

Appendix B

Calculations



B.1 Climate Change Allowance

In the following calculations, a climate change allowance of 40% has been made which corresponds with the "Upper Limit" of the DEFRA guidance (refer to the table below):

Range	Total potential change anticipated for 2010-2039	Total potential change anticipated for 2040-2059	Total potential change anticipated for 2060-2115
Upper end	10%	20%	40%
Central	5%	10%	20%

B.2 Existing site surface water runo  rates

It is considered that all of the parcels are effectively greenfield in the current situation. In accordance with the method outlined in the IUK Centre for Ecology & Hydrology's Flood Estimate Handbook (FEH) the existing runo  for the site is calculated from the formula:

$$Q_{MED} = 8.3062 \times AREA^{0.851} \times 0.1536^{(1000/SAAR)} \times FARL^{3.4451} \times 0.046^{(BFIHOST \times BFIHOST)} \times UAF$$

where AREA is the site area in km2, SAAR is the Standard Average Annual Rainfall in mm, FARL is an index for assessing the relative importance of flood attenuation due to reservoirs and lakes, BFIHOST is an index of the permeability of the catchment and UAF is the urban adjustment factor for the catchment.

For this site, the following site characteristics have been used in the calculation:

- SAAR = 589mm
- BFIHOST = 0.953
- FARL = 1.000
- UAF = 1.286

The equation therefore simplifies to $Q_{MED} = 0.0271 \times AREA^{0.851}$

- The following Hydrological Growth Curve Factors for the area have been used:

$Q_1 = 0.87, Q_{10} = 1.65, Q_{30} = 2.45 \text{ and } Q_{100} = 3.56$

B.3 Existing Runo  Summary

The existing runo  values are summarised in Table B.1 adjacent:

Catchment	Developable Area	Q_{med}	Q_1	Q_{10}	Q_{30}	Q_{100}
Res01	40,700 m2	1.78 l/s	1.55 l/s	2.93 l/s	4.35 l/s	6.32 l/s
Res02	9,500 m2	0.51 l/s	0.45 l/s	0.85 l/s	1.26 l/s	1.83 l/s
Res03	2,000 m2	0.14 l/s	0.12 l/s	0.23 l/s	0.33 l/s	0.49 l/s
Res04	36,300 m2	1.61 l/s	1.40 l/s	2.66 l/s	3.95 l/s	5.74 l/s
Res05	53,300 m2	2.23 l/s	1.94 l/s	3.69 l/s	5.47 l/s	7.95 l/s
Res06	27,100 m2	1.26 l/s	1.09 l/s	2.07 l/s	3.08 l/s	4.47 l/s
Res07	2,500 m2	0.17 l/s	0.14 l/s	0.27 l/s	0.41 l/s	0.59 l/s
Res08	168,500 m2	5.95 l/s	5.18 l/s	9.82 l/s	14.58 l/s	21.18 l/s
Res09	25,600 m2	1.20 l/s	1.04 l/s	1.98 l/s	2.93 l/s	4.26 l/s
Res10	1,100 m2	0.08 l/s	0.07 l/s	0.14 l/s	0.20 l/s	0.29 l/s
Res11	1,200 m2	0.09 l/s	0.08 l/s	0.15 l/s	0.22 l/s	0.32 l/s
Res12	68,400 m2	2.76 l/s	2.40 l/s	4.56 l/s	6.77 l/s	9.84 l/s
Res13	189,600 m2	6.58 l/s	5.72 l/s	10.85 l/s	16.12 l/s	23.42 l/s
Res14	50,300 m2	2.13 l/s	1.85 l/s	3.51 l/s	5.21 l/s	7.57 l/s
Res15	2,300 m2	0.15 l/s	0.13 l/s	0.25 l/s	0.38 l/s	0.55 l/s
Res16	69,600 m2	2.80 l/s	2.44 l/s	4.63 l/s	6.87 l/s	9.98 l/s
Residential Total	748,000 m2	29.44 l/s	25.61 l/s	48.57 l/s	72.13 l/s	104.80 l/s
EMP01	5,500 m2	0.30 l/s	0.26 l/s	0.50 l/s	0.74 l/s	1.07 l/s
EMP02	16,400 m2	0.80 l/s	0.70 l/s	1.32 l/s	1.96 l/s	2.85 l/s
EMP03	60,640 m2	2.50 l/s	2.18 l/s	4.13 l/s	6.13 l/s	8.90 l/s
Employment Land Total	154,000 m2	6.50 l/s	5.66 l/s	10.73 l/s	15.68 l/s	23.14 l/s
LC01	11,600 m2	0.61 l/s	0.53 l/s	1.01 l/s	1.50 l/s	2.17 l/s
LC02	7,600 m2	0.43 l/s	0.37 l/s	0.70 l/s	1.04 l/s	1.52 l/s
LC03	5,000 m2	0.30 l/s	0.26 l/s	0.49 l/s	0.73 l/s	1.06 l/s
LC04	8,800 m2	0.48 l/s	0.42 l/s	0.80 l/s	1.18 l/s	1.72 l/s
LC05	7,100 m2	0.40 l/s	0.35 l/s	0.66 l/s	0.98 l/s	1.43 l/s
LC06	5,400 m2	0.32 l/s	0.28 l/s	0.53 l/s	0.78 l/s	1.13 l/s
Local Centre Total	45,500 m2	2.54 l/s	2.21 l/s	4.19 l/s	6.22 l/s	9.03 l/s
Edu01	22,200 m2	1.06 l/s	0.92 l/s	1.75 l/s	2.60 l/s	3.77 l/s
Edu02	20,100 m2	0.97 l/s	0.85 l/s	1.61 l/s	2.39 l/s	3.47 l/s
Fle01	105,000 m2	3.98 l/s	3.46 l/s	6.56 l/s	9.75 l/s	14.16 l/s
Total	1,136,740 m2	45.59 l/s	39.66 l/s	75.22 l/s	111.69 l/s	162.29 l/s

Table B.1 Existing runoff values

B.4 Proposed Surface Water Runoff Rates

It is proposed to dispose of surface water via infiltration wherever possible to help recharge the existing groundwater aquifer. The design has been split into three components - the individual residential plots, the employment land on-site car parks and the wider highways and footpath areas. The infiltration test locations and results are discussed in Section 3.2.4 and Appendix G.

B.5 Residential Plots

The residential plots will have individual soakaways to dispose of surface water and have been sized to accommodate the 1 in 100 year + 40% climate change event. Figure B.1 illustrates the assumptions made regarding the plot hardstanding areas and disposal locations for the residential plots. The soakaways have been sized by modelling infiltration out of both the sides and base and applying a safety factor of 3 from Table S3.1 in the National Standards for SuDS (area to be drained between 100 and 1,000 m² and Minor Inconvenience).

Full calculations are contained in pages 36 to 71 and the results are summarised in Table B.2 below:

Catchment	No. of Dwellings	Nearest Infiltration Test	Recommended Infiltration Rate (m/s)	Recommended Infiltration Rate (m/hr)	Soakaway Dimensions	Void Ratio	Soakaway Volume	Total House Soakaway Volume
Res01	175	TP-068	1.43E-05	0.0515	3.4 x 3.4 x 2.2m	30%	7.63 m ³	1,335 m ³
Res02	40	TP-068	1.43E-05	0.0515	3.4 x 3.4 x 2.2m	30%	7.63 m ³	305 m ³
Res03	10	TP-068	1.43E-05	0.0515	3.4 x 3.4 x 2.2m	30%	7.63 m ³	76 m ³
Res04	155	ST2	1.35E-05	0.0486	3.4 x 3.4 x 2.2m	30%	7.63 m ³	1,183 m ³
Res05	230	TP-039	4.27E-05	0.1537	3.1 x 3.1 x 2.0m	30%	5.77 m ³	1,326 m ³
Res06	120	TP-105	2.27E-05	0.0817	3.3 x 3.3 x 2.1m	30%	6.86 m ³	823 m ³
Res07	12	TP-131	8.17E-06	0.0294	3.2 x 3.2 x 2.7m	30%	8.29 m ³	100 m ³
Res08	730	TP-010	1.78E-05	0.0641	3.4 x 3.4 x 2.1m	30%	7.28 m ³	5,316 m ³
Res09	115	ST4	1.47E-05	0.0529	3.4 x 3.4 x 2.2m	30%	7.63 m ³	877 m ³
Res10	5	TP-131	8.17E-06	0.0294	3.2 x 3.2 x 2.7m	30%	8.29 m ³	41 m ³
Res11	5	TP-131	8.17E-06	0.0294	3.2 x 3.2 x 2.7m	30%	8.29 m ³	41 m ³
Res12	300	ST1	1.46E-05	0.0526	3.4 x 3.4 x 2.2m	30%	7.63 m ³	2,289 m ³
Res13	821	ST5	1.39E-05	0.0500	3.4 x 3.4 x 2.2m	30%	7.63 m ³	6,264 m ³
Res14	220	TP-045	9.98E-05	0.3593	2.7 x 2.7 x 2.0m	30%	4.37 m ³	962 m ³
Res15	10	TP-139	1.12E-04	0.4032	2.6 x 2.6 x 2.0m	30%	4.06 m ³	41 m ³
Res16	252	TP-191	9.23E-05	0.3323	2.7 x 2.7 x 2.0m	30%	4.37 m ³	1,102 m ³
3,200								22,083 m ³

Table B.2 Residential Plots Soakaway Summary

B.6 Local Centre Parcels

The Local Centre parcels will be more densely developed and so it will be difficult to provide sufficient space for on-site infiltration. It has therefore been assumed that 75% of these parcels will be hardstanding and will drain to the main infiltration basins.

B.7 Education Parcels

The Education parcels have been assumed to have 30% of the area given over to buildings which will drain to the main infiltration basins. It has been assumed that the remaining areas will be either soft landscaping or outdoor areas which will be laid as permeable paving.

B.8 Flexible Parcel

The Flexible parcel has been assumed to have 20% of the area given over to hardstanding. In the event of this becoming a residential parcel this would be reduced to 15%. If it were to become an education plot there would be a significant sports pitch provision and so the 20% figure is believed to be more representative of the location than the 30% adopted for the more constrained schools on BA1.

B.9 Employment Land Car Parks

It is assumed that car parks serving the employment land will be constructed in permeable paving and discharge by infiltration. The full car park plan area has been taken as being available for infiltration and each car park has been sized to accommodate the 1 in 100 year + 40% climate change event. Figure B.2 illustrates the assumptions made regarding the plot hardstanding areas and disposal locations for the employment land plots. The sub-base depths have been sized by modelling infiltration out of both the sides and base and applying a safety factor of 5 from Table S3.1 in the National Standards for SuDS (area to be drained more than 1,000 m² and Minor Inconvenience).

Full calculations are contained in pages 72 to 76 and the results are summarised in Table B.3 below:

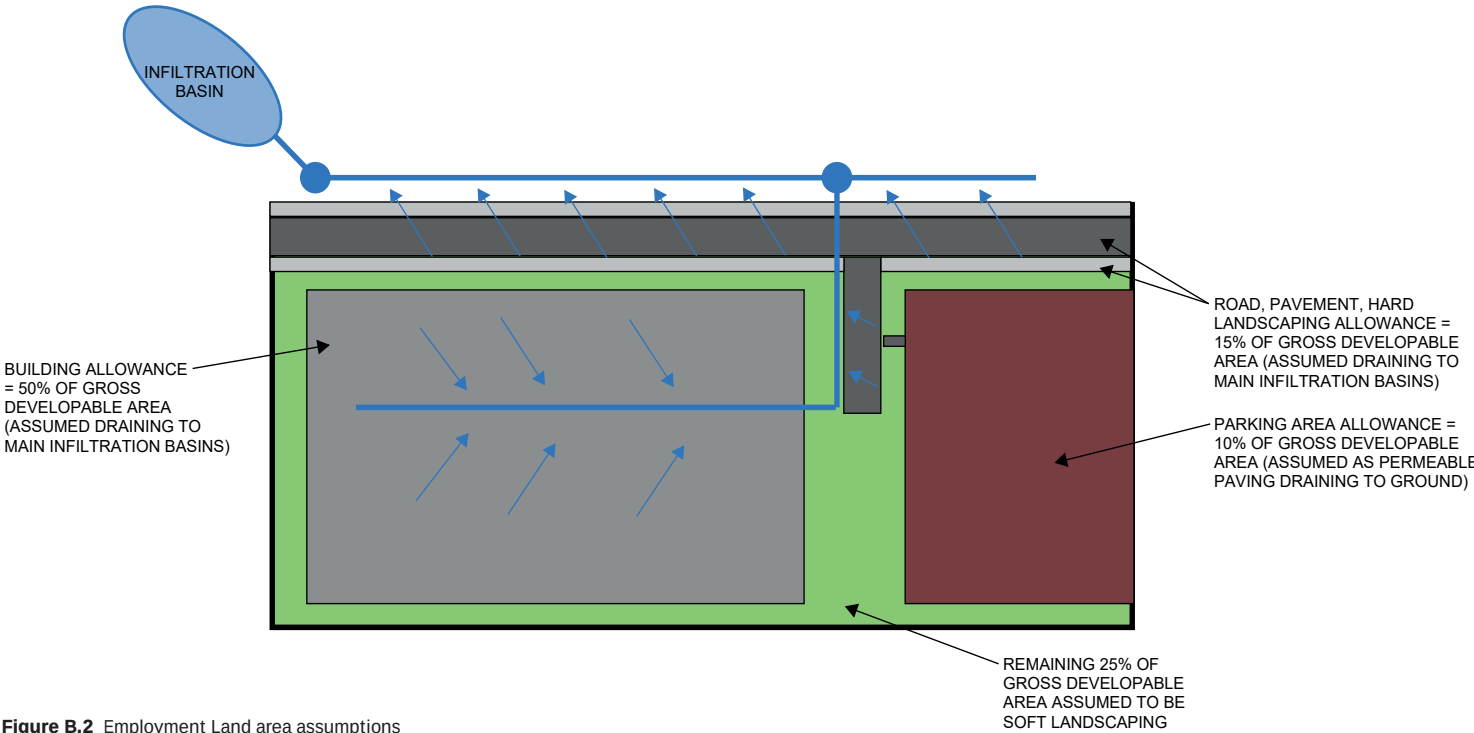


Figure B.2 Employment Land area assumptions

Plot	Plot Areas	Car Park Percentage	Car Park Hardstanding	Nearest Soakaway Test	Recommended Infiltration Rate (m/s)	Recommended Infiltration Rate (m/hr)	Required Depth (m)
Emp01	6,300 m ²	10%	630 m ²	TP-149	5.34E-06	0.0192	0.450
Emp02	129,000 m ²	10%	12,900 m ²	TP-139	1.12E-06	0.4032	0.450
Emp03	26,300 m ²	10%	2,630 m ²	TP-094	1.42E-04	0.5112	0.450

Table B.3 Employment Land car parking areas permeable paving summary

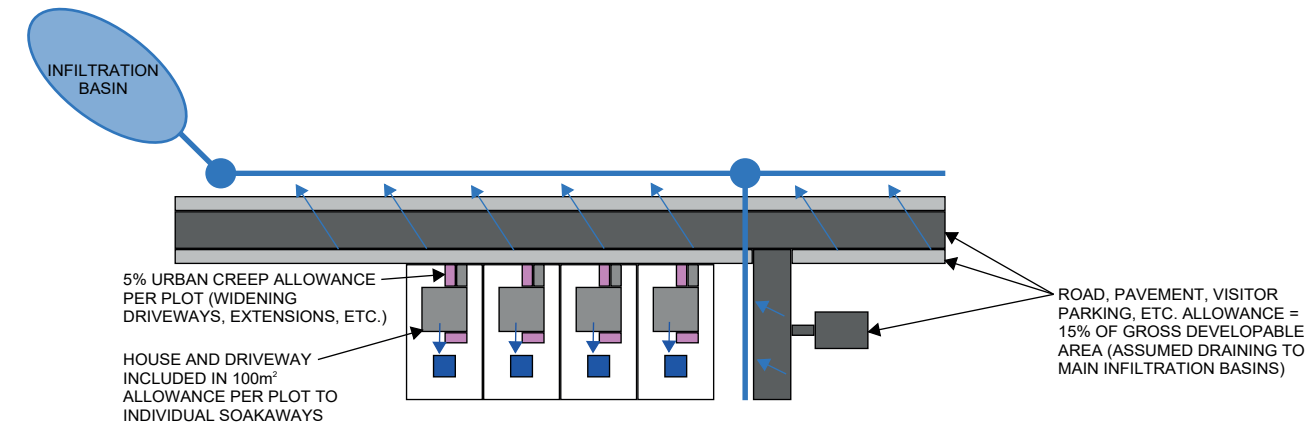


Figure B.1 Residential area assumptions

B.10 Employment Buildings, Highways and Footpaths

The Employment Land buildings and the roads and footpaths for the wider masterplan will drain to infiltration basins to dispose of surface water which have been sized to accommodate the 1 in 100 year + 40% climate change event. The locations of these basins are shown in Figure B.4 on the following page.

These basins have also been designed to have sufficient capacity to store the existing extreme flood volumes that have been calculated in these areas. Therefore, in the calculations, Basins 1, 2, 3, 5 and 7 have been designed with an "initial depth" to reflect this flood volume (refer to Figure B.3).

At present, no allowance has been made in these calculations for the impact of the SuDS devices that will be provided along the primary road network (filter drains, swales, etc.). These will both slow down the surface water flow to the basins and dispose of a portion of the runoff further upstream in the drainage network preventing it from reaching the basin at all.

Basins 3, 2 and 1 have been designed to work in series so that in extreme flood events Basin 3 overtops a weir and flows into Basin 2 which, in turn, will overtop and flow into Basin 1.

The infiltration basins have been sized by modelling infiltration out of both the sides and base and applying a safety factor. Table S3.1 in the National Standards for SuDS suggests safety factors of 1.5 for areas to be drained more than 1,000 m² and No damage or inconvenience and 5 for areas Minor inconvenience from flooding.

A risk-based assessment of the basins shows that they have been located at the respective low points of the site and are therefore below any critical roads or infrastructure. They are designed to "flood" and be water compatible and are further surrounded by additional soft landscaping areas which are also water compatible (Figure B.4 and topographical survey in Appendix A). Based on this, a safety factor of 1.5 would potentially be appropriate but, as a conservative outline-stage assumption, a safety factor of 2 has been adopted in the calculations.

A further sensitivity analysis was then undertaken to determine that a safety factor of 2 is appropriate and the assumptions of the risk assessment were upheld. The model was run with an increased safety factor of 5 to determine the volume of flooding this would create and these are tabulated below.

Basin	Flooded volume	Additional Available Area	Additional Available Depth	Additional Available Volume
1	0 m3	7,800 m2	0.15	1,170 m3
2	1,190 m3	11,580 m2	0.15	1,737 m3
3	0 m3	9,200 m2	0.15	1,380 m3
4	212 m3	1,595 m2	0.15	239 m3
5	367 m3	5,350 m2	0.15	803 m3
6	612 m3	5,057 m2	0.15	759 m3
7	0 m3	4,233 m2	0.15	635 m3
8	113 m3	1,410 m2	0.15	212 m3

Therefore, tabulating the additional available area, depth and volume above shows that the additional flooding produced by the increased safety factor remains within the soft landscaped areas and therefore causes no damage or inconvenience to any roads or infrastructure in the vicinity of the basins.

Also, the road networks and hardstanding areas draining to the ponds are located above this level and so can continue to drain due to the hydraulic gradient and so there is no damage or inconvenience caused to areas further upstream and so it is believed that a safety factor of 2 is appropriate.

As details of the upstream drainage network are developed through the Reserved Matters and Design Code process, the basin design will be refined to reflect the enhancement these provide.

Full calculations are contained in pages 76 to 93 and the results are summarised in Table B.4 below:

B.11 Network Design

The InfoDrainage results contained on the following pages demonstrate that all water is contained within the proposed drainage system for every event up to and including the 1 in 100 year plus 40% climate change allowance event.

