338	0.8	0.05	8.7	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.543	0.450	1941.981	0.8	0.08	12.3	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S05-4	Full Retention oil Interceptor	27.792	26.480	0.450	1942.772	0.7	0.05	7.9	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.002-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S02-4	S03-4	27.946	27.468	0.450	105.671	1.0	1.01	160.6	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S02-4	S03-4	27.946	27.355	0.450	105.260	1.0	1	158.4	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S02-4	S03-4	27.946	27.017	0.450	138.681	1.0	1.01	160.2	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S02-4	S03-4	27.946	26.998	0.450	138.632	1.0	1	157.7	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S02-4	S03-4	27.946	26.965	0.450	172.656	0.9	0.9	143.0	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S02-4	S03-4	27.946	26.755	0.450	172.565	0.7	0.71	111.8	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S02-4	S03-4	27.946	26.555	0.450	198.261	0.7	0.6	95.1	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S02-4	S03-4	27.946	26.252	0.291	198.221	0.7	0.43	67.8	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S02-4	S03-4	27.946	26.292	0.331	215.686	0.7	0.46	72.1	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S02-4	S03-4	27.946	26.274	0.330	215.719	0.7	0.32	50.8	OK

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

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S02-4	S03-4	27.946	26.321	0.376	229.524	0.7	0.38	60.4	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S02-4	S03-4	27.946	26.321	0.376	229.538	0.7	0.26	40.9	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S02-4	S03-4	27.946	26.388	0.444	251.627	0.7	0.29	45.6	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S02-4	S03-4	27.946	26.389	0.444	251.641	0.7	0.19	30.1	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S02-4	S03-4	27.946	26.437	0.450	269.534	0.7	0.24	37.4	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S02-4	S03-4	27.946	26.439	0.450	269.503	0.6	0.15	24.3	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S02-4	S03-4	27.946	26.475	0.450	284.820	0.7	0.2	31.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S02-4	S03-4	27.946	26.477	0.450	284.826	0.6	0.13	20.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S02-4	S03-4	27.946	26.505	0.450	298.357	0.7	0.17	27.6	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S02-4	S03-4	27.946	26.507	0.450	298.379	0.6	0.11	17.9	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S02-4	S03-4	27.946	26.549	0.450	321.954	0.6	0.14	22.3	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S02-4	S03-4	27.946	26.553	0.450	321.777	0.6	0.09	14.4	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S02-4	S03-4	27.946	26.597	0.450	359.729	0.6	0.1	16.3	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S02-4	S03-4	27.946	26.605	0.450	359.769	0.5	0.07	10.6	Surcharged

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

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S02-4	S03-4	27.946	26.615	0.450	403.900	0.5	0.08	12.1	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S02-4	S03-4	27.946	26.630	0.450	403.832	0.5	0.05	7.8	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S02-4	S03-4	27.946	26.610	0.450	439.069	0.5	0.06	9.8	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S02-4	S03-4	27.946	26.625	0.450	438.941	0.4	0.04	6.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S02-4	S03-4	27.946	26.592	0.450	491.078	0.5	0.05	7.4	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S02-4	S03-4	27.946	26.594	0.450	491.436	0.4	0.03	4.8	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S02-4	S03-4	27.946	26.575	0.450	534.304	0.4	0.04	6.1	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S02-4	S03-4	27.946	26.564	0.450	534.801	0.4	0.02	3.9	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S02-4	S03-4	27.946	26.563	0.450	572.893	0.4	0.03	5.2	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S02-4	S03-4	27.946	26.535	0.450	573.654	0.4	0.02	3.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S02-4	S03-4	27.946	26.552	0.450	609.263	0.4	0.03	4.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S02-4	S03-4	27.946	26.506	0.450	609.011	0.4	0.02	3.0	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S02-4	S03-4	27.946	26.543	0.450	642.981	0.4	0.03	4.2	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S02-4	S03-4	27.946	26.480	0.450	642.597	0.3	0.02	2.7	Surcharged