Basin	Contributing Plots	Plot Areas	Hardstanding Percentage	Hardstanding to Basin	Total to Basin	Existing Flood Volume to be Accommodated	Nearest Soakaway Test	Recommended Infiltration Rate (m/s)	Recommended Infiltration Rate (m/hr)	Design Surface Area	Design Base Area	Design Depth	Design Volume
1	Res01	40,700 m2	15%	6,105 m2	11,025 m2	4,580 m3	ST2	1.35E-05	0.0486	6,300 m2	5,225 m2	1.00	5,763 m3
	Res02	9,500 m2	15%	1,425 m2									
	65% Res04	23,300 m2	15%	3,495 m2									
2	Res03	2,000 m2	15%	300 m2	74,835 m2	685 m3	TP-068	1.43E-05	0.0515	9,700 m2	8,350 m2	1.00	9,025 m3
	35% Res04	13,000 m2	15%	1,950 m2									
	Res05	53,300 m2	15%	7,995 m2									
	Res06	27,100 m2	15%	4,065 m2									
	Res08	168,500 m2	15%	25,275 m2									
	Res09	25,600 m2	15%	3,840 m2									
	LC01	11,600 m2	75%	8,700 m2									
	LC02	7,600 m2	75%	5,700 m2									
	LC03	5,000 m2	75%	3,750 m2									
3	LC04	8,800 m2	75%	6,600 m2	48,795 m2	4,270 m3	TP-131	8.17E-06	0.0294	7,500 m2	6,320 m2	1.00	6,910 m3
	Edu01	22,200 m2	30%	6,660 m2									
	Res07	2,500 m2	15%	375 m2									
	Res10	1,100 m2	15%	165 m2									
	Res11	1,200 m2	15%	180 m2									
	Res12	68,400 m2	15%	10,260 m2									
	Res13	189,600 m2	15%	28,440 m2									
	LC05	7,100 m2	75%	5,325 m2									
	LC06	5,400 m2	75%	4,050 m2									
4	Res14	50,300 m2	15%	7,545 m2	13,575 m2	-	TP-045	9.98E-05	0.3593	900 m2	525 m2	1.00	713 m3
	Edu02	20,100 m2	30%	6,030 m2									
5	Res15	2,300 m2	15%	345 m2	46,365 m2	2,850 m3	TP-137	2.40E-04	0.8640	4,150 m2	3,125 m2	1.20	4,365 m3
	50% Emp02	64,500 m2	65%	41,925 m2									
6	50% Emp02	64,500 m2	65%	41,925 m2	59,020 m2	-	TP-127	2.84E-05	0.1022	4,200 m2	3,165 m2	1.20	4,419 m3
	Emp03	26,300 m2	65%	17,095 m2									
7	Fle01	105,000 m2	20%	21,000 m2	21,000 m2	1,540 m3	TP-161	2.97E-06	0.0107	3,650 m2	2,690 m2	1.20	3,804 m3
8	Res16	69,600 m2	15%	10,440 m2	10,440 m2	-	TP-191	9.23E-05	0.3323	770 m2	425 m2	1.00	598 m3

Table B.4 Infiltration Basin Summary

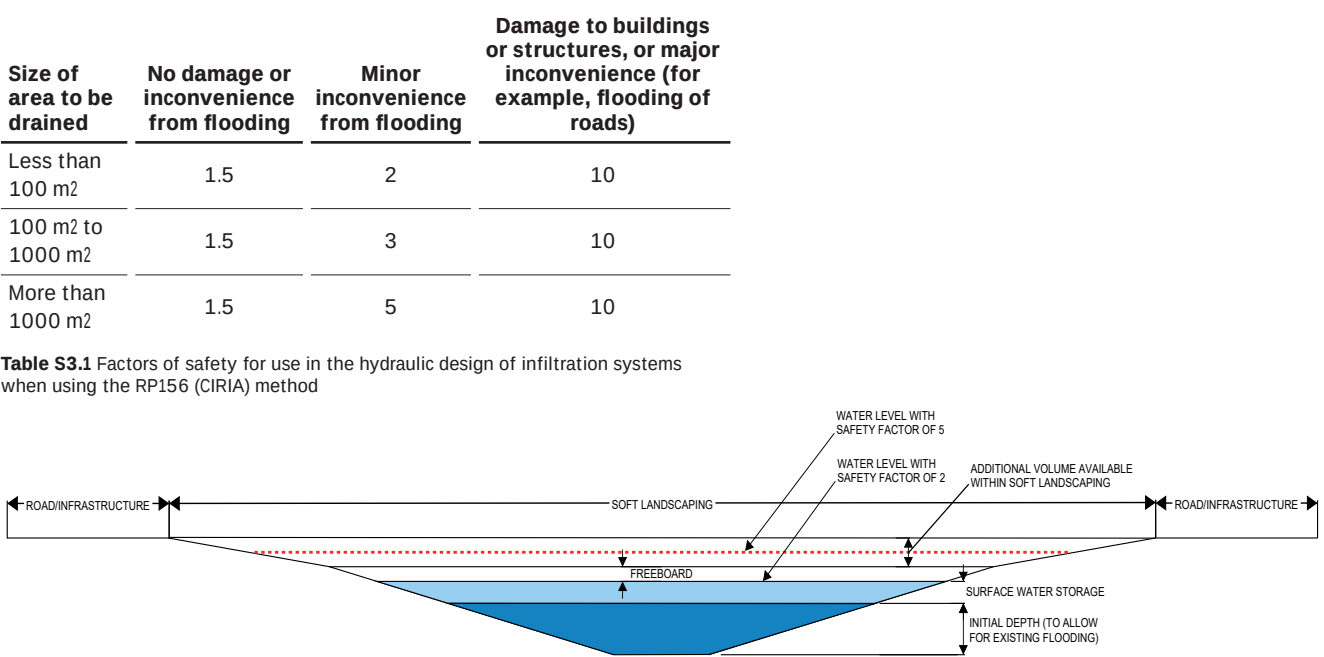


Figure B.3 Schematic of infiltration basin design calculations



Figure B.4 Infiltration Basin Locations

Individual House Soakaways: Parcels Res1 Res2 & Res3 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Catchment Area

Type : Catchment Area

Area (m²)	100.00
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Individual House Soakaways: Parcels Res1 Res2 & Res3 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Soakaway

Type : Soakaway

Dimensions	
Exceedance Level (m)	58.000
Depth (m)	2.200
Base Level (m)	55.800
Freeboard (mm)	100
Soakaway Shape	Square
Diameter / Width (m)	3.400
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.0515
Side Infiltration Rate (m/hr)	0.0515
Safety Factor	3.0
Total Volume (m³)	7.283
Inlets	
Inlet	
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcels Res1 Res2 & Res3 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcels Res1 Res2 & Res3 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcels Res1 Res2 & Res3 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		





Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.155	56.155	0.355	0.355	2.9	1.230	0.000	0.126	0.0	0.000		83.110	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.154	56.154	0.354	0.354	2.7	1.227	0.000	0.126	0.0	0.000		83.153	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.234	56.234	0.434	0.434	1.9	1.508	0.000	0.267	0.0	0.000		79.298	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.236	56.236	0.436	0.436	1.8	1.514	0.000	0.267	0.0	0.000		79.217	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.303	56.303	0.503	0.503	1.6	1.747	0.000	0.558	0.0	0.000		76.012	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.304	56.304	0.504	0.504	1.3	1.748	0.000	0.557	0.0	0.000		76.003	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.477	56.477	0.677	0.677	1.4	2.346	0.000	1.219	0.0	0.000		67.787	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.482	56.482	0.682	0.682	1.0	2.365	0.000	1.217	0.0	0.000		67.526	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.541	56.541	0.741	0.741	1.1	2.569	0.000	1.866	0.0	0.000		64.731	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.546	56.546	0.746	0.746	0.8	2.588	0.000	1.860	0.0	0.000		64.469	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.563	56.563	0.763	0.763	1.0	2.646	0.000	2.476	0.0	0.000		63.661	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.573	56.573	0.773	0.773	0.7	2.680	0.000	2.471	0.0	0.000		63.200	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.558	56.558	0.758	0.758	0.8	2.629	0.000	3.542	0.0	0.000		63.902	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.566	56.566	0.766	0.766	0.5	2.657	0.000	3.542	0.0	0.000		63.516	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.538	56.538	0.738	0.738	0.6	2.560	0.000	4.449	0.0	0.000		64.853	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.533	56.533	0.733	0.733	0.4	2.543	0.000	4.425	0.0	0.000		65.079	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.504	56.504	0.704	0.704	0.5	2.441	0.000	4.746	0.0	0.000		66.476	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.494	56.494	0.694	0.694	0.3	2.409	0.000	4.758	0.0	0.000		66.925	OK
FEH: 30 years: +40 %: 15 mins: Summer	56.650	56.650	0.850	0.850	6.8	2.948	0.000	0.164	0.0	0.000		59.527	OK
FEH: 30 years: +40 %: 15 mins: Winter	56.650	56.650	0.850	0.850	6.3	2.947	0.000	0.164	0.0	0.000		59.530	OK
FEH: 30 years: +40 %: 30 mins: Summer	56.874	56.874	1.074	1.074	4.5	3.726	0.000	0.373	0.0	0.000	10	48.842	OK
FEH: 30 years: +40 %: 30 mins: Winter	56.874	56.874	1.074	1.074	4.2	3.726	0.000	0.373	0.0	0.000	10	48.841	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.076	57.076	1.276	1.276	3.8	4.426	0.000	0.818	0.0	0.000		39.233	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.076	57.076	1.276	1.276	3.1	4.426	0.000	0.818	0.0	0.000		39.228	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.334	57.334	1.534	1.534	2.9	5.322	0.000	1.796	0.0	0.000		26.928	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.334	57.334	1.534	1.534	2.1	5.322	0.000	1.791	0.0	0.000		26.922	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.423	57.423	1.623	1.623	2.3	5.629	0.000	2.746	0.0	0.000		22.704	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.433	57.433	1.633	1.633	1.6	5.664	0.000	2.743	0.0	0.000		22.229	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.451	57.451	1.651	1.651	1.9	5.726	0.000	3.646	0.0	0.000		21.378	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.463	57.463	1.663	1.663	1.3	5.767	0.000	3.637	0.0	0.000		20.814	OK

Individual House Soakaways: Parcels Res1 Res2 & Res3 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



FEH: 30 years: +40 %: 360 mins: Summer	57.421	57.421	1.621	1.621	1.4	5.623	0.000	5.217	0.0	0.000	290	22.797	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.432	57.432	1.632	1.632	0.9	5.661	0.000	5.215	0.0	0.000	280	22.265	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.378	57.378	1.578	1.578	1.1	5.474	0.000	6.544	0.0	0.000	310	24.841	OK
FEH: 30 years: +40 %: 480 mins: Winter	57.379	57.379	1.579	1.579	0.7	5.476	0.000	6.536	0.0	0.000	300	24.812	OK
FEH: 30 years: +40 %: 600 mins: Summer	57.326	57.326	1.526	1.526	0.9	5.292	0.000	7.645	0.0	0.000	320	27.334	OK
FEH: 30 years: +40 %: 600 mins: Winter	57.325	57.325	1.525	1.525	0.6	5.288	0.000	7.659	0.0	0.000	295	27.392	OK
FEH: 100 years: +40 %: 15 mins: Summer	56.879	56.879	1.079	1.079	8.5	3.743	0.000	0.182	0.0	0.000		48.610	OK
FEH: 100 years: +40 %: 15 mins: Winter	56.880	56.880	1.080	1.080	8.0	3.745	0.000	0.182	0.0	0.000		48.572	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.179	57.179	1.379	1.379	5.8	4.785	0.000	0.423	0.0	0.000		34.296	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.179	57.179	1.379	1.379	5.4	4.785	0.000	0.423	0.0	0.000		34.296	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.453	57.453	1.653	1.653	4.9	5.733	0.000	0.945	0.0	0.000		21.274	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.454	57.454	1.654	1.654	4.0	5.740	0.000	0.945	0.0	0.000		21.190	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.748	57.748	1.948	1.948	3.6	6.760	0.000	2.075	0.0	0.000		7.177	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.754	57.754	1.954	1.954	2.6	6.778	0.000	2.073	0.0	0.000		6.931	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.859	57.859	2.059	2.059	2.9	7.139	0.000	3.179	0.0	0.000		1.970	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.871	57.871	2.071	2.071	2.0	7.181	0.000	3.178	0.0	0.000		1.397	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.897	57.897	2.097	2.097	2.4	7.273	0.000	4.229	0.0	0.000		0.140	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.909	57.909	2.109	2.109	1.6	7.314	0.000	4.219	0.0	0.000		-0.428	Flood Risk
FEH: 100 years: +40 %: 360 mins: Summer	57.874	57.874	2.074	2.074	1.7	7.195	0.000	6.089	0.0	0.000		1.209	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.883	57.883	2.083	2.083	1.1	7.226	0.000	6.078	0.0	0.000		0.785	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.827	57.827	2.027	2.027	1.4	7.031	0.000	7.655	0.0	0.000	460	3.457	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.827	57.827	2.027	2.027	0.9	7.030	0.000	7.637	0.0	0.000	450	3.467	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.768	57.768	1.968	1.968	1.2	6.826	0.000	8.953	0.0	0.000	470	6.279	OK
FEH: 100 years: +40 %: 600 mins: Winter	57.765	57.765	1.965	1.965	0.8	6.815	0.000	8.949	0.0	0.000	445	6.425	OK

Individual House Soakaways: Parcel Res4 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

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

Individual House Soakaways: Parcel Res4 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Soakaway

Type : Soakaway

Dimensions

Exceedance Level (m)	58.000
Depth (m)	2.200
Base Level (m)	55.800
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	3.400
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.0486
Side Infiltration Rate (m/hr)	0.0486
Safety Factor	3.0
Total Volume (m³)	7.456

Inlets

Inlet

Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res4 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res4 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res4 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.156	56.156	0.356	0.356	2.9	1.234	0.000	0.119	0.0	0.000		83.445	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.155	56.155	0.355	0.355	2.7	1.231	0.000	0.119	0.0	0.000		83.487	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.237	56.237	0.437	0.437	1.9	1.516	0.000	0.252	0.0	0.000		79.675	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.238	56.238	0.438	0.438	1.8	1.521	0.000	0.253	0.0	0.000		79.595	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.308	56.308	0.508	0.508	1.6	1.762	0.000	0.528	0.0	0.000		76.370	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.308	56.308	0.508	0.508	1.3	1.763	0.000	0.528	0.0	0.000		76.362	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.485	56.485	0.685	0.685	1.4	2.375	0.000	1.158	0.0	0.000		68.147	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.490	56.490	0.690	0.690	1.0	2.394	0.000	1.156	0.0	0.000		67.895	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.553	56.553	0.753	0.753	1.1	2.613	0.000	1.777	0.0	0.000		64.960	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.558	56.558	0.758	0.758	0.8	2.630	0.000	1.772	0.0	0.000		64.731	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.577	56.577	0.777	0.777	1.0	2.696	0.000	2.365	0.0	0.000		63.840	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.588	56.588	0.788	0.788	0.7	2.734	0.000	2.360	0.0	0.000		63.336	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.575	56.575	0.775	0.775	0.8	2.689	0.000	3.401	0.0	0.000		63.940	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.584	56.584	0.784	0.784	0.5	2.718	0.000	3.402	0.0	0.000		63.543	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.557	56.557	0.757	0.757	0.6	2.626	0.000	4.294	0.0	0.000		64.780	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.554	56.554	0.754	0.754	0.4	2.615	0.000	4.270	0.0	0.000		64.925	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.523	56.523	0.723	0.723	0.5	2.508	0.000	4.746	0.0	0.000		66.364	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.518	56.518	0.718	0.718	0.3	2.490	0.000	4.758	0.0	0.000		66.611	OK
FEH: 30 years: +40 %: 15 mins: Summer	56.651	56.651	0.851	0.851	6.8	2.953	0.000	0.155	0.0	0.000		60.397	OK
FEH: 30 years: +40 %: 15 mins: Winter	56.651	56.651	0.851	0.851	6.3	2.953	0.000	0.155	0.0	0.000		60.399	OK
FEH: 30 years: +40 %: 30 mins: Summer	56.877	56.877	1.077	1.077	4.5	3.736	0.000	0.352	0.0	0.000	0	49.894	OK
FEH: 30 years: +40 %: 30 mins: Winter	56.877	56.877	1.077	1.077	4.2	3.736	0.000	0.352	0.0	0.000	0	49.893	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.081	57.081	1.281	1.281	3.8	4.446	0.000	0.775	0.0	0.000		40.372	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.082	57.082	1.282	1.282	3.1	4.446	0.000	0.775	0.0	0.000		40.368	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.346	57.346	1.546	1.546	2.9	5.364	0.000	1.706	0.0	0.000		28.060	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.346	57.346	1.546	1.546	2.1	5.362	0.000	1.701	0.0	0.000		28.090	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.441	57.441	1.641	1.641	2.3	5.690	0.000	2.615	0.0	0.000		23.684	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.450	57.450	1.650	1.650	1.6	5.722	0.000	2.612	0.0	0.000		23.257	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.474	57.474	1.674	1.674	1.9	5.807	0.000	3.481	0.0	0.000		22.118	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.485	57.485	1.685	1.685	1.3	5.844	0.000	3.473	0.0	0.000		21.620	OK

Individual House Soakaways: Parcel Res4 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 360 mins: Summer	57.447	57.447	1.647	1.647	1.4	5.714	0.000	5.006	0.0	0.000	295	23.366	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.462	57.462	1.662	1.662	0.9	5.763	0.000	5.005	0.0	0.000	265	22.702	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.407	57.407	1.607	1.607	1.1	5.574	0.000	6.309	0.0	0.000	320	25.242	OK
FEH: 30 years: +40 %: 480 mins: Winter	57.409	57.409	1.609	1.609	0.7	5.579	0.000	6.302	0.0	0.000	310	25.175	OK
FEH: 30 years: +40 %: 600 mins: Summer	57.357	57.357	1.557	1.557	0.9	5.401	0.000	7.402	0.0	0.000	330	27.568	OK
FEH: 30 years: +40 %: 600 mins: Winter	57.359	57.359	1.559	1.559	0.6	5.406	0.000	7.415	0.0	0.000	310	27.496	OK
FEH: 100 years: +40 %: 15 mins: Summer	56.881	56.881	1.081	1.081	8.5	3.749	0.000	0.172	0.0	0.000	0	49.726	OK
FEH: 100 years: +40 %: 15 mins: Winter	56.882	56.882	1.082	1.082	8.0	3.751	0.000	0.172	0.0	0.000	0	49.690	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.183	57.183	1.383	1.383	5.8	4.796	0.000	0.400	0.0	0.000		35.671	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.183	57.183	1.383	1.383	5.4	4.796	0.000	0.400	0.0	0.000		35.671	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.459	57.459	1.659	1.659	4.9	5.757	0.000	0.895	0.0	0.000		22.795	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.461	57.461	1.661	1.661	4.0	5.763	0.000	0.895	0.0	0.000		22.713	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.762	57.762	1.962	1.962	3.6	6.808	0.000	1.970	0.0	0.000		8.693	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.767	57.767	1.967	1.967	2.6	6.823	0.000	1.968	0.0	0.000		8.493	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.879	57.879	2.079	2.079	2.9	7.209	0.000	3.027	0.0	0.000		3.320	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.890	57.890	2.090	2.090	2.0	7.247	0.000	3.026	0.0	0.000		2.802	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.924	57.924	2.124	2.124	2.4	7.365	0.000	4.038	0.0	0.000		1.223	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.934	57.934	2.134	2.134	1.6	7.403	0.000	4.028	0.0	0.000		0.714	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.905	57.905	2.105	2.105	1.7	7.302	0.000	5.842	0.0	0.000		2.070	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.918	57.918	2.118	2.118	1.1	7.347	0.000	5.832	0.0	0.000		1.461	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.861	57.861	2.061	2.061	1.4	7.148	0.000	7.378	0.0	0.000	475	4.130	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.862	57.862	2.062	2.062	0.9	7.151	0.000	7.361	0.0	0.000	470	4.097	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.804	57.804	2.004	2.004	1.2	6.952	0.000	8.666	0.0	0.000	490	6.767	OK
FEH: 100 years: +40 %: 600 mins: Winter	57.804	57.804	2.004	2.004	0.8	6.950	0.000	8.662	0.0	0.000	475	6.793	OK

Individual House Soakaways: Parcel Res5 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Individual House Soakaways: Parcel Res5 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Soakaway

Type : Soakaway

Dimensions	
Exceedance Level (m)	58.000
Depth (m)	2.000
Base Level (m)	56.000
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	3.100
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.1537
Side Infiltration Rate (m/hr)	0.1537
Safety Factor	3.0
Total Volume (m³)	5.622

Inlets	
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Inlet	
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res5 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res5 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res5 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



 Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.385	56.385	0.385	0.385	2.9	1.112	0.000	0.321	0.0	0.000		80.227	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.384	56.384	0.384	0.384	2.7	1.108	0.000	0.321	0.0	0.000		80.290	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.451	56.451	0.451	0.451	1.9	1.297	0.000	0.672	0.0	0.000		76.923	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.453	56.453	0.453	0.453	1.8	1.303	0.000	0.673	0.0	0.000		76.824	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.477	56.477	0.477	0.477	1.6	1.376	0.000	1.340	0.0	0.000		75.532	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.481	56.481	0.481	0.481	1.3	1.386	0.000	1.338	0.0	0.000		75.352	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.587	56.587	0.587	0.587	1.4	1.692	0.000	2.691	0.0	0.000		69.902	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.589	56.589	0.589	0.589	1.0	1.697	0.000	2.686	0.0	0.000		69.810	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.608	56.608	0.608	0.608	1.1	1.752	0.000	3.439	0.0	0.000		68.838	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.593	56.593	0.593	0.593	0.8	1.710	0.000	3.433	0.0	0.000		69.591	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.602	56.602	0.602	0.602	1.0	1.735	0.000	3.799	0.0	0.000		69.132	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.579	56.579	0.579	0.579	0.7	1.670	0.000	3.805	0.0	0.000		70.298	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.558	56.558	0.558	0.558	0.8	1.608	0.000	4.237	0.0	0.000		71.401	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.512	56.512	0.512	0.512	0.5	1.477	0.000	4.261	0.0	0.000		73.730	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.508	56.508	0.508	0.508	0.6	1.463	0.000	4.561	0.0	0.000		73.973	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.436	56.436	0.436	0.436	0.4	1.256	0.000	4.537	0.0	0.000		77.650	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.452	56.452	0.452	0.452	0.5	1.302	0.000	4.747	0.0	0.000		76.832	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.364	56.364	0.364	0.364	0.3	1.050	0.000	4.759	0.0	0.000		81.321	OK
FEH: 30 years: +40 %: 15 mins: Summer	56.965	56.965	0.965	0.965	6.8	2.784	0.000	0.445	0.0	0.000		50.474	OK
FEH: 30 years: +40 %: 15 mins: Winter	56.965	56.965	0.965	0.965	6.3	2.784	0.000	0.446	0.0	0.000		50.481	OK
FEH: 30 years: +40 %: 30 mins: Summer	57.182	57.182	1.182	1.182	4.5	3.408	0.000	1.002	0.0	0.000		39.384	OK
FEH: 30 years: +40 %: 30 mins: Winter	57.182	57.182	1.182	1.182	4.2	3.408	0.000	1.002	0.0	0.000		39.382	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.331	57.331	1.331	1.331	3.8	3.836	0.000	2.106	0.0	0.000	50	31.773	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.336	57.336	1.336	1.336	3.1	3.853	0.000	2.105	0.0	0.000	50	31.463	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.464	57.464	1.464	1.464	2.9	4.221	0.000	4.220	0.0	0.000	85	24.923	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.462	57.462	1.462	1.462	2.1	4.217	0.000	4.204	0.0	0.000	85	24.997	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.469	57.469	1.469	1.469	2.3	4.236	0.000	5.889	0.0	0.000	100	24.658	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.466	57.466	1.466	1.466	1.6	4.229	0.000	5.882	0.0	0.000	95	24.780	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.439	57.439	1.439	1.439	1.9	4.149	0.000	7.188	0.0	0.000	110	26.202	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.419	57.419	1.419	1.419	1.3	4.091	0.000	7.172	0.0	0.000	100	27.230	OK

Individual House Soakaways: Parcel Res5 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



FEH: 30 years: +40 %: 360 mins: Summer	57.323	57.323	1.323	1.323	1.4	3.814	0.000	7.945	0.0	0.000	105	32.161	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.279	57.279	1.279	1.279	0.9	3.689	0.000	7.957	0.0	0.000	100	34.388	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.214	57.214	1.214	1.214	1.1	3.501	0.000	8.359	0.0	0.000	80	37.719	OK
FEH: 30 years: +40 %: 480 mins: Winter	57.130	57.130	1.130	1.130	0.7	3.258	0.000	8.359	0.0	0.000	60	42.042	OK
FEH: 30 years: +40 %: 600 mins: Summer	57.116	57.116	1.116	1.116	0.9	3.218	0.000	8.653	0.0	0.000	60	42.765	OK
FEH: 30 years: +40 %: 600 mins: Winter	57.011	57.011	1.011	1.011	0.6	2.915	0.000	8.689	0.0	0.000	30	48.153	OK
FEH: 100 years: +40 %: 15 mins: Summer	57.234	57.234	1.234	1.234	8.5	3.560	0.000	0.502	0.0	0.000		36.679	OK
FEH: 100 years: +40 %: 15 mins: Winter	57.235	57.235	1.235	1.235	8.0	3.562	0.000	0.503	0.0	0.000		36.633	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.533	57.533	1.533	1.533	5.8	4.421	0.000	1.158	0.0	0.000		21.361	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.533	57.533	1.533	1.533	5.4	4.421	0.000	1.158	0.0	0.000		21.359	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.749	57.749	1.749	1.749	4.9	5.040	0.000	2.479	0.0	0.000		10.350	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.757	57.757	1.757	1.757	4.0	5.066	0.000	2.479	0.0	0.000		9.884	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.892	57.892	1.892	1.892	3.6	5.456	0.000	4.956	0.0	0.000	130	2.944	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.897	57.897	1.897	1.897	2.6	5.468	0.000	4.949	0.0	0.000	125	2.730	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.900	57.900	1.900	1.900	2.9	5.479	0.000	6.932	0.0	0.000	145	2.545	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.898	57.898	1.898	1.898	2.0	5.472	0.000	6.929	0.0	0.000	140	2.660	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.869	57.869	1.869	1.869	2.4	5.389	0.000	8.475	0.0	0.000	160	4.135	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.845	57.845	1.845	1.845	1.6	5.320	0.000	8.455	0.0	0.000	145	5.373	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.746	57.746	1.746	1.746	1.8	5.034	0.000	9.877	0.0	0.000	165	10.451	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.691	57.691	1.691	1.691	1.1	4.875	0.000	9.865	0.0	0.000	145	13.291	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.611	57.611	1.611	1.611	1.4	4.645	0.000	10.375	0.0	0.000	165	17.375	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.522	57.522	1.522	1.522	0.9	4.388	0.000	10.357	0.0	0.000	150	21.949	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.487	57.487	1.487	1.487	1.2	4.288	0.000	10.723	0.0	0.000	145	23.727	OK
FEH: 100 years: +40 %: 600 mins: Winter	57.370	57.370	1.370	1.370	0.8	3.951	0.000	10.729	0.0	0.000	125	29.729	OK

Individual House Soakaways: Parcel Res6 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Individual House Soakaways: Parcel Res6 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Soakaway

Type : Soakaway

Dimensions	
Exceedance Level (m)	58.000
Depth (m)	2.100
Base Level (m)	55.900
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	3.300
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.0817
Side Infiltration Rate (m/hr)	0.0817
Safety Factor	3.0
Total Volume (m³)	6.697

Inlets	
Inlet	
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res6 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res6 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res6 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		





Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.264	56.264	0.364	0.364	2.9	1.191	0.000	0.189	0.0	0.000		82.214	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.263	56.263	0.363	0.363	2.7	1.188	0.000	0.189	0.0	0.000		82.263	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.339	56.339	0.439	0.439	1.9	1.437	0.000	0.401	0.0	0.000		78.550	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.341	56.341	0.441	0.441	1.8	1.442	0.000	0.402	0.0	0.000		78.464	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.395	56.395	0.495	0.495	1.6	1.617	0.000	0.827	0.0	0.000		75.862	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.397	56.397	0.497	0.497	1.3	1.625	0.000	0.826	0.0	0.000		75.736	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.538	56.538	0.638	0.638	1.4	2.084	0.000	1.763	0.0	0.000		68.878	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.546	56.546	0.646	0.646	1.0	2.112	0.000	1.760	0.0	0.000		68.470	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.582	56.582	0.682	0.682	1.1	2.227	0.000	2.626	0.0	0.000		66.752	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.582	56.582	0.682	0.682	0.8	2.229	0.000	2.616	0.0	0.000		66.716	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.591	56.591	0.691	0.691	1.0	2.257	0.000	3.392	0.0	0.000		66.301	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.595	56.595	0.695	0.695	0.7	2.269	0.000	3.385	0.0	0.000		66.118	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.567	56.567	0.667	0.667	0.8	2.179	0.000	4.237	0.0	0.000		67.460	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.561	56.561	0.661	0.661	0.5	2.158	0.000	4.261	0.0	0.000		67.772	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.536	56.536	0.636	0.636	0.6	2.079	0.000	4.561	0.0	0.000		68.953	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.510	56.510	0.610	0.610	0.4	1.993	0.000	4.537	0.0	0.000		70.236	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.497	56.497	0.597	0.597	0.5	1.952	0.000	4.747	0.0	0.000		70.861	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.460	56.460	0.560	0.560	0.3	1.828	0.000	4.759	0.0	0.000		72.701	OK
FEH: 30 years: +40 %: 15 mins: Summer	56.786	56.786	0.886	0.886	6.8	2.897	0.000	0.253	0.0	0.000		56.751	OK
FEH: 30 years: +40 %: 15 mins: Winter	56.786	56.786	0.886	0.886	6.3	2.896	0.000	0.253	0.0	0.000		56.755	OK
FEH: 30 years: +40 %: 30 mins: Summer	57.009	57.009	1.109	1.109	4.5	3.627	0.000	0.572	0.0	0.000	20	45.845	OK
FEH: 30 years: +40 %: 30 mins: Winter	57.009	57.009	1.109	1.109	4.2	3.627	0.000	0.572	0.0	0.000	20	45.845	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.193	57.193	1.293	1.293	3.8	4.228	0.000	1.240	0.0	0.000		36.871	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.195	57.195	1.295	1.295	3.1	4.229	0.000	1.240	0.0	0.000		36.860	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.410	57.410	1.510	1.510	2.9	4.934	0.000	2.651	0.0	0.000		26.329	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.412	57.412	1.512	1.512	2.1	4.940	0.000	2.642	0.0	0.000		26.232	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.449	57.449	1.549	1.549	2.3	5.062	0.000	3.941	0.0	0.000	155	24.412	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.465	57.465	1.565	1.565	1.6	5.113	0.000	3.935	0.0	0.000	145	23.662	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.453	57.453	1.553	1.553	1.9	5.076	0.000	5.093	0.0	0.000	175	24.211	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.455	57.455	1.555	1.555	1.3	5.081	0.000	5.080	0.0	0.000	175	24.135	OK

Individual House Soakaways: Parcel Res6 Baldock	Date: 01/04/2026		
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FEH: 30 years: +40 %: 360 mins: Summer	57.399	57.399	1.499	1.499	1.4	4.897	0.000	6.930	0.0	0.000	195	26.883	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.399	57.399	1.499	1.499	0.9	4.899	0.000	6.929	0.0	0.000	185	26.851	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.327	57.327	1.427	1.427	1.1	4.663	0.000	8.315	0.0	0.000	200	30.381	OK
FEH: 30 years: +40 %: 480 mins: Winter	57.308	57.308	1.408	1.408	0.7	4.599	0.000	8.306	0.0	0.000	180	31.326	OK
FEH: 30 years: +40 %: 600 mins: Summer	57.248	57.248	1.348	1.348	0.9	4.406	0.000	8.653	0.0	0.000	200	34.218	OK
FEH: 30 years: +40 %: 600 mins: Winter	57.218	57.218	1.318	1.318	0.6	4.306	0.000	8.689	0.0	0.000	175	35.710	OK
FEH: 100 years: +40 %: 15 mins: Summer	57.028	57.028	1.128	1.128	8.5	3.686	0.000	0.281	0.0	0.000		44.960	OK
FEH: 100 years: +40 %: 15 mins: Winter	57.029	57.029	1.129	1.129	8.0	3.689	0.000	0.282	0.0	0.000		44.921	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.330	57.330	1.430	1.430	5.8	4.673	0.000	0.653	0.0	0.000		30.221	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.330	57.330	1.430	1.430	5.4	4.673	0.000	0.653	0.0	0.000		30.220	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.584	57.584	1.684	1.684	4.9	5.505	0.000	1.441	0.0	0.000		17.806	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.586	57.586	1.686	1.686	4.0	5.511	0.000	1.442	0.0	0.000		17.713	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.832	57.832	1.932	1.932	3.6	6.311	0.000	3.079	0.0	0.000		5.770	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.840	57.840	1.940	1.940	2.6	6.338	0.000	3.075	0.0	0.000		5.360	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.881	57.881	1.981	1.981	2.9	6.473	0.000	4.588	0.0	0.000		3.347	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.901	57.901	2.001	2.001	2.0	6.540	0.000	4.586	0.0	0.000		2.352	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.887	57.887	1.987	1.987	2.4	6.492	0.000	5.941	0.0	0.000	265	3.059	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.890	57.890	1.990	1.990	1.6	6.500	0.000	5.926	0.0	0.000	255	2.940	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.837	57.837	1.937	1.937	1.8	6.330	0.000	8.135	0.0	0.000	290	5.485	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.832	57.832	1.932	1.932	1.1	6.313	0.000	8.121	0.0	0.000	275	5.733	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.761	57.761	1.861	1.861	1.4	6.081	0.000	9.783	0.0	0.000	295	9.198	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.737	57.737	1.837	1.837	0.9	6.004	0.000	9.762	0.0	0.000	275	10.358	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.671	57.671	1.771	1.771	1.2	5.787	0.000	10.723	0.0	0.000	295	13.600	OK
FEH: 100 years: +40 %: 600 mins: Winter	57.634	57.634	1.734	1.734	0.8	5.667	0.000	10.729	0.0	0.000	275	15.391	OK

Individual House Soakaways: Parcel Res7, Res 10 & Res11 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

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

Individual House Soakaways: Parcel Res7, Res 10 & Res11 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Soakaway

Type : Soakaway

Dimensions

Exceedance Level (m)	58.000
Depth (m)	2.700
Base Level (m)	55.300
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	3.200
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.0294
Side Infiltration Rate (m/hr)	0.0294
Safety Factor	3.0
Total Volume (m³)	8.141

Inlets

Inlet

Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res7, Res 10 & Res11 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res7, Res 10 & Res11 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res7, Res 10 & Res11 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



 Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	55.712	55.712	0.412	0.412	2.9	1.267	0.000	0.067	0.0	0.000		84.441	OK
FEH: 2 years: +40 %: 15 mins: Winter	55.711	55.711	0.411	0.411	2.7	1.264	0.000	0.067	0.0	0.000		84.479	OK
FEH: 2 years: +40 %: 30 mins: Summer	55.812	55.812	0.512	0.512	1.9	1.574	0.000	0.145	0.0	0.000		80.667	OK
FEH: 2 years: +40 %: 30 mins: Winter	55.814	55.814	0.514	0.514	1.8	1.580	0.000	0.145	0.0	0.000		80.594	OK
FEH: 2 years: +40 %: 60 mins: Summer	55.910	55.910	0.610	0.610	1.6	1.873	0.000	0.309	0.0	0.000		76.989	OK
FEH: 2 years: +40 %: 60 mins: Winter	55.910	55.910	0.610	0.610	1.3	1.873	0.000	0.309	0.0	0.000		76.987	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.145	56.145	0.845	0.845	1.4	2.597	0.000	0.701	0.0	0.000		68.101	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.149	56.149	0.849	0.849	1.0	2.608	0.000	0.701	0.0	0.000		67.963	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.258	56.258	0.958	0.958	1.1	2.942	0.000	1.104	0.0	0.000		63.865	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.260	56.260	0.960	0.960	0.8	2.948	0.000	1.102	0.0	0.000		63.783	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.317	56.317	1.017	1.017	1.0	3.124	0.000	1.502	0.0	0.000		61.621	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.325	56.325	1.025	1.025	0.7	3.150	0.000	1.501	0.0	0.000		61.303	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.347	56.347	1.047	1.047	0.8	3.218	0.000	2.245	0.0	0.000		60.470	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.366	56.366	1.066	1.066	0.5	3.274	0.000	2.248	0.0	0.000		59.787	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.351	56.351	1.051	1.051	0.6	3.228	0.000	2.934	0.0	0.000		60.344	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.353	56.353	1.053	1.053	0.4	3.234	0.000	2.920	0.0	0.000		60.268	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.328	56.328	1.028	1.028	0.5	3.158	0.000	3.532	0.0	0.000		61.211	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.335	56.335	1.035	1.035	0.3	3.181	0.000	3.529	0.0	0.000		60.931	OK
FEH: 30 years: +40 %: 15 mins: Summer	56.274	56.274	0.974	0.974	6.8	2.992	0.000	0.090	0.0	0.000		63.251	OK
FEH: 30 years: +40 %: 15 mins: Winter	56.274	56.274	0.974	0.974	6.3	2.991	0.000	0.091	0.0	0.000		63.253	OK
FEH: 30 years: +40 %: 30 mins: Summer	56.540	56.540	1.240	1.240	4.5	3.809	0.000	0.209	0.0	0.000		53.207	OK
FEH: 30 years: +40 %: 30 mins: Winter	56.540	56.540	1.240	1.240	4.2	3.809	0.000	0.209	0.0	0.000		53.207	OK
FEH: 30 years: +40 %: 60 mins: Summer	56.794	56.794	1.494	1.494	3.8	4.591	0.000	0.469	0.0	0.000		43.607	OK
FEH: 30 years: +40 %: 60 mins: Winter	56.794	56.794	1.494	1.494	3.1	4.591	0.000	0.469	0.0	0.000		43.605	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.143	57.143	1.843	1.843	2.9	5.662	0.000	1.065	0.0	0.000		30.444	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.137	57.137	1.837	1.837	2.1	5.642	0.000	1.061	0.0	0.000		30.691	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.295	57.295	1.995	1.995	2.3	6.131	0.000	1.669	0.0	0.000		24.685	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.301	57.301	2.001	2.001	1.6	6.149	0.000	1.668	0.0	0.000		24.467	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.379	57.379	2.079	2.079	1.9	6.386	0.000	2.267	0.0	0.000		21.558	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.384	57.384	2.084	2.084	1.3	6.402	0.000	2.263	0.0	0.000		21.361	OK

Individual House Soakaways: Parcel Res7, Res 10 & Res11 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



FEH: 30 years: +40 %: 360 mins: Summer	57.414	57.414	2.114	2.114	1.4	6.496	0.000	3.379	0.0	0.000		20.204	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.432	57.432	2.132	2.132	0.9	6.551	0.000	3.379	0.0	0.000		19.524	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.393	57.393	2.093	2.093	1.1	6.430	0.000	4.397	0.0	0.000	490	21.012	OK
FEH: 30 years: +40 %: 480 mins: Winter	57.414	57.414	2.114	2.114	0.7	6.496	0.000	4.393	0.0	0.000	475	20.204	OK
FEH: 30 years: +40 %: 600 mins: Summer	57.357	57.357	2.057	2.057	0.9	6.321	0.000	5.311	0.0	0.000	525	22.354	OK
FEH: 30 years: +40 %: 600 mins: Winter	57.378	57.378	2.078	2.078	0.6	6.385	0.000	5.324	0.0	0.000	480	21.571	OK
FEH: 100 years: +40 %: 15 mins: Summer	56.534	56.534	1.234	1.234	8.5	3.790	0.000	0.101	0.0	0.000		53.443	OK
FEH: 100 years: +40 %: 15 mins: Winter	56.535	56.535	1.235	1.235	8.0	3.793	0.000	0.101	0.0	0.000		53.408	OK
FEH: 100 years: +40 %: 30 mins: Summer	56.887	56.887	1.587	1.587	5.8	4.877	0.000	0.240	0.0	0.000		40.096	OK
FEH: 100 years: +40 %: 30 mins: Winter	56.887	56.887	1.587	1.587	5.4	4.877	0.000	0.240	0.0	0.000		40.096	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.226	57.226	1.926	1.926	4.9	5.918	0.000	0.548	0.0	0.000		27.310	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.228	57.228	1.928	1.928	4.0	5.924	0.000	0.548	0.0	0.000		27.236	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.624	57.624	2.324	2.324	3.6	7.141	0.000	1.240	0.0	0.000		12.285	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.623	57.623	2.323	2.323	2.6	7.136	0.000	1.239	0.0	0.000		12.347	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.807	57.807	2.507	2.507	2.9	7.704	0.000	1.947	0.0	0.000		5.368	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.816	57.816	2.516	2.516	2.0	7.729	0.000	1.948	0.0	0.000		5.060	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.909	57.909	2.609	2.609	2.4	8.015	0.000	2.649	0.0	0.000		1.540	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.913	57.913	2.613	2.613	1.6	8.028	0.000	2.644	0.0	0.000		1.383	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.971	57.971	2.671	2.671	1.8	8.205	0.000	3.969	0.0	0.000		-0.790	Flood Risk
FEH: 100 years: +40 %: 360 mins: Winter	57.983	57.983	2.683	2.683	1.1	8.242	0.000	3.963	0.0	0.000		-1.248	Flood Risk
FEH: 100 years: +40 %: 480 mins: Summer	57.950	57.950	2.650	2.650	1.4	8.141	0.000	5.174	0.0	0.000		-0.003	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.970	57.970	2.670	2.670	0.9	8.204	0.000	5.163	0.0	0.000		-0.777	Flood Risk
FEH: 100 years: +40 %: 600 mins: Summer	57.906	57.906	2.606	2.606	1.2	8.007	0.000	6.254	0.0	0.000		1.647	OK
FEH: 100 years: +40 %: 600 mins: Winter	57.926	57.926	2.626	2.626	0.8	8.069	0.000	6.253	0.0	0.000		0.886	OK

Individual House Soakaways: Parcel Res8 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

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

Individual House Soakaways: Parcel Res8 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Soakaway

Type : Soakaway

Dimensions

Exceedance Level (m)	58.000
Depth (m)	2.100
Base Level (m)	55.900
Freeboard (mm)	100
Soakaway Shape	Square
Diameter / Width (m)	3.400
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.0641
Side Infiltration Rate (m/hr)	0.0641
Safety Factor	3.0
Total Volume (m³)	6.936