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.000- 4 : Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S01-4	S02-4	27.945	27.560	0.450	74.133	1.0	1.03	163.6	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S01-4	S02-4	27.945	27.436	0.450	74.138	1.0	0.97	154.5	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S01-4	S02-4	27.945	27.063	0.450	97.652	0.7	0.73	116.4	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S01-4	S02-4	27.945	27.043	0.450	97.628	0.7	0.68	107.8	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S01-4	S02-4	27.945	27.003	0.450	122.307	0.6	0.62	97.7	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S01-4	S02-4	27.945	26.776	0.450	122.279	0.6	0.5	78.8	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S01-4	S02-4	27.945	26.570	0.450	141.132	0.6	0.42	67.2	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S01-4	S02-4	27.945	26.276	0.249	141.125	0.6	0.3	48.2	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S01-4	S02-4	27.945	26.310	0.285	153.942	0.6	0.32	51.5	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S01-4	S02-4	27.945	26.274	0.259	153.932	0.6	0.23	35.8	OK

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

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S01-4	S02-4	27.945	26.321	0.305	164.031	0.6	0.27	42.7	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S01-4	S02-4	27.945	26.321	0.305	164.012	0.6	0.18	28.8	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S01-4	S02-4	27.945	26.388	0.373	180.007	0.6	0.2	32.1	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S01-4	S02-4	27.945	26.389	0.373	180.011	0.6	0.13	21.2	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S01-4	S02-4	27.945	26.437	0.422	192.817	0.6	0.17	26.4	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S01-4	S02-4	27.945	26.439	0.423	192.818	0.5	0.11	17.1	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S01-4	S02-4	27.945	26.475	0.450	203.702	0.6	0.14	22.4	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S01-4	S02-4	27.945	26.477	0.450	203.720	0.5	0.09	14.4	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S01-4	S02-4	27.945	26.505	0.450	213.274	0.6	0.12	19.5	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S01-4	S02-4	27.945	26.507	0.450	213.268	0.5	0.08	12.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S01-4	S02-4	27.945	26.549	0.450	229.774	0.5	0.1	15.7	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S01-4	S02-4	27.945	26.553	0.450	229.709	0.5	0.06	10.2	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S01-4	S02-4	27.945	26.597	0.450	255.880	0.5	0.07	11.7	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S01-4	S02-4	27.945	26.605	0.450	255.896	0.5	0.05	7.5	Surcharged

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

FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S01-4	S02-4	27.945	26.616	0.450	285.783	0.5	0.05	8.7	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S01-4	S02-4	27.945	26.630	0.450	285.711	0.4	0.04	5.6	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S01-4	S02-4	27.945	26.610	0.450	309.425	0.4	0.04	7.0	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S01-4	S02-4	27.945	26.625	0.450	309.463	0.4	0.03	4.5	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S01-4	S02-4	27.945	26.592	0.450	345.850	0.4	0.03	5.2	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S01-4	S02-4	27.945	26.594	0.450	346.012	0.4	0.02	3.4	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S01-4	S02-4	27.945	26.575	0.450	376.334	0.4	0.03	4.3	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S01-4	S02-4	27.945	26.564	0.450	376.454	0.3	0.02	2.8	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S01-4	S02-4	27.945	26.563	0.450	403.602	0.4	0.02	3.7	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S01-4	S02-4	27.945	26.535	0.450	403.680	0.3	0.01	2.4	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S01-4	S02-4	27.945	26.552	0.450	428.945	0.4	0.02	3.2	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S01-4	S02-4	27.945	26.506	0.450	428.778	0.3	0.01	2.1	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S01-4	S02-4	27.945	26.543	0.450	452.806	0.4	0.02	2.9	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S01-4	S02-4	27.945	26.480	0.450	452.453	0.3	0.01	1.9	OK