Inlets

Inlet

Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res8 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res8 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res8 Baldock	Date: 01/04/2026					
	Designed by: MJD	Checked by:	Approved By:			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase			AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.249	56.249	0.349	0.349	2.9	1.212	0.000	0.156	0.0	0.000		82.532	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.248	56.248	0.348	0.348	2.7	1.208	0.000	0.156	0.0	0.000		82.577	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.325	56.325	0.425	0.425	1.9	1.474	0.000	0.329	0.0	0.000		78.746	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.326	56.326	0.426	0.426	1.8	1.480	0.000	0.330	0.0	0.000		78.662	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.385	56.385	0.485	0.485	1.6	1.683	0.000	0.683	0.0	0.000		75.734	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.387	56.387	0.487	0.487	1.3	1.690	0.000	0.683	0.0	0.000		75.641	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.541	56.541	0.641	0.641	1.4	2.222	0.000	1.474	0.0	0.000		67.959	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.547	56.547	0.647	0.647	1.0	2.244	0.000	1.472	0.0	0.000		67.653	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.591	56.591	0.691	0.691	1.1	2.396	0.000	2.229	0.0	0.000		65.462	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.595	56.595	0.695	0.695	0.8	2.412	0.000	2.221	0.0	0.000		65.227	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.607	56.607	0.707	0.707	1.0	2.452	0.000	2.924	0.0	0.000		64.652	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.612	56.612	0.712	0.712	0.7	2.470	0.000	2.917	0.0	0.000		64.396	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.590	56.590	0.690	0.690	0.8	2.394	0.000	4.091	0.0	0.000		65.479	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.595	56.595	0.695	0.695	0.5	2.410	0.000	4.092	0.0	0.000		65.251	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.566	56.566	0.666	0.666	0.6	2.310	0.000	4.561	0.0	0.000		66.694	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.551	56.551	0.651	0.651	0.4	2.256	0.000	4.537	0.0	0.000		67.470	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.531	56.531	0.631	0.631	0.5	2.187	0.000	4.747	0.0	0.000		68.469	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.509	56.509	0.609	0.609	0.3	2.111	0.000	4.759	0.0	0.000		69.567	OK
FEH: 30 years: +40 %: 15 mins: Summer	56.743	56.743	0.843	0.843	6.8	2.924	0.000	0.204	0.0	0.000		57.838	OK
FEH: 30 years: +40 %: 15 mins: Winter	56.743	56.743	0.843	0.843	6.3	2.924	0.000	0.204	0.0	0.000		57.841	OK
FEH: 30 years: +40 %: 30 mins: Summer	56.961	56.961	1.061	1.061	4.5	3.681	0.000	0.461	0.0	0.000	20	46.923	OK
FEH: 30 years: +40 %: 30 mins: Winter	56.961	56.961	1.061	1.061	4.2	3.681	0.000	0.461	0.0	0.000	20	46.922	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.150	57.150	1.250	1.250	3.8	4.338	0.000	1.004	0.0	0.000		37.463	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.150	57.150	1.250	1.250	3.1	4.338	0.000	1.004	0.0	0.000		37.455	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.385	57.385	1.485	1.485	2.9	5.148	0.000	2.177	0.0	0.000		25.784	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.385	57.385	1.485	1.485	2.1	5.153	0.000	2.170	0.0	0.000		25.711	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.448	57.448	1.548	1.548	2.3	5.370	0.000	3.287	0.0	0.000		22.573	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.462	57.462	1.562	1.562	1.6	5.417	0.000	3.283	0.0	0.000		21.904	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.458	57.458	1.558	1.558	1.9	5.405	0.000	4.315	0.0	0.000	215	22.075	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.470	57.470	1.570	1.570	1.3	5.447	0.000	4.304	0.0	0.000	195	21.466	OK

Individual House Soakaways: Parcel Res8 Baldock	Date: 01/04/2026					
	Designed by: MJD	Checked by:	Approved By:			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase			AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 360 mins: Summer	57.419	57.419	1.519	1.519	1.4	5.269	0.000	6.044	0.0	0.000	240	24.030	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.427	57.427	1.527	1.527	0.9	5.297	0.000	6.042	0.0	0.000	235	23.624	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.365	57.365	1.465	1.465	1.1	5.081	0.000	7.439	0.0	0.000	255	26.749	OK
FEH: 30 years: +40 %: 480 mins: Winter	57.359	57.359	1.459	1.459	0.7	5.059	0.000	7.430	0.0	0.000	235	27.067	OK
FEH: 30 years: +40 %: 600 mins: Summer	57.302	57.302	1.402	1.402	0.9	4.861	0.000	8.545	0.0	0.000	255	29.910	OK
FEH: 30 years: +40 %: 600 mins: Winter	57.288	57.288	1.388	1.388	0.6	4.815	0.000	8.561	0.0	0.000	230	30.579	OK
FEH: 100 years: +40 %: 15 mins: Summer	56.972	56.972	1.072	1.072	8.5	3.717	0.000	0.226	0.0	0.000		46.405	OK
FEH: 100 years: +40 %: 15 mins: Winter	56.973	56.973	1.073	1.073	8.0	3.720	0.000	0.226	0.0	0.000		46.366	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.265	57.265	1.365	1.365	5.8	4.736	0.000	0.523	0.0	0.000		31.722	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.265	57.265	1.365	1.365	5.4	4.736	0.000	0.523	0.0	0.000		31.722	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.524	57.524	1.624	1.624	4.9	5.634	0.000	1.160	0.0	0.000		18.772	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.525	57.525	1.625	1.625	4.0	5.640	0.000	1.161	0.0	0.000		18.683	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.792	57.792	1.892	1.892	3.6	6.559	0.000	2.515	0.0	0.000		5.432	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.799	57.799	1.899	1.899	2.6	6.586	0.000	2.512	0.0	0.000		5.049	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.874	57.874	1.974	1.974	2.9	6.845	0.000	3.808	0.0	0.000		1.313	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.889	57.889	1.989	1.989	2.0	6.900	0.000	3.806	0.0	0.000		0.521	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.887	57.887	1.987	1.987	2.4	6.893	0.000	5.009	0.0	0.000		0.619	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.903	57.903	2.003	2.003	1.6	6.948	0.000	4.996	0.0	0.000		-0.179	Flood Risk
FEH: 100 years: +40 %: 360 mins: Summer	57.854	57.854	1.954	1.954	1.7	6.778	0.000	7.060	0.0	0.000	360	2.274	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.856	57.856	1.956	1.956	1.1	6.785	0.000	7.047	0.0	0.000	355	2.178	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.797	57.797	1.897	1.897	1.4	6.578	0.000	8.710	0.0	0.000	375	5.157	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.788	57.788	1.888	1.888	0.9	6.550	0.000	8.690	0.0	0.000	355	5.569	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.725	57.725	1.825	1.825	1.2	6.330	0.000	10.017	0.0	0.000	380	8.739	OK
FEH: 100 years: +40 %: 600 mins: Winter	57.709	57.709	1.809	1.809	0.8	6.273	0.000	10.012	0.0	0.000	355	9.559	OK

Individual House Soakaways: Parcel Res9 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Individual House Soakaways: Parcel Res9 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Soakaway

Type : Soakaway

Dimensions	
Exceedance Level (m)	58.000
Depth (m)	2.200
Base Level (m)	55.800
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	3.400
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.0529
Side Infiltration Rate (m/hr)	0.0529
Safety Factor	3.0
Total Volume (m³)	7.456

Inlets	
Inlet	
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res9 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res9 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res9 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

SUM

Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.154	56.154	0.354	0.354	2.9	1.228	0.000	0.129	0.0	0.000		83.530	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.153	56.153	0.353	0.353	2.7	1.225	0.000	0.129	0.0	0.000		83.572	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.233	56.233	0.433	0.433	1.9	1.504	0.000	0.274	0.0	0.000		79.829	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.235	56.235	0.435	0.435	1.8	1.510	0.000	0.274	0.0	0.000		79.750	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.301	56.301	0.501	0.501	1.6	1.740	0.000	0.572	0.0	0.000		76.666	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.302	56.302	0.502	0.502	1.3	1.741	0.000	0.571	0.0	0.000		76.655	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.473	56.473	0.673	0.673	1.4	2.332	0.000	1.248	0.0	0.000		68.722	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.478	56.478	0.678	0.678	1.0	2.351	0.000	1.246	0.0	0.000		68.466	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.534	56.534	0.734	0.734	1.1	2.547	0.000	1.908	0.0	0.000		65.834	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.540	56.540	0.740	0.740	0.8	2.568	0.000	1.901	0.0	0.000		65.565	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.556	56.556	0.756	0.756	1.0	2.623	0.000	2.528	0.0	0.000		64.818	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.565	56.565	0.765	0.765	0.7	2.655	0.000	2.523	0.0	0.000		64.397	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.550	56.550	0.750	0.750	0.8	2.601	0.000	3.608	0.0	0.000		65.120	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.558	56.558	0.758	0.758	0.5	2.628	0.000	3.608	0.0	0.000		64.751	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.529	56.529	0.729	0.729	0.6	2.528	0.000	4.521	0.0	0.000		66.090	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.523	56.523	0.723	0.723	0.4	2.509	0.000	4.497	0.0	0.000		66.346	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.495	56.495	0.695	0.695	0.5	2.410	0.000	4.746	0.0	0.000		67.679	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.484	56.484	0.684	0.684	0.3	2.371	0.000	4.758	0.0	0.000		68.200	OK
FEH: 30 years: +40 %: 15 mins: Summer	56.649	56.649	0.849	0.849	6.8	2.945	0.000	0.169	0.0	0.000		60.503	OK
FEH: 30 years: +40 %: 15 mins: Winter	56.649	56.649	0.849	0.849	6.3	2.945	0.000	0.169	0.0	0.000		60.506	OK
FEH: 30 years: +40 %: 30 mins: Summer	56.872	56.872	1.072	1.072	4.5	3.721	0.000	0.383	0.0	0.000		50.098	OK
FEH: 30 years: +40 %: 30 mins: Winter	56.872	56.872	1.072	1.072	4.2	3.721	0.000	0.383	0.0	0.000		50.097	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.073	57.073	1.273	1.273	3.8	4.416	0.000	0.839	0.0	0.000		40.778	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.073	57.073	1.273	1.273	3.1	4.416	0.000	0.839	0.0	0.000		40.773	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.328	57.328	1.528	1.528	2.9	5.301	0.000	1.840	0.0	0.000		28.899	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.329	57.329	1.529	1.529	2.1	5.303	0.000	1.834	0.0	0.000		28.877	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.415	57.415	1.615	1.615	2.3	5.600	0.000	2.808	0.0	0.000		24.894	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.425	57.425	1.625	1.625	1.6	5.636	0.000	2.805	0.0	0.000		24.412	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.440	57.440	1.640	1.640	1.9	5.687	0.000	3.724	0.0	0.000	225	23.726	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.452	57.452	1.652	1.652	1.3	5.731	0.000	3.714	0.0	0.000	235	23.142	OK

Individual House Soakaways: Parcel Res9 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 360 mins: Summer	57.409	57.409	1.609	1.609	1.4	5.580	0.000	5.315	0.0	0.000	265	25.158	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.420	57.420	1.620	1.620	0.9	5.617	0.000	5.314	0.0	0.000	265	24.661	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.365	57.365	1.565	1.565	1.1	5.427	0.000	6.653	0.0	0.000	290	27.216	OK
FEH: 30 years: +40 %: 480 mins: Winter	57.365	57.365	1.565	1.565	0.7	5.427	0.000	6.645	0.0	0.000	275	27.208	OK
FEH: 30 years: +40 %: 600 mins: Summer	57.311	57.311	1.511	1.511	0.9	5.241	0.000	7.757	0.0	0.000	300	29.705	OK
FEH: 30 years: +40 %: 600 mins: Winter	57.309	57.309	1.509	1.509	0.6	5.232	0.000	7.771	0.0	0.000	275	29.829	OK
FEH: 100 years: +40 %: 15 mins: Summer	56.878	56.878	1.078	1.078	8.5	3.740	0.000	0.187	0.0	0.000	0	49.843	OK
FEH: 100 years: +40 %: 15 mins: Winter	56.879	56.879	1.079	1.079	8.0	3.743	0.000	0.187	0.0	0.000	0	49.806	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.178	57.178	1.378	1.378	5.8	4.780	0.000	0.434	0.0	0.000		35.898	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.178	57.178	1.378	1.378	5.4	4.780	0.000	0.434	0.0	0.000		35.898	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.449	57.449	1.649	1.649	4.9	5.722	0.000	0.969	0.0	0.000		23.254	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.451	57.451	1.651	1.651	4.0	5.728	0.000	0.970	0.0	0.000		23.172	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.742	57.742	1.942	1.942	3.6	6.737	0.000	2.125	0.0	0.000		9.644	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.748	57.748	1.948	1.948	2.6	6.756	0.000	2.123	0.0	0.000		9.385	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.849	57.849	2.049	2.049	2.9	7.106	0.000	3.252	0.0	0.000		4.695	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.862	57.862	2.062	2.062	2.0	7.149	0.000	3.251	0.0	0.000		4.115	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.884	57.884	2.084	2.084	2.4	7.228	0.000	4.320	0.0	0.000		3.055	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.897	57.897	2.097	2.097	1.6	7.272	0.000	4.309	0.0	0.000		2.477	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.860	57.860	2.060	2.060	1.7	7.144	0.000	6.204	0.0	0.000	405	4.182	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.867	57.867	2.067	2.067	1.1	7.168	0.000	6.193	0.0	0.000	380	3.862	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.812	57.812	2.012	2.012	1.4	6.977	0.000	7.783	0.0	0.000	435	6.430	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.811	57.811	2.011	2.011	0.9	6.974	0.000	7.765	0.0	0.000	420	6.466	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.751	57.751	1.951	1.951	1.2	6.767	0.000	9.085	0.0	0.000	445	9.247	OK
FEH: 100 years: +40 %: 600 mins: Winter	57.747	57.747	1.947	1.947	0.8	6.751	0.000	9.081	0.0	0.000	425	9.456	OK

Individual House Soakaways: Parcel Res12 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Individual House Soakaways: Parcel Res12 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Soakaway

Type : Soakaway

Dimensions	
Exceedance Level (m)	58.000
Depth (m)	2.200
Base Level (m)	55.800
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	3.400
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.0526
Side Infiltration Rate (m/hr)	0.0526
Safety Factor	3.0
Total Volume (m³)	7.456

Inlets

Inlet	
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res12 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res12 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res12 Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details:	AKT II:			
Type: Stormwater Controls Summary	White Collar Factory			
Storm Phase: Phase	1 Old Street Yard London EC1Y 8AF			



Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.154	56.154	0.354	0.354	2.9	1.228	0.000	0.128	0.0	0.000		83.524	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.153	56.153	0.353	0.353	2.7	1.225	0.000	0.128	0.0	0.000		83.566	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.234	56.234	0.434	0.434	1.9	1.505	0.000	0.273	0.0	0.000		79.818	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.235	56.235	0.435	0.435	1.8	1.511	0.000	0.273	0.0	0.000		79.740	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.302	56.302	0.502	0.502	1.6	1.741	0.000	0.569	0.0	0.000		76.645	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.303	56.303	0.503	0.503	1.3	1.742	0.000	0.568	0.0	0.000		76.636	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.473	56.473	0.673	0.673	1.4	2.335	0.000	1.241	0.0	0.000		68.682	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.479	56.479	0.679	0.679	1.0	2.354	0.000	1.240	0.0	0.000		68.426	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.536	56.536	0.736	0.736	1.1	2.552	0.000	1.899	0.0	0.000		65.773	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.542	56.542	0.742	0.742	0.8	2.572	0.000	1.892	0.0	0.000		65.507	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.558	56.558	0.758	0.758	1.0	2.628	0.000	2.517	0.0	0.000		64.753	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.567	56.567	0.767	0.767	0.7	2.660	0.000	2.512	0.0	0.000		64.324	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.552	56.552	0.752	0.752	0.8	2.607	0.000	3.594	0.0	0.000		65.040	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.560	56.560	0.760	0.760	0.5	2.634	0.000	3.594	0.0	0.000		64.669	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.531	56.531	0.731	0.731	0.6	2.535	0.000	4.506	0.0	0.000		66.000	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.526	56.526	0.726	0.726	0.4	2.517	0.000	4.482	0.0	0.000		66.249	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.497	56.497	0.697	0.697	0.5	2.417	0.000	4.746	0.0	0.000		67.589	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.486	56.486	0.686	0.686	0.3	2.379	0.000	4.758	0.0	0.000		68.092	OK
FEH: 30 years: +40 %: 15 mins: Summer	56.649	56.649	0.849	0.849	6.8	2.946	0.000	0.168	0.0	0.000		60.496	OK
FEH: 30 years: +40 %: 15 mins: Winter	56.649	56.649	0.849	0.849	6.3	2.945	0.000	0.168	0.0	0.000		60.499	OK
FEH: 30 years: +40 %: 30 mins: Summer	56.873	56.873	1.073	1.073	4.5	3.722	0.000	0.381	0.0	0.000		50.083	OK
FEH: 30 years: +40 %: 30 mins: Winter	56.873	56.873	1.073	1.073	4.2	3.722	0.000	0.381	0.0	0.000		50.083	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.073	57.073	1.273	1.273	3.8	4.418	0.000	0.835	0.0	0.000		40.750	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.073	57.073	1.273	1.273	3.1	4.418	0.000	0.834	0.0	0.000		40.745	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.330	57.330	1.530	1.530	2.9	5.306	0.000	1.830	0.0	0.000		28.841	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.330	57.330	1.530	1.530	2.1	5.307	0.000	1.825	0.0	0.000		28.822	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.417	57.417	1.617	1.617	2.3	5.606	0.000	2.795	0.0	0.000		24.810	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.427	57.427	1.627	1.627	1.6	5.642	0.000	2.792	0.0	0.000		24.332	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.442	57.442	1.642	1.642	1.9	5.695	0.000	3.707	0.0	0.000	225	23.615	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.455	57.455	1.655	1.655	1.3	5.738	0.000	3.698	0.0	0.000	235	23.038	OK

Individual House Soakaways: Parcel Res12 Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details:	AKT II:			
Type: Stormwater Controls Summary	White Collar Factory			
Storm Phase: Phase	1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 360 mins: Summer	57.412	57.412	1.612	1.612	1.4	5.589	0.000	5.294	0.0	0.000	270	25.037	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.422	57.422	1.622	1.622	0.9	5.627	0.000	5.293	0.0	0.000	260	24.535	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.368	57.368	1.568	1.568	1.1	5.437	0.000	6.630	0.0	0.000	290	27.084	OK
FEH: 30 years: +40 %: 480 mins: Winter	57.368	57.368	1.568	1.568	0.7	5.438	0.000	6.622	0.0	0.000	280	27.070	OK
FEH: 30 years: +40 %: 600 mins: Summer	57.314	57.314	1.514	1.514	0.9	5.252	0.000	7.733	0.0	0.000	300	29.561	OK
FEH: 30 years: +40 %: 600 mins: Winter	57.312	57.312	1.512	1.512	0.6	5.244	0.000	7.748	0.0	0.000	275	29.670	OK
FEH: 100 years: +40 %: 15 mins: Summer	56.879	56.879	1.079	1.079	8.5	3.740	0.000	0.186	0.0	0.000	0	49.834	OK
FEH: 100 years: +40 %: 15 mins: Winter	56.879	56.879	1.079	1.079	8.0	3.743	0.000	0.186	0.0	0.000	0	49.798	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.178	57.178	1.378	1.378	5.8	4.781	0.000	0.432	0.0	0.000		35.882	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.178	57.178	1.378	1.378	5.4	4.781	0.000	0.432	0.0	0.000		35.882	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.450	57.450	1.650	1.650	4.9	5.725	0.000	0.964	0.0	0.000		23.222	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.452	57.452	1.652	1.652	4.0	5.731	0.000	0.964	0.0	0.000		23.140	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.743	57.743	1.943	1.943	3.6	6.742	0.000	2.114	0.0	0.000		9.578	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.749	57.749	1.949	1.949	2.6	6.761	0.000	2.112	0.0	0.000		9.323	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.851	57.851	2.051	2.051	2.9	7.113	0.000	3.236	0.0	0.000		4.600	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.863	57.863	2.063	2.063	2.0	7.156	0.000	3.235	0.0	0.000		4.024	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.887	57.887	2.087	2.087	2.4	7.238	0.000	4.301	0.0	0.000		2.928	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.899	57.899	2.099	2.099	1.6	7.280	0.000	4.290	0.0	0.000		2.357	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.863	57.863	2.063	2.063	1.7	7.155	0.000	6.180	0.0	0.000	410	4.038	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.870	57.870	2.070	2.070	1.1	7.181	0.000	6.169	0.0	0.000	380	3.697	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.815	57.815	2.015	2.015	1.4	6.988	0.000	7.756	0.0	0.000	440	6.276	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.814	57.814	2.014	2.014	0.9	6.986	0.000	7.738	0.0	0.000	425	6.304	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.755	57.755	1.955	1.955	1.2	6.779	0.000	9.057	0.0	0.000	450	9.080	OK
FEH: 100 years: +40 %: 600 mins: Winter	57.750	57.750	1.950	1.950	0.8	6.765	0.000	9.053	0.0	0.000	425	9.274	OK

Individual House Soakaways: Parcel Res13 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

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

Individual House Soakaways: Parcel Res13 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Soakaway

Type : Soakaway

Dimensions

Exceedance Level (m)	58.000
Depth (m)	2.200
Base Level (m)	55.800
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	3.400
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.05
Side Infiltration Rate (m/hr)	0.05
Safety Factor	3.0
Total Volume (m³)	7.456

Inlets

Inlet

Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res13 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res13 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res13 Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.155	56.155	0.355	0.355	2.9	1.232	0.000	0.122	0.0	0.000		83.473	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.154	56.154	0.354	0.354	2.7	1.229	0.000	0.122	0.0	0.000		83.515	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.236	56.236	0.436	0.436	1.9	1.512	0.000	0.260	0.0	0.000		79.725	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.237	56.237	0.437	0.437	1.8	1.518	0.000	0.260	0.0	0.000		79.646	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.306	56.306	0.506	0.506	1.6	1.755	0.000	0.542	0.0	0.000		76.467	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.306	56.306	0.506	0.506	1.3	1.755	0.000	0.542	0.0	0.000		76.458	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.481	56.481	0.681	0.681	1.4	2.361	0.000	1.187	0.0	0.000		68.335	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.486	56.486	0.686	0.686	1.0	2.380	0.000	1.186	0.0	0.000		68.082	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.547	56.547	0.747	0.747	1.1	2.591	0.000	1.820	0.0	0.000		65.246	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.552	56.552	0.752	0.752	0.8	2.609	0.000	1.814	0.0	0.000		65.004	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.570	56.570	0.770	0.770	1.0	2.672	0.000	2.419	0.0	0.000		64.165	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.581	56.581	0.781	0.781	0.7	2.707	0.000	2.414	0.0	0.000		63.688	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.567	56.567	0.767	0.767	0.8	2.660	0.000	3.470	0.0	0.000		64.329	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.575	56.575	0.775	0.775	0.5	2.689	0.000	3.470	0.0	0.000		63.941	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.548	56.548	0.748	0.748	0.6	2.594	0.000	4.370	0.0	0.000		65.215	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.544	56.544	0.744	0.744	0.4	2.580	0.000	4.346	0.0	0.000		65.398	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.514	56.514	0.714	0.714	0.5	2.476	0.000	4.746	0.0	0.000		66.797	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.506	56.506	0.706	0.706	0.3	2.450	0.000	4.758	0.0	0.000		67.137	OK
FEH: 30 years: +40 %: 15 mins: Summer	56.651	56.651	0.851	0.851	6.8	2.950	0.000	0.160	0.0	0.000		60.431	OK
FEH: 30 years: +40 %: 15 mins: Winter	56.651	56.651	0.851	0.851	6.3	2.950	0.000	0.160	0.0	0.000		60.434	OK
FEH: 30 years: +40 %: 30 mins: Summer	56.875	56.875	1.075	1.075	4.5	3.731	0.000	0.362	0.0	0.000	0	49.960	OK
FEH: 30 years: +40 %: 30 mins: Winter	56.875	56.875	1.075	1.075	4.2	3.731	0.000	0.362	0.0	0.000	0	49.960	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.079	57.079	1.279	1.279	3.8	4.436	0.000	0.796	0.0	0.000		40.504	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.079	57.079	1.279	1.279	3.1	4.436	0.000	0.796	0.0	0.000		40.500	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.340	57.340	1.540	1.540	2.9	5.344	0.000	1.750	0.0	0.000		28.335	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.340	57.340	1.540	1.540	2.1	5.343	0.000	1.744	0.0	0.000		28.347	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.432	57.432	1.632	1.632	2.3	5.661	0.000	2.678	0.0	0.000		24.080	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.442	57.442	1.642	1.642	1.6	5.694	0.000	2.675	0.0	0.000		23.635	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.463	57.463	1.663	1.663	1.9	5.768	0.000	3.561	0.0	0.000		22.645	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.474	57.474	1.674	1.674	1.3	5.806	0.000	3.552	0.0	0.000		22.128	OK

Individual House Soakaways: Parcel Res13 Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 360 mins: Summer	57.435	57.435	1.635	1.635	1.4	5.669	0.000	5.109	0.0	0.000	285	23.967	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.447	57.447	1.647	1.647	0.9	5.713	0.000	5.108	0.0	0.000	260	23.381	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.393	57.393	1.593	1.593	1.1	5.525	0.000	6.424	0.0	0.000	305	25.898	OK
FEH: 30 years: +40 %: 480 mins: Winter	57.394	57.394	1.594	1.594	0.7	5.529	0.000	6.416	0.0	0.000	295	25.850	OK
FEH: 30 years: +40 %: 600 mins: Summer	57.342	57.342	1.542	1.542	0.9	5.348	0.000	7.521	0.0	0.000	320	28.280	OK
FEH: 30 years: +40 %: 600 mins: Winter	57.342	57.342	1.542	1.542	0.6	5.349	0.000	7.535	0.0	0.000	295	28.266	OK
FEH: 100 years: +40 %: 15 mins: Summer	56.880	56.880	1.080	1.080	8.5	3.746	0.000	0.177	0.0	0.000	0	49.764	OK
FEH: 100 years: +40 %: 15 mins: Winter	56.881	56.881	1.081	1.081	8.0	3.748	0.000	0.177	0.0	0.000	0	49.727	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.181	57.181	1.381	1.381	5.8	4.791	0.000	0.411	0.0	0.000		35.745	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.181	57.181	1.381	1.381	5.4	4.791	0.000	0.411	0.0	0.000		35.745	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.456	57.456	1.656	1.656	4.9	5.745	0.000	0.919	0.0	0.000		22.944	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.458	57.458	1.658	1.658	4.0	5.752	0.000	0.919	0.0	0.000		22.863	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.756	57.756	1.956	1.956	3.6	6.785	0.000	2.021	0.0	0.000		9.004	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.761	57.761	1.961	1.961	2.6	6.801	0.000	2.019	0.0	0.000		8.784	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.869	57.869	2.069	2.069	2.9	7.175	0.000	3.101	0.0	0.000		3.770	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.881	57.881	2.081	2.081	2.0	7.215	0.000	3.100	0.0	0.000		3.232	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.911	57.911	2.111	2.111	2.4	7.320	0.000	4.131	0.0	0.000		1.823	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.922	57.922	2.122	2.122	1.6	7.360	0.000	4.121	0.0	0.000		1.292	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.890	57.890	2.090	2.090	1.7	7.249	0.000	5.962	0.0	0.000		2.773	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.901	57.901	2.101	2.101	1.1	7.288	0.000	5.952	0.0	0.000		2.260	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.844	57.844	2.044	2.044	1.4	7.091	0.000	7.513	0.0	0.000	460	4.897	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.845	57.845	2.045	2.045	0.9	7.092	0.000	7.496	0.0	0.000	450	4.882	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.786	57.786	1.986	1.986	1.2	6.890	0.000	8.807	0.0	0.000	475	7.596	OK
FEH: 100 years: +40 %: 600 mins: Winter	57.785	57.785	1.985	1.985	0.8	6.884	0.000	8.803	0.0	0.000	455	7.673	OK

Individual House Soakaways: Parcel Res14 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing

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

Individual House Soakaways: Parcel Res14 Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF		



Soakaway

Type : Soakaway

Dimensions

Exceedance Level (m)	58.000
Depth (m)	2.000
Base Level (m)	56.000
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	2.700
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.3593
Side Infiltration Rate (m/hr)	0.3593
Safety Factor	3.0
Total Volume (m³)	4.265

Inlets

Inlet

Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res14 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res14 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res14 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase			
AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF				



Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.433	56.433	0.433	0.433	2.9	0.947	0.000	0.599	0.0	0.000		77.800	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.427	56.427	0.427	0.427	2.7	0.934	0.000	0.600	0.0	0.000		78.096	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.482	56.482	0.482	0.482	1.9	1.056	0.000	1.205	0.0	0.000		75.249	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.485	56.485	0.485	0.485	1.8	1.061	0.000	1.207	0.0	0.000		75.125	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.472	56.472	0.472	0.472	1.6	1.034	0.000	2.023	0.0	0.000		75.760	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.462	56.462	0.462	0.462	1.3	1.009	0.000	2.023	0.0	0.000		76.337	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.551	56.551	0.551	0.551	1.4	1.205	0.000	2.917	0.0	0.000		71.753	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.516	56.516	0.516	0.516	1.0	1.129	0.000	2.923	0.0	0.000		73.527	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.538	56.538	0.538	0.538	1.1	1.177	0.000	3.439	0.0	0.000		72.405	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.473	56.473	0.473	0.473	0.8	1.035	0.000	3.433	0.0	0.000		75.741	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.503	56.503	0.503	0.503	1.0	1.099	0.000	3.799	0.0	0.000		74.228	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.419	56.419	0.419	0.419	0.7	0.915	0.000	3.805	0.0	0.000		78.535	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.411	56.411	0.411	0.411	0.8	0.899	0.000	4.237	0.0	0.000		78.920	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.299	56.299	0.299	0.299	0.5	0.653	0.000	4.261	0.0	0.000		84.691	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.329	56.329	0.329	0.329	0.6	0.721	0.000	4.561	0.0	0.000		83.102	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.194	56.194	0.194	0.194	0.4	0.425	0.000	4.537	0.0	0.000		90.030	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.256	56.256	0.256	0.256	0.5	0.559	0.000	4.747	0.0	0.000		86.884	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.115	56.115	0.115	0.115	0.3	0.251	0.000	4.759	0.0	0.000		94.121	OK
FEH: 30 years: +40 %: 15 mins: Summer	57.148	57.148	1.148	1.148	6.8	2.510	0.000	0.914	0.0	0.000		41.138	OK
FEH: 30 years: +40 %: 15 mins: Winter	57.147	57.147	1.147	1.147	6.3	2.510	0.000	0.914	0.0	0.000		41.150	OK
FEH: 30 years: +40 %: 30 mins: Summer	57.360	57.360	1.360	1.360	4.5	2.972	0.000	1.983	0.0	0.000	20	30.304	OK
FEH: 30 years: +40 %: 30 mins: Winter	57.360	57.360	1.360	1.360	4.2	2.974	0.000	1.983	0.0	0.000	20	30.262	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.416	57.416	1.416	1.416	3.8	3.098	0.000	3.776	0.0	0.000	30	27.357	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.417	57.417	1.417	1.417	3.1	3.100	0.000	3.774	0.0	0.000	30	27.299	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.466	57.466	1.466	1.466	2.9	3.205	0.000	6.115	0.0	0.000	50	24.848	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.422	57.422	1.422	1.422	2.1	3.112	0.000	6.091	0.0	0.000	40	27.032	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.388	57.388	1.388	1.388	2.3	3.035	0.000	6.835	0.0	0.000	45	28.826	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.315	57.315	1.315	1.315	1.6	2.876	0.000	6.835	0.0	0.000	40	32.566	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.298	57.298	1.298	1.298	1.9	2.840	0.000	7.345	0.0	0.000	40	33.405	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.183	57.183	1.183	1.183	1.3	2.588	0.000	7.333	0.0	0.000	30	39.316	OK

Individual House Soakaways: Parcel Res14 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase			
AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF				

FEH: 30 years: +40 %: 360 mins: Summer	57.112	57.112	1.112	1.112	1.4	2.432	0.000	7.945	0.0	0.000	25	42.983	OK
FEH: 30 years: +40 %: 360 mins: Winter	56.954	56.954	0.954	0.954	0.9	2.087	0.000	7.957	0.0	0.000		51.073	OK
FEH: 30 years: +40 %: 480 mins: Summer	56.952	56.952	0.952	0.952	1.1	2.082	0.000	8.359	0.0	0.000		51.181	OK
FEH: 30 years: +40 %: 480 mins: Winter	56.759	56.759	0.759	0.759	0.7	1.659	0.000	8.359	0.0	0.000		61.092	OK
FEH: 30 years: +40 %: 600 mins: Summer	56.818	56.818	0.818	0.818	0.9	1.790	0.000	8.653	0.0	0.000		58.034	OK
FEH: 30 years: +40 %: 600 mins: Winter	56.607	56.607	0.607	0.607	0.6	1.329	0.000	8.689	0.0	0.000		68.844	OK
FEH: 100 years: +40 %: 15 mins: Summer	57.481	57.481	1.481	1.481	8.5	3.240	0.000	1.057	0.0	0.000		24.028	OK
FEH: 100 years: +40 %: 15 mins: Winter	57.482	57.482	1.482	1.482	8.0	3.242	0.000	1.058	0.0	0.000		23.973	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.780	57.780	1.780	1.780	5.8	3.894	0.000	2.352	0.0	0.000		8.697	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.782	57.782	1.782	1.782	5.4	3.897	0.000	2.352	0.0	0.000		8.611	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.888	57.888	1.888	1.888	4.9	4.131	0.000	4.556	0.0	0.000	50	3.143	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.889	57.889	1.889	1.889	4.0	4.131	0.000	4.558	0.0	0.000	50	3.127	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.927	57.927	1.927	1.927	3.6	4.215	0.000	7.624	0.0	0.000	70	1.176	OK
FEH: 100 years: +40 %: 120 mins: Winter	57.882	57.882	1.882	1.882	2.6	4.118	0.000	7.616	0.0	0.000	60	3.429	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.833	57.833	1.833	1.833	2.9	4.008	0.000	8.509	0.0	0.000	75	6.011	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.746	57.746	1.746	1.746	2.0	3.820	0.000	8.515	0.0	0.000	65	10.431	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.716	57.716	1.716	1.716	2.4	3.752	0.000	9.115	0.0	0.000	70	12.011	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.585	57.585	1.585	1.585	1.6	3.466	0.000	9.097	0.0	0.000	65	18.719	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.488	57.488	1.488	1.488	1.8	3.255	0.000	9.877	0.0	0.000	60	23.677	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.302	57.302	1.302	1.302	1.1	2.848	0.000	9.865	0.0	0.000	50	33.227	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.298	57.298	1.298	1.298	1.4	2.838	0.000	10.375	0.0	0.000	50	33.462	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.073	57.073	1.073	1.073	0.9	2.347	0.000	10.357	0.0	0.000	30	44.960	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.133	57.133	1.133	1.133	1.2	2.477	0.000	10.723	0.0	0.000	35	41.909	OK
FEH: 100 years: +40 %: 600 mins: Winter	56.889	56.889	0.889	0.889	0.8	1.944	0.000	10.729	0.0	0.000		54.419	OK

Individual House Soakaways: Parcel Res15 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Individual House Soakaways: Parcel Res15 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Soakaway

Type : Soakaway

Dimensions	
Exceedance Level (m)	58.000
Depth (m)	2.000
Base Level (m)	56.000
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	2.600
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.4032
Side Infiltration Rate (m/hr)	0.4032
Safety Factor	3.0
Total Volume (m³)	3.955

Inlets	
Inlet	
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res15 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res15 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res15 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			



Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.460	56.460	0.460	0.460	2.9	0.932	0.000	0.639	0.0	0.000		76.433	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.450	56.450	0.450	0.450	2.7	0.913	0.000	0.640	0.0	0.000		76.918	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.506	56.506	0.506	0.506	1.9	1.025	0.000	1.274	0.0	0.000		74.078	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.506	56.506	0.506	0.506	1.8	1.027	0.000	1.277	0.0	0.000		74.020	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.492	56.492	0.492	0.492	1.6	0.998	0.000	2.023	0.0	0.000		74.756	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.480	56.480	0.480	0.480	1.3	0.972	0.000	2.023	0.0	0.000		75.430	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.568	56.568	0.568	0.568	1.4	1.152	0.000	2.917	0.0	0.000		70.873	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.526	56.526	0.526	0.526	1.0	1.067	0.000	2.923	0.0	0.000		73.025	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.548	56.548	0.548	0.548	1.1	1.113	0.000	3.439	0.0	0.000		71.868	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.475	56.475	0.475	0.475	0.8	0.964	0.000	3.433	0.0	0.000		75.632	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.510	56.510	0.510	0.510	1.0	1.035	0.000	3.799	0.0	0.000		73.830	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.414	56.414	0.414	0.414	0.7	0.840	0.000	3.805	0.0	0.000		78.764	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.410	56.410	0.410	0.410	0.8	0.832	0.000	4.237	0.0	0.000		78.968	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.287	56.287	0.287	0.287	0.5	0.582	0.000	4.261	0.0	0.000		85.278	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.323	56.323	0.323	0.323	0.6	0.655	0.000	4.561	0.0	0.000		83.439	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.180	56.180	0.180	0.180	0.4	0.365	0.000	4.537	0.0	0.000		90.764	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.247	56.247	0.247	0.247	0.5	0.500	0.000	4.747	0.0	0.000		87.354	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.099	56.099	0.099	0.099	0.3	0.202	0.000	4.759	0.0	0.000		94.904	OK
FEH: 30 years: +40 %: 15 mins: Summer	57.213	57.213	1.213	1.213	6.8	2.461	0.000	0.999	0.0	0.000		37.769	OK
FEH: 30 years: +40 %: 15 mins: Winter	57.213	57.213	1.213	1.213	6.3	2.460	0.000	1.000	0.0	0.000		37.783	OK
FEH: 30 years: +40 %: 30 mins: Summer	57.430	57.430	1.430	1.430	4.5	2.901	0.000	2.152	0.0	0.000	20	26.654	OK
FEH: 30 years: +40 %: 30 mins: Winter	57.431	57.431	1.431	1.431	4.2	2.902	0.000	2.151	0.0	0.000	20	26.607	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.483	57.483	1.483	1.483	3.8	3.006	0.000	4.005	0.0	0.000	35	23.977	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.475	57.475	1.475	1.475	3.1	2.993	0.000	4.003	0.0	0.000	30	24.323	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.518	57.518	1.518	1.518	2.9	3.078	0.000	6.115	0.0	0.000	45	22.168	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.461	57.461	1.461	1.461	2.1	2.963	0.000	6.091	0.0	0.000	40	25.081	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.424	57.424	1.424	1.424	2.3	2.889	0.000	6.835	0.0	0.000	40	26.939	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.329	57.329	1.329	1.329	1.6	2.694	0.000	6.835	0.0	0.000	40	31.877	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.321	57.321	1.321	1.321	1.9	2.681	0.000	7.345	0.0	0.000	35	32.216	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.186	57.186	1.186	1.186	1.3	2.405	0.000	7.333	0.0	0.000	30	39.186	OK

Individual House Soakaways: Parcel Res15 Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 360 mins: Summer	57.119	57.119	1.119	1.119	1.4	2.271	0.000	7.945	0.0	0.000	20	42.585	OK
FEH: 30 years: +40 %: 360 mins: Winter	56.941	56.941	0.941	0.941	0.9	1.909	0.000	7.957	0.0	0.000		51.724	OK
FEH: 30 years: +40 %: 480 mins: Summer	56.948	56.948	0.948	0.948	1.1	1.922	0.000	8.359	0.0	0.000		51.394	OK
FEH: 30 years: +40 %: 480 mins: Winter	56.738	56.738	0.738	0.738	0.7	1.496	0.000	8.359	0.0	0.000		62.170	OK
FEH: 30 years: +40 %: 600 mins: Summer	56.809	56.809	0.809	0.809	0.9	1.640	0.000	8.653	0.0	0.000		58.518	OK
FEH: 30 years: +40 %: 600 mins: Winter	56.582	56.582	0.582	0.582	0.6	1.180	0.000	8.689	0.0	0.000		70.152	OK
FEH: 100 years: +40 %: 15 mins: Summer	57.568	57.568	1.568	1.568	8.5	3.179	0.000	1.164	0.0	0.000		19.607	OK
FEH: 100 years: +40 %: 15 mins: Winter	57.569	57.569	1.569	1.569	8.0	3.182	0.000	1.165	0.0	0.000		19.546	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.875	57.875	1.875	1.875	5.8	3.801	0.000	2.568	0.0	0.000		3.876	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.877	57.877	1.877	1.877	5.4	3.805	0.000	2.567	0.0	0.000		3.783	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.974	57.974	1.974	1.974	4.9	4.003	0.000	4.861	0.0	0.000	50	-1.230	Flood Risk
FEH: 100 years: +40 %: 60 mins: Winter	57.968	57.968	1.968	1.968	4.0	3.993	0.000	4.863	0.0	0.000	50	-0.983	Flood Risk
FEH: 100 years: +40 %: 120 mins: Summer	57.997	57.997	1.997	1.997	3.6	4.050	0.000	7.657	0.0	0.000	65	-2.409	Flood Risk
FEH: 100 years: +40 %: 120 mins: Winter	57.933	57.933	1.933	1.933	2.6	3.919	0.000	7.651	0.0	0.000	60	0.895	OK
FEH: 100 years: +40 %: 180 mins: Summer	57.881	57.881	1.881	1.881	2.9	3.815	0.000	8.509	0.0	0.000	70	3.526	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.767	57.767	1.767	1.767	2.0	3.585	0.000	8.515	0.0	0.000	60	9.358	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.747	57.747	1.747	1.747	2.4	3.544	0.000	9.115	0.0	0.000	65	10.393	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.588	57.588	1.588	1.588	1.6	3.222	0.000	9.097	0.0	0.000	55	18.529	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.501	57.501	1.501	1.501	1.8	3.044	0.000	9.877	0.0	0.000	55	23.036	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.288	57.288	1.288	1.288	1.1	2.612	0.000	9.865	0.0	0.000	45	33.955	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.295	57.295	1.295	1.295	1.4	2.627	0.000	10.375	0.0	0.000	45	33.574	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.047	57.047	1.047	1.047	0.9	2.123	0.000	10.357	0.0	0.000	25	46.306	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.122	57.122	1.122	1.122	1.2	2.276	0.000	10.723	0.0	0.000	35	42.438	OK
FEH: 100 years: +40 %: 600 mins: Winter	56.857	56.857	0.857	0.857	0.8	1.739	0.000	10.729	0.0	0.000		56.038	OK