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

FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -1.007-4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Tank	S07-4	27.850	25.863	0.225	8.560	0.4	0.18	6.7	Surcharged
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Tank	S07-4	27.850	25.863	0.225	8.634	0.5	0.17	6.3	Surcharged
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	Tank	S07-4	27.850	25.989	0.225	17.124	0.4	0.18	6.6	Surcharged
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	Tank	S07-4	27.850	25.989	0.225	17.203	0.4	0.18	6.5	Surcharged
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Tank	S07-4	27.850	26.119	0.225	32.202	0.3	0.17	6.2	Surcharged
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	Tank	S07-4	27.850	26.119	0.225	32.218	0.3	0.16	6.1	Surcharged
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	Tank	S07-4	27.850	26.214	0.225	64.628	0.3	0.16	6.0	Surcharged
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	Tank	S07-4	27.850	26.214	0.225	64.663	0.3	0.16	5.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	Tank	S07-4	27.850	26.275	0.225	99.180	0.3	0.16	5.9	Surcharged
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	Tank	S07-4	27.850	26.276	0.225	99.153	0.3	0.16	5.8	Surcharged

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

FEH: 100 years: +45 %: 240 mins: Summer	Pipe	Tank	S07-4	27.850	26.321	0.225	134.530	0.3	0.16	5.8	Surcharged
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	Tank	S07-4	27.850	26.321	0.225	134.364	0.3	0.16	5.7	Surcharged
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	Tank	S07-4	27.850	26.388	0.225	206.743	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	Tank	S07-4	27.850	26.389	0.225	206.211	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Tank	S07-4	27.850	26.437	0.225	280.199	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	Tank	S07-4	27.850	26.439	0.225	279.234	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	Tank	S07-4	27.850	26.475	0.225	354.293	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	Tank	S07-4	27.850	26.477	0.225	352.884	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	Tank	S07-4	27.850	26.505	0.225	428.693	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	Tank	S07-4	27.850	26.508	0.225	426.828	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	Tank	S07-4	27.850	26.548	0.225	577.578	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	Tank	S07-4	27.850	26.553	0.225	574.810	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	Tank	S07-4	27.850	26.597	0.225	871.934	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	Tank	S07-4	27.850	26.605	0.225	867.711	0.3	0.15	5.6	Surcharged

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FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	Tank	S07-4	27.850	26.615	0.225	1295.573	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	Tank	S07-4	27.850	26.630	0.225	1290.161	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	Tank	S07-4	27.850	26.610	0.225	1707.447	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	Tank	S07-4	27.850	26.625	0.225	1700.899	0.3	0.15	5.7	Surcharged
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	Tank	S07-4	27.850	26.591	0.225	2574.462	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	Tank	S07-4	27.850	26.594	0.225	2571.160	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	Tank	S07-4	27.850	26.575	0.225	3109.788	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	Tank	S07-4	27.850	26.564	0.225	3109.820	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	Tank	S07-4	27.850	26.563	0.225	3346.062	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	Tank	S07-4	27.850	26.535	0.225	3345.500	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	Tank	S07-4	27.850	26.552	0.225	3558.104	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	Tank	S07-4	27.850	26.506	0.225	3557.438	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	Tank	S07-4	27.850	26.543	0.225	3757.292	0.3	0.15	5.6	Surcharged
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	Tank	S07-4	27.850	26.480	0.225	3758.465	0.3	0.15	5.6	Surcharged

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FEH: 100 years: Increase Rainfall (%): +45: Summary Results for Sw -5.000- 4: Rank By: Max. Flow

Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.980	0.300	18.326	1.5	1.07	104.6	Flood
FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.977	0.300	17.794	1.4	1.01	98.1	Flood
FEH: 100 years: +45 %: 30 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.971	0.300	23.406	1.6	1.19	115.5	Flood
FEH: 100 years: +45 %: 30 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.965	0.300	23.276	1.5	1.1	107.0	Flood
FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.958	0.300	29.228	0.9	0.54	52.1	Flood
FEH: 100 years: +45 %: 60 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.766	0.300	29.245	0.8	0.19	18.8	Flood Risk
FEH: 100 years: +45 %: 120 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.563	0.300	33.829	0.9	0.16	16.0	OK
FEH: 100 years: +45 %: 120 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.419	0.095	33.815	0.9	0.12	11.6	OK
FEH: 100 years: +45 %: 180 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.422	0.115	36.918	0.9	0.13	12.4	OK
FEH: 100 years: +45 %: 180 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.411	0.081	37.004	0.8	0.09	8.6	OK

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FEH: 100 years: +45 %: 240 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.417	0.104	39.408	0.9	0.11	10.2	OK
FEH: 100 years: +45 %: 240 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.405	0.103	39.471	0.8	0.07	6.9	OK
FEH: 100 years: +45 %: 360 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.408	0.147	43.352	0.8	0.08	7.7	OK
FEH: 100 years: +45 %: 360 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.397	0.148	43.361	0.7	0.05	5.1	OK
FEH: 100 years: +45 %: 480 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.437	0.196	46.462	0.8	0.06	6.3	OK
FEH: 100 years: +45 %: 480 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.439	0.198	46.475	0.7	0.04	4.1	OK
FEH: 100 years: +45 %: 600 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.475	0.234	49.084	0.7	0.05	5.3	OK
FEH: 100 years: +45 %: 600 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.477	0.236	49.099	0.6	0.04	3.5	OK
FEH: 100 years: +45 %: 720 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.505	0.264	51.360	0.7	0.05	4.7	OK
FEH: 100 years: +45 %: 720 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.507	0.266	51.405	0.6	0.03	3.0	OK
FEH: 100 years: +45 %: 960 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.549	0.300	55.358	0.7	0.04	3.8	OK
FEH: 100 years: +45 %: 960 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.553	0.300	55.333	0.6	0.02	2.4	OK
FEH: 100 years: +45 %: 1440 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.597	0.300	61.521	0.6	0.03	2.8	OK
FEH: 100 years: +45 %: 1440 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.605	0.300	61.578	0.5	0.02	1.8	OK

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FEH: 100 years: +45 %: 2160 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.616	0.300	68.416	0.6	0.02	2.1	OK
FEH: 100 years: +45 %: 2160 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.630	0.300	68.502	0.5	0.01	1.3	OK
FEH: 100 years: +45 %: 2880 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.610	0.300	73.941	0.5	0.02	1.7	OK
FEH: 100 years: +45 %: 2880 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.625	0.300	73.947	0.5	0.01	1.1	OK
FEH: 100 years: +45 %: 4320 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.592	0.300	82.670	0.5	0.01	1.3	OK
FEH: 100 years: +45 %: 4320 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.594	0.300	82.675	0.4	0.01	0.8	OK
FEH: 100 years: +45 %: 5760 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.575	0.300	90.052	0.4	0.01	1.0	OK
FEH: 100 years: +45 %: 5760 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.564	0.300	90.104	0.4	0.01	0.7	OK
FEH: 100 years: +45 %: 7200 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.563	0.300	96.330	0.4	0.01	0.9	OK
FEH: 100 years: +45 %: 7200 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.535	0.294	96.771	0.4	0.01	0.6	OK
FEH: 100 years: +45 %: 8640 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.552	0.300	102.636	0.4	0.01	0.8	OK
FEH: 100 years: +45 %: 8640 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.506	0.265	102.447	0.4	0.01	0.5	OK
FEH: 100 years: +45 %: 10080 mins: Summer	Pipe	S-19-4	S02-4	26.950	26.543	0.300	108.269	0.4	0.01	0.7	OK
FEH: 100 years: +45 %: 10080 mins: Winter	Pipe	S-19-4	S02-4	26.950	26.480	0.239	108.589	0.3	0	0.4	OK