Individual House Soakaways: Parcel Res16 Baldock	Date: 01/04/2025			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Catchment Area

Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Individual House Soakaways: Parcel Res16 Baldock	Date: 01/04/2025			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Soakaway

Type : Soakaway

Dimensions	
Exceedance Level (m)	58.000
Depth (m)	2.000
Base Level (m)	56.000
Freeboard (mm)	50
Soakaway Shape	Square
Diameter / Width (m)	2.700
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.3323
Side Infiltration Rate (m/hr)	0.3323
Safety Factor	3.0
Total Volume (m³)	4.265

Inlets	
Inlet	
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

Individual House Soakaways: Parcel Res16 Baldock	Date: 01/04/2025			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Individual House Soakaways: Parcel Res16 Baldock	Date: 01/04/2025			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	50
Perform No Discharge Analysis	☐

Individual House Soakaways: Parcel Res16 Baldock	Date: 01/04/2025			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

 Summary Results for Soakaway: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	56.441	56.441	0.441	0.441	2.9	0.964	0.000	0.560	0.0	0.000		77.404	OK
FEH: 2 years: +40 %: 15 mins: Winter	56.439	56.439	0.439	0.439	2.7	0.959	0.000	0.560	0.0	0.000		77.506	OK
FEH: 2 years: +40 %: 30 mins: Summer	56.498	56.498	0.498	0.498	1.9	1.090	0.000	1.135	0.0	0.000		74.437	OK
FEH: 2 years: +40 %: 30 mins: Winter	56.501	56.501	0.501	0.501	1.8	1.095	0.000	1.137	0.0	0.000		74.313	OK
FEH: 2 years: +40 %: 60 mins: Summer	56.491	56.491	0.491	0.491	1.6	1.074	0.000	2.023	0.0	0.000		74.815	OK
FEH: 2 years: +40 %: 60 mins: Winter	56.483	56.483	0.483	0.483	1.3	1.059	0.000	2.023	0.0	0.000		75.177	OK
FEH: 2 years: +40 %: 120 mins: Summer	56.576	56.576	0.576	0.576	1.4	1.260	0.000	2.917	0.0	0.000		70.461	OK
FEH: 2 years: +40 %: 120 mins: Winter	56.546	56.546	0.546	0.546	1.0	1.194	0.000	2.923	0.0	0.000		72.012	OK
FEH: 2 years: +40 %: 180 mins: Summer	56.568	56.568	0.568	0.568	1.1	1.243	0.000	3.439	0.0	0.000		70.844	OK
FEH: 2 years: +40 %: 180 mins: Winter	56.508	56.508	0.508	0.508	0.8	1.111	0.000	3.433	0.0	0.000		73.959	OK
FEH: 2 years: +40 %: 240 mins: Summer	56.535	56.535	0.535	0.535	1.0	1.172	0.000	3.799	0.0	0.000		72.527	OK
FEH: 2 years: +40 %: 240 mins: Winter	56.457	56.457	0.457	0.457	0.7	1.000	0.000	3.805	0.0	0.000		76.559	OK
FEH: 2 years: +40 %: 360 mins: Summer	56.447	56.447	0.447	0.447	0.8	0.978	0.000	4.237	0.0	0.000		77.064	OK
FEH: 2 years: +40 %: 360 mins: Winter	56.339	56.339	0.339	0.339	0.5	0.741	0.000	4.261	0.0	0.000		82.619	OK
FEH: 2 years: +40 %: 480 mins: Summer	56.367	56.367	0.367	0.367	0.6	0.802	0.000	4.561	0.0	0.000		81.201	OK
FEH: 2 years: +40 %: 480 mins: Winter	56.235	56.235	0.235	0.235	0.4	0.513	0.000	4.537	0.0	0.000		87.973	OK
FEH: 2 years: +40 %: 600 mins: Summer	56.292	56.292	0.292	0.292	0.5	0.638	0.000	4.747	0.0	0.000		85.038	OK
FEH: 2 years: +40 %: 600 mins: Winter	56.152	56.152	0.152	0.152	0.3	0.333	0.000	4.759	0.0	0.000		92.193	OK
FEH: 30 years: +40 %: 15 mins: Summer	57.165	57.165	1.165	1.165	6.8	2.547	0.000	0.853	0.0	0.000		40.269	OK
FEH: 30 years: +40 %: 15 mins: Winter	57.164	57.164	1.164	1.164	6.3	2.547	0.000	0.853	0.0	0.000		40.277	OK
FEH: 30 years: +40 %: 30 mins: Summer	57.384	57.384	1.384	1.384	4.5	3.027	0.000	1.865	0.0	0.000	25	29.018	OK
FEH: 30 years: +40 %: 30 mins: Winter	57.385	57.385	1.385	1.385	4.2	3.029	0.000	1.865	0.0	0.000	25	28.974	OK
FEH: 30 years: +40 %: 60 mins: Summer	57.454	57.454	1.454	1.454	3.8	3.180	0.000	3.600	0.0	0.000	35	25.426	OK
FEH: 30 years: +40 %: 60 mins: Winter	57.455	57.455	1.455	1.455	3.1	3.182	0.000	3.598	0.0	0.000	35	25.384	OK
FEH: 30 years: +40 %: 120 mins: Summer	57.516	57.516	1.516	1.516	2.9	3.318	0.000	6.115	0.0	0.000	50	22.195	OK
FEH: 30 years: +40 %: 120 mins: Winter	57.480	57.480	1.480	1.480	2.1	3.239	0.000	6.091	0.0	0.000	45	24.060	OK
FEH: 30 years: +40 %: 180 mins: Summer	57.444	57.444	1.444	1.444	2.3	3.157	0.000	6.835	0.0	0.000	55	25.966	OK
FEH: 30 years: +40 %: 180 mins: Winter	57.381	57.381	1.381	1.381	1.6	3.021	0.000	6.835	0.0	0.000	50	29.152	OK
FEH: 30 years: +40 %: 240 mins: Summer	57.358	57.358	1.358	1.358	1.9	2.971	0.000	7.345	0.0	0.000	50	30.340	OK
FEH: 30 years: +40 %: 240 mins: Winter	57.252	57.252	1.252	1.252	1.3	2.738	0.000	7.333	0.0	0.000	40	35.805	OK

Individual House Soakaways: Parcel Res16 Baldock	Date: 01/04/2025			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	AKT II: White Collar Factory 1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 360 mins: Summer	57.174	57.174	1.174	1.174	1.4	2.569	0.000	7.945	0.0	0.000	30	39.765	OK
FEH: 30 years: +40 %: 360 mins: Winter	57.025	57.025	1.025	1.025	0.9	2.243	0.000	7.957	0.0	0.000	15	47.406	OK
FEH: 30 years: +40 %: 480 mins: Summer	57.015	57.015	1.015	1.015	1.1	2.221	0.000	8.359	0.0	0.000	10	47.912	OK
FEH: 30 years: +40 %: 480 mins: Winter	56.829	56.829	0.829	0.829	0.7	1.813	0.000	8.359	0.0	0.000		57.488	OK
FEH: 30 years: +40 %: 600 mins: Summer	56.882	56.882	0.882	0.882	0.9	1.930	0.000	8.653	0.0	0.000		54.746	OK
FEH: 30 years: +40 %: 600 mins: Winter	56.676	56.676	0.676	0.676	0.6	1.478	0.000	8.689	0.0	0.000		65.341	OK
FEH: 100 years: +40 %: 15 mins: Summer	57.501	57.501	1.501	1.501	8.5	3.282	0.000	0.986	0.0	0.000		23.031	OK
FEH: 100 years: +40 %: 15 mins: Winter	57.502	57.502	1.502	1.502	8.0	3.285	0.000	0.987	0.0	0.000		22.972	OK
FEH: 100 years: +40 %: 30 mins: Summer	57.809	57.809	1.809	1.809	5.8	3.957	0.000	2.212	0.0	0.000		7.217	OK
FEH: 100 years: +40 %: 30 mins: Winter	57.811	57.811	1.811	1.811	5.4	3.960	0.000	2.211	0.0	0.000		7.134	OK
FEH: 100 years: +40 %: 60 mins: Summer	57.932	57.932	1.932	1.932	4.9	4.227	0.000	4.342	0.0	0.000	60	0.875	OK
FEH: 100 years: +40 %: 60 mins: Winter	57.933	57.933	1.933	1.933	4.0	4.227	0.000	4.344	0.0	0.000	60	0.873	OK
FEH: 100 years: +40 %: 120 mins: Summer	57.989	57.989	1.989	1.989	3.6	4.352	0.000	7.411	0.0	0.000	70	-2.059	Flood Risk
FEH: 100 years: +40 %: 120 mins: Winter	57.951	57.951	1.951	1.951	2.6	4.268	0.000	7.403	0.0	0.000	65	-0.073	Flood Risk
FEH: 100 years: +40 %: 180 mins: Summer	57.903	57.903	1.903	1.903	2.9	4.163	0.000	8.509	0.0	0.000	75	2.375	OK
FEH: 100 years: +40 %: 180 mins: Winter	57.825	57.825	1.825	1.825	2.0	3.992	0.000	8.515	0.0	0.000	75	6.384	OK
FEH: 100 years: +40 %: 240 mins: Summer	57.790	57.790	1.790	1.790	2.4	3.915	0.000	9.115	0.0	0.000	85	8.195	OK
FEH: 100 years: +40 %: 240 mins: Winter	57.670	57.670	1.670	1.670	1.6	3.652	0.000	9.097	0.0	0.000	75	14.368	OK
FEH: 100 years: +40 %: 360 mins: Summer	57.568	57.568	1.568	1.568	1.8	3.430	0.000	9.877	0.0	0.000	70	19.581	OK
FEH: 100 years: +40 %: 360 mins: Winter	57.388	57.388	1.388	1.388	1.1	3.036	0.000	9.865	0.0	0.000	60	28.818	OK
FEH: 100 years: +40 %: 480 mins: Summer	57.376	57.376	1.376	1.376	1.4	3.010	0.000	10.375	0.0	0.000	55	29.424	OK
FEH: 100 years: +40 %: 480 mins: Winter	57.158	57.158	1.158	1.158	0.9	2.534	0.000	10.357	0.0	0.000	40	40.588	OK
FEH: 100 years: +40 %: 600 mins: Summer	57.210	57.210	1.210	1.210	1.2	2.647	0.000	10.723	0.0	0.000	50	37.940	OK
FEH: 100 years: +40 %: 600 mins: Winter	56.971	56.971	0.971	0.971	0.8	2.125	0.000	10.729	0.0	0.000		50.183	OK

Project: Employment Land Car Parks Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
MJD				
Report Details: Type: Inflows Storm Phase: Phase			Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF	



Emp01

Type : Catchment Area

Area (m²)	6300.00
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Preliminary Sizing

Volumetric Runoff Coefficient	1.000
Percentage Impervious (%)	10
Time of Concentration (mins)	5

Dynamic Sizing

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



Emp03

Type : Catchment Area

Area (m²)	26300.00
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Preliminary Sizing

Volumetric Runoff Coefficient	1.000
Percentage Impervious (%)	10
Time of Concentration (mins)	5

Dynamic Sizing

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



Emp02

Type : Catchment Area

Area (m²)	129000.00
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Preliminary Sizing

Volumetric Runoff Coefficient	1.000
Percentage Impervious (%)	10
Time of Concentration (mins)	5

Dynamic Sizing

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

Project: Employment Land Car Parks Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
MJD				
Report Details: Type: Stormwater Controls Storm Phase: Phase			Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF	



Emp01 Car Park

Type : Porous Paving

Dimensions

Exceedance Level (m)	69.010
Depth (m)	0.450
Base Level (m)	68.560
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	3.6
Porosity (%)	30
Length (m)	63.000
Long. Slope (1:X)	200.00
Width (m)	10.000
Total Volume (m³)	56.700

Advanced

Base Infiltration Rate (m/hr)	0.0192
Side Infiltration Rate (m/hr)	0.0192
Safety Factor	5.0
Conductivity (m/hr)	50.0



Emp03 Car Park

Type : Porous Paving

Dimensions

Exceedance Level (m)	69.010
Depth (m)	0.450
Base Level (m)	68.560
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	3.6
Porosity (%)	30
Length (m)	40.000
Long. Slope (1:X)	200.00
Width (m)	65.000
Total Volume (m³)	234.000

Advanced

Base Infiltration Rate (m/hr)	0.5112
Side Infiltration Rate (m/hr)	0.5112
Safety Factor	5.0
Conductivity (m/hr)	50.0

Project: Employment Land Car Parks Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Emp02 Car Park

Type : Porous Paving

Dimensions

Exceedance Level (m)	69.010
Depth (m)	0.450
Base Level (m)	68.560
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	3.6
Porosity (%)	30
Length (m)	129.000
Long. Slope (1:X)	200.00
Width (m)	100.000
Total Volume (m³)	1161.000

Advanced

Base Infiltration Rate (m/hr)	0.4032
Side Infiltration Rate (m/hr)	0.4032
Safety Factor	5.0
Conductivity (m/hr)	50.0

Project: Employment Land Car Parks Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Summary Results for Emp01 Car Park: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	68.911	68.596	0.035	0.036	16.6	6.704	0.000	1.196	0.0	0.000		88.177	OK
FEH: 2 years: +40 %: 15 mins: Winter	68.911	68.596	0.035	0.036	15.6	6.707	0.000	1.198	0.0	0.000		88.171	OK
FEH: 2 years: +40 %: 30 mins: Summer	68.918	68.603	0.043	0.043	10.9	8.096	0.000	2.396	0.0	0.000		85.721	OK
FEH: 2 years: +40 %: 30 mins: Winter	68.918	68.603	0.043	0.043	10.3	8.097	0.000	2.396	0.0	0.000		85.720	OK
FEH: 2 years: +40 %: 60 mins: Summer	68.923	68.609	0.048	0.048	9.3	9.056	0.000	4.809	0.0	0.000		84.028	OK
FEH: 2 years: +40 %: 60 mins: Winter	68.923	68.609	0.048	0.049	7.5	9.110	0.000	4.783	0.0	0.000		83.933	OK
FEH: 2 years: +40 %: 120 mins: Summer	68.937	68.624	0.061	0.064	7.9	11.849	0.000	9.675	0.0	0.000		79.102	OK
FEH: 2 years: +40 %: 120 mins: Winter	68.938	68.625	0.062	0.065	5.7	11.990	0.000	9.597	0.0	0.000		78.854	OK
FEH: 2 years: +40 %: 180 mins: Summer	68.940	68.628	0.064	0.068	6.6	12.460	0.000	14.497	0.0	0.000		78.025	OK
FEH: 2 years: +40 %: 180 mins: Winter	68.941	68.629	0.065	0.069	4.5	12.701	0.000	14.376	0.0	0.000		77.599	OK
FEH: 2 years: +40 %: 240 mins: Summer	68.940	68.628	0.065	0.068	5.6	12.570	0.000	19.110	0.0	0.000		77.830	OK
FEH: 2 years: +40 %: 240 mins: Winter	68.940	68.629	0.065	0.069	3.8	12.602	0.000	19.095	0.0	0.000		77.773	OK
FEH: 2 years: +40 %: 360 mins: Summer	68.938	68.627	0.063	0.066	4.3	12.235	0.000	24.353	0.0	0.000		78.422	OK
FEH: 2 years: +40 %: 360 mins: Winter	68.937	68.626	0.062	0.066	2.8	12.072	0.000	24.353	0.0	0.000		78.709	OK
FEH: 2 years: +40 %: 480 mins: Summer	68.935	68.623	0.059	0.063	3.5	11.539	0.000	26.039	0.0	0.000		79.650	OK
FEH: 2 years: +40 %: 480 mins: Winter	68.932	68.621	0.056	0.060	2.3	11.033	0.000	26.003	0.0	0.000		80.541	OK
FEH: 2 years: +40 %: 600 mins: Summer	68.931	68.619	0.055	0.059	3.0	10.765	0.000	27.245	0.0	0.000		81.015	OK
FEH: 2 years: +40 %: 600 mins: Winter	68.926	68.615	0.050	0.054	1.9	9.888	0.000	27.263	0.0	0.000		82.561	OK
FEH: 30 years: +40 %: 15 mins: Summer	68.963	68.649	0.088	0.088	38.7	16.631	0.000	1.216	0.0	0.000		70.668	OK
FEH: 30 years: +40 %: 15 mins: Winter	68.963	68.649	0.088	0.088	36.4	16.633	0.000	1.217	0.0	0.000		70.666	OK
FEH: 30 years: +40 %: 30 mins: Summer	68.986	68.672	0.111	0.112	25.9	21.015	0.000	2.445	0.0	0.000		62.937	OK
FEH: 30 years: +40 %: 30 mins: Winter	68.986	68.672	0.111	0.112	24.3	21.015	0.000	2.445	0.0	0.000		62.936	OK
FEH: 30 years: +40 %: 60 mins: Summer	69.005	68.693	0.130	0.133	22.0	24.861	0.000	4.913	0.0	0.000		56.153	OK
FEH: 30 years: +40 %: 60 mins: Winter	69.005	68.693	0.130	0.133	17.7	24.869	0.000	4.907	0.0	0.000		56.140	OK
FEH: 30 years: +40 %: 120 mins: Summer	69.030	68.721	0.155	0.161	16.6	29.896	0.000	9.880	0.0	0.000	35	47.274	OK
FEH: 30 years: +40 %: 120 mins: Winter	69.031	68.722	0.156	0.162	11.9	29.995	0.000	9.838	0.0	0.000	40	47.099	OK

Project: Employment Land Car Parks Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 180 mins: Summer	69.038	68.732	0.163	0.172	13.1	31.640	0.000	14.842	0.0	0.000	75	44.198	OK
FEH: 30 years: +40 %: 180 mins: Winter	69.039	68.733	0.164	0.173	9.0	31.863	0.000	14.748	0.0	0.000	85	43.805	OK
FEH: 30 years: +40 %: 240 mins: Summer	69.039	68.736	0.163	0.176	10.9	32.057	0.000	19.789	0.0	0.000	90	43.462	OK
FEH: 30 years: +40 %: 240 mins: Winter	69.040	68.737	0.165	0.177	7.3	32.357	0.000	19.642	0.0	0.000	100	42.934	OK
FEH: 30 years: +40 %: 360 mins: Summer	69.031	68.732	0.155	0.172	8.1	30.800	0.000	29.617	0.0	0.000	65	45.679	OK
FEH: 30 years: +40 %: 360 mins: Winter	69.033	68.735	0.158	0.174	5.3	31.382	0.000	29.340	0.0	0.000	80	44.653	OK
FEH: 30 years: +40 %: 480 mins: Summer	69.022	68.722	0.146	0.162	6.5	28.975	0.000	39.061	0.0	0.000	80	48.898	OK
FEH: 30 years: +40 %: 480 mins: Winter	69.022	68.725	0.147	0.165	4.2	29.319	0.000	38.872	0.0	0.000	45	48.291	OK
FEH: 30 years: +40 %: 600 mins: Summer	69.014	68.714	0.139	0.153	5.4	27.461	0.000	47.459	0.0	0.000		51.568	OK
FEH: 30 years: +40 %: 600 mins: Winter	69.013	68.715	0.138	0.154	3.5	27.413	0.000	47.450	0.0	0.000		51.652	OK
FEH: 100 years: +40 %: 15 mins: Summer	68.987	68.673	0.112	0.113	48.9	21.249	0.000	1.223	0.0	0.000		62.524	OK
FEH: 100 years: +40 %: 15 mins: Winter	68.987	68.673	0.112	0.113	46.0	21.244	0.000	1.224	0.0	0.000		62.533	OK
FEH: 100 years: +40 %: 30 mins: Summer	69.018	68.705	0.143	0.144	33.0	27.167	0.000	2.461	0.0	0.000		52.086	OK
FEH: 100 years: +40 %: 30 mins: Winter	69.018	68.705	0.143	0.144	31.0	27.167	0.000	2.461	0.0	0.000		52.086	OK
FEH: 100 years: +40 %: 60 mins: Summer	69.046	68.735	0.171	0.174	28.2	32.642	0.000	4.953	0.0	0.000		42.430	OK
FEH: 100 years: +40 %: 60 mins: Winter	69.046	68.735	0.171	0.174	22.7	32.648	0.000	4.948	0.0	0.000		42.419	OK
FEH: 100 years: +40 %: 120 mins: Summer	69.076	68.769	0.201	0.209	20.8	38.715	0.000	9.966	0.0	0.000		31.719	OK
FEH: 100 years: +40 %: 120 mins: Winter	69.077	68.769	0.201	0.209	15.0	38.785	0.000	9.932	0.0	0.000		31.596	OK
FEH: 100 years: +40 %: 180 mins: Summer	69.087	68.784	0.211	0.224	16.3	41.172	0.000	14.979	0.0	0.000		27.386	OK
FEH: 100 years: +40 %: 180 mins: Winter	69.088	68.785	0.213	0.225	11.3	41.379	0.000	14.898	0.0	0.000		27.022	OK
FEH: 100 years: +40 %: 240 mins: Summer	69.090	68.791	0.214	0.231	13.5	42.065	0.000	19.980	0.0	0.000		25.811	OK
FEH: 100 years: +40 %: 240 mins: Winter	69.091	68.792	0.216	0.232	9.1	42.370	0.000	19.851	0.0	0.000		25.273	OK
FEH: 100 years: +40 %: 360 mins: Summer	69.083	68.792	0.208	0.232	10.0	41.600	0.000	29.922	0.0	0.000	315	26.632	OK
FEH: 100 years: +40 %: 360 mins: Winter	69.087	68.794	0.211	0.234	6.6	42.110	0.000	29.694	0.0	0.000	330	25.732	OK
FEH: 100 years: +40 %: 480 mins: Summer	69.073	68.784	0.198	0.224	8.1	39.599	0.000	39.773	0.0	0.000	290	30.161	OK
FEH: 100 years: +40 %: 480 mins: Winter	69.075	68.788	0.200	0.228	5.2	40.374	0.000	39.401	0.0	0.000	295	28.794	OK
FEH: 100 years: +40 %: 600 mins: Summer	69.063	68.774	0.188	0.213	6.7	37.539	0.000	49.239	0.0	0.000	300	33.793	OK
FEH: 100 years: +40 %: 600 mins: Winter	69.064	68.778	0.189	0.217	4.3	38.067	0.000	48.952	0.0	0.000	255	32.863	OK

Project: Employment Land Car Parks Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Summary Results for Emp03 Car Park: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	68.760	68.560	0.000	0.000	69.3	0.000	0.000	31.257	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 15 mins: Winter	68.760	68.560	0.000	0.000	65.2	0.000	0.000	31.261	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 30 mins: Summer	68.760	68.560	0.000	0.000	45.6	0.000	0.000	39.502	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 30 mins: Winter	68.760	68.560	0.000	0.000	42.8	0.000	0.000	39.502	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 60 mins: Summer	68.760	68.560	0.000	0.000	38.8	0.000	0.000	48.428	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 60 mins: Winter	68.760	68.560	0.000	0.000	31.2	0.000	0.000	48.428	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 120 mins: Summer	68.760	68.560	0.000	0.000	33.2	0.000	0.000	69.890	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 120 mins: Winter	68.760	68.560	0.000	0.000	23.9	0.000	0.000	69.895	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 180 mins: Summer	68.760	68.560	0.000	0.000	27.5	0.000	0.000	82.159	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 180 mins: Winter	68.760	68.560	0.000	0.000	19.0	0.000	0.000	82.158	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 240 mins: Summer	68.760	68.560	0.000	0.000	23.5	0.000	0.000	90.577	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 240 mins: Winter	68.760	68.560	0.000	0.000	15.8	0.000	0.000	90.558	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 360 mins: Summer	68.760	68.560	0.000	0.000	18.0	0.000	0.000	101.731	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 360 mins: Winter	68.760	68.560	0.000	0.000	11.9	0.000	0.000	101.694	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 480 mins: Summer	68.760	68.560	0.000	0.000	14.7	0.000	0.000	108.619	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 480 mins: Winter	68.760	68.560	0.000	0.000	9.5	0.000	0.000	108.654	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 600 mins: Summer	68.760	68.560	0.000	0.000	12.4	0.000	0.000	113.725	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 600 mins: Winter	68.760	68.560	0.000	0.000	8.0	0.000	0.000	113.736	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 15 mins: Summer	68.785	68.585	0.025	0.025	161.5	19.632	0.000	73.175	0.0	0.000		91.610	OK
FEH: 30 years: +40 %: 15 mins: Winter	68.782	68.583	0.022	0.022	151.9	17.711	0.000	73.204	0.0	0.000		92.431	OK
FEH: 30 years: +40 %: 30 mins: Summer	68.776	68.576	0.015	0.015	108.0	12.032	0.000	93.972	0.0	0.000		94.858	OK
FEH: 30 years: +40 %: 30 mins: Winter	68.772	68.573	0.012	0.012	101.4	9.426	0.000	93.946	0.0	0.000		95.972	OK
FEH: 30 years: +40 %: 60 mins: Summer	68.768	68.568	0.008	0.008	91.8	5.792	0.000	115.048	0.0	0.000		97.525	OK
FEH: 30 years: +40 %: 60 mins: Winter	68.760	68.560	0.000	0.000	73.8	0.000	0.000	114.749	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 120 mins: Summer	68.760	68.560	0.000	0.000	69.3	0.000	0.000	145.948	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 120 mins: Winter	68.760	68.560	0.000	0.000	49.8	0.000	0.000	145.958	0.0	0.000		100.000	OK

Project: Employment Land Car Parks Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 180 mins: Summer	68.760	68.560	0.000	0.000	54.8	0.000	0.000	163.533	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 180 mins: Winter	68.760	68.560	0.000	0.000	37.8	0.000	0.000	163.531	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 240 mins: Summer	68.760	68.560	0.000	0.000	45.4	0.000	0.000	175.295	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 240 mins: Winter	68.760	68.560	0.000	0.000	30.5	0.000	0.000	175.285	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 360 mins: Summer	68.760	68.560	0.000	0.000	33.7	0.000	0.000	190.346	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 360 mins: Winter	68.760	68.560	0.000	0.000	22.2	0.000	0.000	190.320	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 480 mins: Summer	68.760	68.560	0.000	0.000	27.1	0.000	0.000	200.047	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 480 mins: Winter	68.760	68.560	0.000	0.000	17.6	0.000	0.000	200.040	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 600 mins: Summer	68.760	68.560	0.000	0.000	22.6	0.000	0.000	207.145	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 600 mins: Winter	68.760	68.560	0.000	0.000	14.6	0.000	0.000	207.120	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 15 mins: Summer	68.804	68.604	0.044	0.044	204.2	34.687	0.000	92.350	0.0	0.000		85.177	OK
FEH: 100 years: +40 %: 15 mins: Winter	68.801	68.602	0.041	0.041	192.2	32.337	0.000	92.495	0.0	0.000		86.181	OK
FEH: 100 years: +40 %: 30 mins: Summer	68.798	68.598	0.038	0.038	137.7	30.122	0.000	119.642	0.0	0.000		87.127	OK
FEH: 100 years: +40 %: 30 mins: Winter	68.794	68.594	0.034	0.034	129.2	26.856	0.000	119.702	0.0	0.000		88.523	OK
FEH: 100 years: +40 %: 60 mins: Summer	68.787	68.587	0.027	0.027	117.9	21.440	0.000	147.569	0.0	0.000		90.838	OK
FEH: 100 years: +40 %: 60 mins: Winter	68.773	68.574	0.013	0.013	94.8	10.433	0.000	147.593	0.0	0.000		95.542	OK
FEH: 100 years: +40 %: 120 mins: Summer	68.786	68.586	0.006	0.006	86.8	5.001	0.000	183.214	0.0	0.000		97.863	OK
FEH: 100 years: +40 %: 120 mins: Winter	68.760	68.560	0.000	0.000	62.5	0.000	0.000	182.996	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 180 mins: Summer	68.760	68.560	0.000	0.000	68.2	0.000	0.000	203.571	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 180 mins: Winter	68.760	68.560	0.000	0.000	47.0	0.000	0.000	203.563	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 240 mins: Summer	68.760	68.560	0.000	0.000	56.4	0.000	0.000	217.611	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 240 mins: Winter	68.760	68.560	0.000	0.000	37.9	0.000	0.000	217.621	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 360 mins: Summer	68.760	68.560	0.000	0.000	41.8	0.000	0.000	236.012	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 360 mins: Winter	68.760	68.560	0.000	0.000	27.5	0.000	0.000	236.022	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 480 mins: Summer	68.760	68.560	0.000	0.000	33.6	0.000	0.000	247.969	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 480 mins: Winter	68.760	68.560	0.000	0.000	21.8	0.000	0.000	247.938	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 600 mins: Summer	68.760	68.560	0.000	0.000	27.9	0.000	0.000	256.591	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 600 mins: Winter	68.760	68.560	0.000	0.000	18.0	0.000	0.000	256.596	0.0	0.000		100.000	OK

Project: Employment Land Car Parks Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Summary Results for Emp02 Car Park: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	69.206	68.561	0.000	0.000	340.1	0.804	0.000	153.917	0.0	0.000		99.931	OK
FEH: 2 years: +40 %: 15 mins: Winter	69.205	68.560	0.000	0.000	320.0	0.250	0.000	153.725	0.0	0.000		99.979	OK
FEH: 2 years: +40 %: 30 mins: Summer	69.205	68.560	0.000	0.000	223.6	0.000	0.000	193.749	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 30 mins: Winter	69.205	68.560	0.000	0.000	209.9	0.000	0.000	193.755	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 60 mins: Summer	69.205	68.560	0.000	0.000	190.1	0.000	0.000	237.564	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 60 mins: Winter	69.205	68.560	0.000	0.000	152.9	0.000	0.000	237.550	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 120 mins: Summer	69.205	68.560	0.000	0.000	162.7	0.000	0.000	342.830	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 120 mins: Winter	69.205	68.560	0.000	0.000	117.1	0.000	0.000	342.820	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 180 mins: Summer	69.205	68.560	0.000	0.000	135.0	0.000	0.000	403.003	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 180 mins: Winter	69.205	68.560	0.000	0.000	93.0	0.000	0.000	402.992	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 240 mins: Summer	69.205	68.560	0.000	0.000	115.1	0.000	0.000	444.161	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 240 mins: Winter	69.205	68.560	0.000	0.000	77.4	0.000	0.000	444.169	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 360 mins: Summer	69.205	68.560	0.000	0.000	88.3	0.000	0.000	498.856	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 360 mins: Winter	69.205	68.560	0.000	0.000	58.2	0.000	0.000	498.865	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 480 mins: Summer	69.205	68.560	0.000	0.000	72.3	0.000	0.000	532.875	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 480 mins: Winter	69.205	68.560	0.000	0.000	46.8	0.000	0.000	532.854	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 600 mins: Summer	69.205	68.560	0.000	0.000	60.7	0.000	0.000	557.763	0.0	0.000		100.000	OK
FEH: 2 years: +40 %: 600 mins: Winter	69.205	68.560	0.000	0.000	39.2	0.000	0.000	557.766	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 15 mins: Summer	69.239	68.594	0.034	0.034	791.9	133.284	0.000	358.121	0.0	0.000		88.520	OK
FEH: 30 years: +40 %: 15 mins: Winter	69.237	68.592	0.032	0.032	745.1	124.164	0.000	358.085	0.0	0.000		89.305	OK
FEH: 30 years: +40 %: 30 mins: Summer	69.234	68.589	0.029	0.029	529.8	112.400	0.000	460.735	0.0	0.000		90.319	OK
FEH: 30 years: +40 %: 30 mins: Winter	69.231	68.586	0.025	0.025	497.2	99.799	0.000	460.178	0.0	0.000		91.404	OK
FEH: 30 years: +40 %: 60 mins: Summer	69.225	68.580	0.020	0.020	450.4	76.899	0.000	564.347	0.0	0.000		93.376	OK
FEH: 30 years: +40 %: 60 mins: Winter	69.214	68.569	0.009	0.009	362.2	34.724	0.000	563.991	0.0	0.000		97.009	OK
FEH: 30 years: +40 %: 120 mins: Summer	69.210	68.565	0.005	0.005	339.7	19.541	0.000	716.735	0.0	0.000		98.317	OK
FEH: 30 years: +40 %: 120 mins: Winter	69.205	68.560	0.000	0.000	244.5	0.000	0.000	715.905	0.0	0.000		100.000	OK

Project: Employment Land Car Parks Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF		
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase			



FEH: 30 years: +40 %: 180 mins: Summer	69.205	68.560	0.000	0.000	268.7	0.000	0.000	802.105	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 180 mins: Winter	69.205	68.560	0.000	0.000	185.2	0.000	0.000	802.097	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 240 mins: Summer	69.205	68.560	0.000	0.000	222.8	0.000	0.000	859.786	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 240 mins: Winter	69.205	68.560	0.000	0.000	149.8	0.000	0.000	859.773	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 360 mins: Summer	69.205	68.560	0.000	0.000	165.3	0.000	0.000	933.589	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 360 mins: Winter	69.205	68.560	0.000	0.000	108.9	0.000	0.000	933.571	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 480 mins: Summer	69.205	68.560	0.000	0.000	133.1	0.000	0.000	981.144	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 480 mins: Winter	69.205	68.560	0.000	0.000	86.1	0.000	0.000	981.163	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 600 mins: Summer	69.205	68.560	0.000	0.000	110.6	0.000	0.000	1015.925	0.0	0.000		100.000	OK
FEH: 30 years: +40 %: 600 mins: Winter	69.205	68.560	0.000	0.000	71.4	0.000	0.000	1015.930	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 15 mins: Summer	69.259	68.614	0.054	0.054	1001.8	209.494	0.000	453.401	0.0	0.000		81.956	OK
FEH: 100 years: +40 %: 15 mins: Winter	69.257	68.612	0.051	0.051	942.5	198.625	0.000	453.190	0.0	0.000		82.892	OK
FEH: 100 years: +40 %: 30 mins: Summer	69.258	68.613	0.053	0.053	675.4	205.302	0.000	587.005	0.0	0.000		82.317	OK
FEH: 100 years: +40 %: 30 mins: Winter	69.254	68.609	0.049	0.049	633.9	190.258	0.000	586.398	0.0	0.000		83.613	OK
FEH: 100 years: +40 %: 60 mins: Summer	69.248	68.603	0.042	0.042	578.1	164.282	0.000	724.044	0.0	0.000		85.850	OK
FEH: 100 years: +40 %: 60 mins: Winter	69.235	68.590	0.029	0.030	464.9	113.788	0.000	723.927	0.0	0.000		90.199	OK
FEH: 100 years: +40 %: 120 mins: Summer	69.227	68.582	0.021	0.021	425.9	82.769	0.000	898.974	0.0	0.000		92.871	OK
FEH: 100 years: +40 %: 120 mins: Winter	69.207	68.562	0.002	0.002	306.5	6.974	0.000	897.967	0.0	0.000		99.399	OK
FEH: 100 years: +40 %: 180 mins: Summer	69.211	68.566	0.005	0.005	334.5	21.304	0.000	999.192	0.0	0.000		98.165	OK
FEH: 100 years: +40 %: 180 mins: Winter	69.205	68.560	0.000	0.000	230.5	0.000	0.000	998.481	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 240 mins: Summer	69.205	68.560	0.000	0.000	276.6	0.000	0.000	1067.371	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 240 mins: Winter	69.205	68.560	0.000	0.000	186.0	0.000	0.000	1067.367	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 360 mins: Summer	69.205	68.560	0.000	0.000	205.0	0.000	0.000	1157.649	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 360 mins: Winter	69.205	68.560	0.000	0.000	135.0	0.000	0.000	1157.654	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 480 mins: Summer	69.205	68.560	0.000	0.000	165.0	0.000	0.000	1216.225	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 480 mins: Winter	69.205	68.560	0.000	0.000	106.8	0.000	0.000	1216.192	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 600 mins: Summer	69.205	68.560	0.000	0.000	137.0	0.000	0.000	1258.572	0.0	0.000		100.000	OK
FEH: 100 years: +40 %: 600 mins: Winter	69.205	68.560	0.000	0.000	88.4	0.000	0.000	1258.561	0.0	0.000		100.000	OK

Project: Infiltration Basins Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF		
Report Details: Type: Inflows Storm Phase: Phase			



Res07

Type : Catchment Area

Area (ha)	0.25
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res11

Type : Catchment Area

Area (ha)	0.12
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Edu01

Type : Catchment Area

Area (ha)	2.22
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	30



Edu02

Type : Catchment Area

Area (ha)	2.01
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	30

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Emp01

Type : Catchment Area

Area (ha)	0.63
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	65



Emp03

Type : Catchment Area

Area (ha)	2.63
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	65



Fle01

Type : Catchment Area

Area (ha)	10.50
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	20



LC01

Type : Catchment Area

Area (ha)	1.16
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	75

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



LC02

Type : Catchment Area

Area (ha)	0.76
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	75



LC03

Type : Catchment Area

Area (ha)	0.50
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	75



LC06

Type : Catchment Area

Area (ha)	0.54
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	75



Res01

Type : Catchment Area

Area (ha)	4.07
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
MJD				
Report Details:			Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF	
Type: Inflows Storm Phase: Phase				



Res02

Type : Catchment Area

Area (ha)	0.95
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res03

Type : Catchment Area

Area (ha)	0.20
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res05

Type : Catchment Area

Area (ha)	5.33
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res06

Type : Catchment Area

Area (ha)	2.71
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
MJD				
Report Details:			Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF	
Type: Inflows Storm Phase: Phase				



Res08

Type : Catchment Area

Area (ha)	16.85
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res09

Type : Catchment Area

Area (ha)	2.56
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res10

Type : Catchment Area

Area (ha)	0.11
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res12

Type : Catchment Area

Area (ha)	6.84
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
MJD				
Report Details:			Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF	
Type: Inflows Storm Phase: Phase				



Res13

Type : Catchment Area

Area (ha)	18.96
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res14

Type : Catchment Area

Area (ha)	5.03
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res15

Type : Catchment Area

Area (ha)	0.23
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res16

Type : Catchment Area

Area (ha)	6.95
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
MJD				
Report Details:			Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF	
Type: Inflows Storm Phase: Phase				



Emp02 West

Type : Catchment Area

Area (ha)	6.45
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	65



Emp02 East

Type : Catchment Area

Area (ha)	6.45
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	65



LC04

Type : Catchment Area

Area (ha)	0.88
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	75



LC05

Type : Catchment Area

Area (ha)	0.71
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	75

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Res04 West

Type : Catchment Area

Area (ha)	2.33
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15



Res04 East

Type : Catchment Area

Area (ha)	1.30
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff Coefficient	1.000
Winter Volumetric Runoff Coefficient	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	15

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Infiltration Basin 4

Type : Pond

Dimensions

Exceedance Level (m)	70.500
Depth (m)	1.000
Base Level (m)	69.500
Freeboard (mm)	50
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	3.998
Total Volume (m³)	659.658

Depth (m)	Area (m²)	Volume (m³)
0.000	525.00	0.000
1.000	900.00	704.129

Inlets

Inlet

Inlet Type	Point Inflow Edu02
Incoming Item(s)	Res14
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Advanced

Base Infiltration Rate (m/hr)	0.3593
Side Infiltration Rate (m/hr)	0.3593
Safety Factor	2.0
Perimeter	Circular
Length (m)	87.567
Friction Scheme	Manning's n
n	0.05

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Infiltration Basin 6

Type : Pond

Dimensions		
Exceedance Level (m)	73.500	
Depth (m)	1.200	
Base Level (m)	72.300	
Freeboard (mm)	50	
Initial Depth (m)	0.000	
Porosity (%)	100	
Average Slope (1:X)	4.019	
Total Volume (m³)	4195.535	
Depth (m)	Area (m²)	Volume (m³)
0.000	3165.00	0.000
1.200	4200.00	4404.383
Inlets		
Inlet		
Inlet Type	Point Inflow Emp03	
Incoming Item(s)	Emp02 East	
Bypass Destination	(None)	
Capacity Type	No Restriction	
Outlets		
Advanced		
Base Infiltration Rate (m/hr)	0.1022	
Side Infiltration Rate (m/hr)	0.1022	
Safety Factor	2.0	
Perimeter	Circular	
Length (m)	67.061	
Friction Scheme	Manning's n	
n	0.05	

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Infiltration Basin 5

Type : Pond

Dimensions		
Exceedance Level (m)	65.900	
Depth (m)	1.200	
Base Level (m)	64.700	
Freeboard (mm)	50	
Initial Depth (m)	0.822	
Porosity (%)	100	
Average Slope (1:X)	4.005	
Total Volume (m³)	4144.127	
Depth (m)	Area (m²)	Volume (m³)
0.000	3125.00	0.000
1.200	4150.00	4350.486
Inlets		
Inlet		
Inlet Type	Point Inflow Res15	
Incoming Item(s)	Emp01 Emp02 West	
Bypass Destination	(None)	
Capacity Type	No Restriction	
Outlets		
Advanced		
Base Infiltration Rate (m/hr)	0.864	
Side Infiltration Rate (m/hr)	0.864	
Safety Factor	2.0	
Perimeter	Circular	
Length (m)	120.118	
Friction Scheme	Manning's n	
n	0.05	

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			

 Infiltration Basin 3

Type : Pond

Dimensions	
Exceedance Level (m)	60.500
Depth (m)	1.000
Base Level (m)	59.500
Freeboard (mm)	50
Initial Depth (m)	0.639
Porosity (%)	100
Average Slope (1:X)	4.008
Total Volume (m³)	6528.125

Depth (m)	Area (m²)	Volume (m³)
0.000	6320.00	0.000
1.000	7500.00	6901.589

Inlets	
Inlet	
Inlet Type	Point Inflow
Incoming Item(s)	Res12
	Res11
	Res10
	Res07
	LC06
	Res13
	LC05
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	Trapezoidal Channel
Outlet Type	Weir
Width (m)	5.000
Coefficient of Discharge	0.544
Crest Level (m)	60.100

Advanced	
Base Infiltration Rate (m/hr)	0.0294
Side Infiltration Rate (m/hr)	0.0294
Safety Factor	2.0
Perimeter	Circular
Length (m)	111.564
Friction Scheme	Manning's n
n	0.05

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			

 Infiltration Basin 2

Type : Pond

Dimensions

Exceedance Level (m)	58.500
Depth (m)	1.000
Base Level (m)	57.500
Freeboard (mm)	50
Initial Depth (m)	0.082
Porosity (%)	100
Average Slope (1:X)	4.012
Total Volume (m³)	8533.323

Depth (m)	Area (m²)	Volume (m³)
0.000	8350.00	0.000
1.000	9700.00	9016.574

Inlets	
Inlet	
Inlet Type	Point Inflow
Incoming Item(s)	Trapezoidal Channel
	Res03
	Res06
	Res04 East
	Res08
	Res05
	Res09
	LC01
	LC02
	LC04
	LC03
	Edu01
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	Trapezoidal Channel (1)
Outlet Type	Weir
Width (m)	5.000
Coefficient of Discharge	0.544
Crest Level (m)	58.400

Advanced	
Base Infiltration Rate (m/hr)	0.0515
Side Infiltration Rate (m/hr)	0.0515
Safety Factor	2.0
Perimeter	Circular
Length (m)	98.180
Friction Scheme	Manning's n
n	0.05

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Infiltration Basin 1

Type : Pond

Dimensions		
Exceedance Level (m)	57.000	
Depth (m)	1.000	
Base Level (m)	56.000	
Freeboard (mm)	50	
Initial Depth (m)	0.810	
Porosity (%)	100	
Average Slope (1:X)	3.999	
Total Volume (m³)	5440.530	
Depth (m)	Area (m²)	Volume (m³)
0.000	5225.00	0.000
1.000	6300.00	5754.126
Inlets		
Inlet		
Inlet Type	Point Inflow Trapezoidal Channel (1)	
Incoming Item(s)	Res01	
	Res02	
	Res04 West	
Bypass Destination	(None)	
Capacity Type	No Restriction	
Outlets		
Advanced		
Base Infiltration Rate (m/hr)	0.0486	
Side Infiltration Rate (m/hr)	0.0486	
Safety Factor	2.0	
Perimeter	Circular	
Length (m)	100.235	
Friction Scheme	Manning's n	
n	0.05	

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Infiltration Basin 7

Type : Pond

Dimensions		
Exceedance Level (m)	70.700	
Depth (m)	1.200	
Base Level (m)	69.500	
Freeboard (mm)	50	
Initial Depth (m)	0.533	
Porosity (%)	100	
Average Slope (1:X)	4.02	
Total Volume (m³)	3607.953	
Depth (m)	Area (m²)	Volume (m³)
0.000	2690.00	0.000
1.200	3650.00	3789.379
Inlets		
Inlet		
Inlet Type	Point Inflow Fle01	
Incoming Item(s)		
Bypass Destination	(None)	
Capacity Type	No Restriction	
Outlets		
Advanced		
Base Infiltration Rate (m/hr)	0.0107	
Side Infiltration Rate (m/hr)	0.0107	
Safety Factor	2.0	
Perimeter	Circular	
Length (m)	113.339	
Friction Scheme	Manning's n	
n	0.05	

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Infiltration Basin 8

Type : Pond

Dimensions

Exceedance Level (m)	73.000
Depth (m)	1.000
Base Level (m)	72.000
Freeboard (mm)	50
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	4.025
Total Volume (m³)	551.012

Depth (m)	Area (m²)	Volume (m³)
0.000	425.00	0.000
1.000	770.00	589.019

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Res16
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Advanced

Base Infiltration Rate (m/hr)	0.3323
Side Infiltration Rate (m/hr)	0.3323
Safety Factor	2.0
Perimeter	Circular
Length (m)	83.553
Friction Scheme	Manning's n
n	0.05

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Connections Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			

Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Diameter / Base Width (mm)	Height (mm)	Side Slope (1:X)	Curved
Trapezoidal Channel	29.784	Trapezoidal Channel	43.150	0.050	5	400	4.00	☐
Trapezoidal Channel (1)	240.338	Trapezoidal Channel	234.198	0.050	5	500	4.00	☒

Name	Upstream Cover Level (m)	Upstream Invert Level (m)	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)
Trapezoidal Channel	60.500	60.100	59.810	59.410		None	1784.03
Trapezoidal Channel (1)	58.900	58.400	57.874	57.374		None	95.25

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			

Flow Options

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

Pipe Options

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

Manhole Options

Apply Offset	☐
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Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by: MJD	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			

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

Rainfall

FEH	Type: FEH
Site Location	GB 524400 234600 TL 24400 34600
Rainfall Version	2022
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	40.000
30.0	40.000
100.0	40.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			



Summary Results for Infiltration Basin 4: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	69.740	69.741	0.240	0.241	364.4	135.865	0.000	44.350	0.0	0.000	79.404	OK
FEH: 2 years: +40 %: 15 mins: Winter	69.739	69.740	0.239	0.240	342.5	135.381	0.000	44.610	0.0	0.000	79.477	OK
FEH: 2 years: +40 %: 30 mins: Summer	69.778	69.778	0.278	0.278	235.3	158.718	0.000	94.060	0.0	0.000	75.939	OK
FEH: 2 years: +40 %: 30 mins: Winter	69.777	69.778	0.277	0.278	220.9	158.569	0.000	94.310	0.0	0.000	75.962	OK
FEH: 2 years: +40 %: 60 mins: Summer	69.788	69.788	0.288	0.288	200.0	164.983	0.000	190.779	0.0	0.000	74.990	OK
FEH: 2 years: +40 %: 60 mins: Winter	69.788	69.788	0.288	0.288	160.9	164.967	0.000	191.000	0.0	0.000	74.992	OK
FEH: 2 years: +40 %: 120 mins: Summer	69.844	69.844	0.344	0.344	171.2	200.400	0.000	361.125	0.0	0.000	69.621	OK
FEH: 2 years: +40 %: 120 mins: Winter	69.839	69.839	0.339	0.339	123.2	197.449	0.000	361.010	0.0	0.000	70.068	OK
FEH: 2 years: +40 %: 180 mins: Summer	69.851	69.851	0.351	0.351	142.1	204.766	0.000	424.271	0.0	0.000	68.959	OK
FEH: 2 years: +40 %: 180 mins: Winter	69.838	69.838	0.338	0.338	97.9	196.355	0.000	424.221	0.0	0.000	70.234	OK
FEH: 2 years: +40 %: 240 mins: Summer	69.843	69.843	0.343	0.343	121.1	199.626	0.000	467.593	0.0	0.000	69.738	OK
FEH: 2 years: +40 %: 240 mins: Winter	69.819	69.819	0.319	0.319	81.4	184.642	0.000	467.502	0.0	0.000	72.009	OK
FEH: 2 years: +40 %: 360 mins: Summer	69.811	69.811	0.311	0.311	93.0	179.437	0.000	525.050	0.0	0.000	72.798	OK
FEH: 2 years: +40 %: 360 mins: Winter	69.766	69.766	0.266	0.266	61.2	151.475	0.000	525.028	0.0	0.000	77.037	OK
FEH: 2 years: +40 %: 480 mins: Summer	69.770	69.770	0.270	0.270	76.0	154.142	0.000	560.771	0.0	0.000	76.633	OK
FEH: 2 years: +40 %: 480 mins: Winter	69.707	69.707	0.207	0.207	49.2	115.609	0.000	560.726	0.0	0.000	82.474	OK
FEH: 2 years: +40 %: 600 mins: Summer	69.731	69.731	0.231	0.231	63.9	129.891	0.000	586.969	0.0	0.000	80.309	OK
FEH: 2 years: +40 %: 600 mins: Winter	69.653	69.652	0.153	0.152	41.2	83.640	0.000	586.996	0.0	0.000	87.321	OK
FEH: 30 years: +40 %: 15 mins: Summer	70.053	70.055	0.553	0.555	851.3	343.669	0.000	53.622	0.0	0.000	47.902	OK
FEH: 30 years: +40 %: 15 mins: Winter	70.053	70.053	0.553	0.553	799.7	343.216	0.000	53.876	0.0	0.000	47.971	OK
FEH: 30 years: +40 %: 30 mins: Summer	70.159	70.159	0.659	0.659	557.5	421.593	0.000	116.956	0.0	0.000	36.089	OK
FEH: 30 years: +40 %: 30 mins: Winter	70.159	70.160	0.659	0.660	523.2	421.765	0.000	117.022	0.0	0.000	36.063	OK
FEH: 30 years: +40 %: 60 mins: Summer	70.229	70.229	0.729	0.729	473.9	475.552	0.000	244.710	0.0	0.000	27.909	OK
FEH: 30 years: +40 %: 60 mins: Winter	70.232	70.232	0.732	0.732	381.1	478.126	0.000	244.146	0.0	0.000	27.519	OK
FEH: 30 years: +40 %: 120 mins: Summer	70.288	70.287	0.788	0.787	357.5	522.165	0.000	497.037	0.0	0.000	20.843	OK
FEH: 30 years: +40 %: 120 mins: Winter	70.294	70.294	0.794	0.794	257.3	527.766	0.000	495.650	0.0	0.000	19.994	OK

Project: Infiltration Basins Baldock	Date: 01/04/2026			
	Designed by:	Checked by:	Approved By:	
	MJD			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF			

FEH: 30 years: +40 %: 180 mins: Summer	70.284	70.284	0.784	0.784	282.8	519.240	0.000	721.962	0.0	0.000	21.286	OK
FEH: 30 years: +40 %: 180 mins: Winter	70.286	70.286	0.786	0.786	194.9	520.820	0.000	720.497	0.0	0.000	21.047	OK
FEH: 30 years: +40 %: 240 mins: Summer	70.264	70.264	0.764	0.764	234.4	503.241	0.000	904.460	0.0	0.000	23.712	OK
FEH: 30 years: +40 %: 240 mins: Winter	70.259	70.260	0.759	0.760	157.7	499.732	0.000	904.537	0.0	0.000	24.244	OK
FEH: 30 years: +40 %: 360 mins: Summer	70.213	70.213	0.713	0.713	174.0	462.808	0.000	982.188	0.0	0.000	29.841	OK
FEH: 30 years: +40 %: 360 mins: Winter	70.191	70.191	0.691	0.691	114.6	445.283	0.000	982.257	0.0	0.000	32.498	OK
FEH: 30 years: +40 %: 480 mins: Summer	70.160	70.159	0.660	0.659	140.0	421.562	0.000	1032.271	0.0	0.000	36.094	OK
FEH: 30 years: +40 %: 480 mins: Winter	70.116	70.116	0.616	0.616	90.6	389.215	0.000	1032.365	0.0	0.000	40.998	OK
FEH: 30 years: +40 %: 600 mins: Summer	70.107	70.107	0.607	0.607	116.4	382.173	0.000	1068.956	0.0	0.000	42.065	OK
FEH: 30 years: +40 %: 600 mins: Winter	70.044	70.043	0.544	0.543	75.1	336.070	0.000	1069.041	0.0	0.000	49.054	OK
FEH: 100 years: +40 %: 15 mins: Summer	70.182	70.183	0.682	0.683	1078.5	439.457	0.000	57.229	0.0	0.000	33.381	OK
FEH: 100 years: +40 %: 15 mins: Winter	70.182	70.183	0.682	0.683	1013.1	439.457	0.000	57.500	0.0	0.000	33.381	OK
FEH: 100 years: +40 %: 30 mins: Summer	70.321	70.321	0.821	0.821	710.8	549.783	0.000	126.364	0.0	0.000	16.656	OK
FEH: 100 years: +40 %: 30 mins: Winter	70.320	70.321	0.820	0.821	667.1	549.686	0.000	126.360	0.0	0.000	16.671	OK
FEH: 100 years: +40 %: 60 mins: Summer	70.418	70.418	0.918	0.918	608.3	631.924	0.000	267.269	0.0	0.000	4.204	OK
FEH: 100 years: +40 %: 60 mins: Winter	70.422	70.423	0.922	0.923	489.2	635.409	0.000	266.745	0.0	0.000	3.676	OK
FEH: 100 years: +40 %: 120 mins: Summer	70.486	70.486	0.986	0.986	448.2	690.898	0.000	544.928	0.0	0.000	-4.736	Flood Risk
FEH: 100 years: +40 %: 120 mins: Winter	70.495	70.494	0.995	0.994	322.6	699.087	0.000	543.368	0.0	0.000	-5.977	Flood Risk
FEH: 100 years: +40 %: 180 mins: Summer	70.482	70.482	0.982	0.982	352.0	688.048	0.000	796.144	0.0	0.000	-4.304	Flood Risk
FEH: 100 years: +40 %: 180 mins: Winter	70.486	70.486	0.986	0.986	242.6	691.804	0.000	794.040	0.0	0.000	-4.873	Flood Risk
FEH: 100 years: +40 %: 240 mins: Summer	70.462	70.462	0.962	0.962	291.0	669.964	0.000	1016.531	0.0	0.000	-1.562	Flood Risk
FEH: 100 years: +40 %: 240 mins: Winter	70.463	70.463	0.963	0.963	195.7	671.071	0.000	1014.524	0.0	0.000	-1.730	Flood Risk
FEH: 100 years: +40 %: 360 mins: Summer	70.408	70.407	0.908	0.907	215.7	622.184	0.000	1217.853	0.0	0.000	5.681	OK
FEH: 100 years: +40 %: 360 mins: Winter	70.392	70.391	0.892	0.891	142.1	608.992	0.000	1217.920	0.0	0.000	7.681	OK
FEH: 100 years: +40 %: 480 mins: Summer	70.351	70.351	0.851	0.851	173.6	574.493	0.000	1279.473	0.0	0.000	12.911	OK
FEH: 100 years: +40 %: 480 mins: Winter	70.317	70.317	0.817	0.817	112.3	546.631	0.000	1279.615	0.0	0.000	17.134	OK
FEH: 100 years: +40 %: 600 mins: Summer	70.296	70.296	0.796	0.796	144.2	529.282	0.000	1324.141	0.0	0.000	19.764	OK
FEH: 100 years: +40 %: 600 mins: Winter	70.243	70.243	0.743	0.743	93.0	486.531	0.000	1324.265	0.0	0.000	26.245	OK

Project: Infiltration Basins Baldock	Date: 01/04/2026		
	Designed by: MJD	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF		



 Summary Results for Infiltration Basin 6: Rank By: Max. US Depth

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Floode d Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
FEH: 2 years: +40 %: 15 mins: Summer	72.503	72.504	0.203	0.204	1584.5	661.003	0.000	72.029	0.0	0.000	84.245	OK
FEH: 2 years: +40 %: 15 mins: Winter	72.503	72.503	0.203	0.203	1489.0	659.364	0.000	72.500	0.0	0.000	84.284	OK
FEH: 2 years: +40 %: 30 mins: Summer	72.547	72.548	0.247	0.248	1023.2	808.433	0.000	152.364	0.0	0.000	80.731	OK
FEH: 2 years: +40 %: 30 mins: Winter	72.547	72.547	0.247	0.247	960.2	807.685	0.000	152.631	0.0	0.000	80.749	OK
FEH: 2 years: +40 %: 60 mins: Summer	72.584	72.584	0.284	0.284	869.7	930.852	0.000	316.573	0.0	0.000	77.813	OK
FEH: 2 years: +40 %: 60 mins: Winter	72.584	72.585	0.284	0.285	699.4	932.098	0.000	315.739	0.0	0.000	77.784	OK
FEH: 2 years: +40 %: 120 mins: Summer	72.677	72.677	0.377	0.377	744.4	1250.689	0.000	659.584	0.0	0.000	70.190	OK
FEH: 2 years: +40 %: 120 mins: Winter	72.679	72.680	0.379	0.380	535.7	1259.128	0.000	656.491	0.0	0.000	69.989	OK
FEH: 2 years: +40 %: 180 mins: Summer	72.710	72.709	0.410	0.409	617.7	1364.235	0.000	1000.122	0.0	0.000	67.484	OK
FEH: 2 years: +40 %: 180 mins: Winter	72.714	72.714	0.414	0.414	425.7	1378.802	0.000	995.136	0.0	0.000	67.136	OK
FEH: 2 years: +40 %: 240 mins: Summer	72.718	72.718	0.418	0.418	526.6	1394.195	0.000	1334.719	0.0	0.000	66.770	OK
FEH: 2 years: +40 %: 240 mins: Winter	72.724	72.724	0.424	0.424	354.1	1413.905	0.000	1328.662	0.0	0.000	66.300	OK
FEH: 2 years: +40 %: 360 mins: Summer	72.713	72.713	0.413	0.413	404.2	1376.805	0.000	1976.617	0.0	0.000	67.184	OK
FEH: 2 years: +40 %: 360 mins: Winter	72.714	72.714	0.414	0.414	266.2	1380.457	0.000	1973.442	0.0	0.000	67.097	OK
FEH: 2 years: +40 %: 480 mins: Summer	72.698	72.698	0.398	0.398	330.7	1322.764	0.000	2437.965	0.0	0.000	68.472	OK
FEH: 2 years: +40 %: 480 mins: Winter	72.695	72.695	0.395	0.395	214.0	1312.139	0.000	2437.859	0.0	0.000	68.725	OK
FEH: 2 years: +40 %: 600 mins: Summer	72.681	72.681	0.381	0.381	277.9	1263.778	0.000	2551.874	0.0	0.000	69.878	OK
FEH: 2 years: +40 %: 600 mins: Winter	72.672	72.672	0.372	0.372	179.3	1232.004	0.000	2551.858	0.0	0.000	70.635	OK
FEH: 30 years: +40 %: 15 mins: Summer	72.772	72.772	0.472	0.472	3701.4	1583.777	0.000	79.202	0.0	0.000	62.251	OK
FEH: 30 years: +40 %: 15 mins: Winter	72.771	72.771	0.471	0.471	3476.7	1581.938	0.000	79.605	0.0	0.000	62.295	OK
FEH: 30 years: +40 %: 30 mins: Summer	72.889	72.888	0.589	0.588	2423.8	2005.341	0.000	168.517	0.0	0.000	52.203	OK
FEH: 30 years: +40 %: 30 mins: Winter	72.889	72.889	0.589	0.589	2274.8	2006.237	0.000	168.496	0.0	0.000	52.182	OK
FEH: 30 years: +40 %: 60 mins: Summer	72.994	72.994	0.694	0.694	2060.5	2395.211	0.000	352.482	0.0	0.000	42.910	OK
FEH: 30 years: +40 %: 60 mins: Winter	72.994	72.994	0.694	0.694	1657.0	2396.502	0.000	351.324	0.0	0.000	42.880	OK
FEH: 30 years: +40 %: 120 mins: Summer	73.131	73.131	0.831	0.831	1554.3	2916.147	0.000	733.167	0.0	0.000	30.494	OK
FEH: 30 years: +40 %: 120 mins: Winter	73.134	73.133	0.834	0.833	1118.5	2925.472	0.000	729.192	0.0	0.000	30.272	OK

Project: Infiltration Basins Baldock	Date: 01/04/2026		
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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: AKTII White Collar Factory, 1 Old Street Yard London EC1Y 8AF		



FEH: 30 years: +40 %: 180 mins: Summer	73.186	73.186	0.886	0.886	1229.5	3130.205	0.000	1114.257	0.0	0.000	25.392	OK
FEH: 30 years: +40 %: 180 mins: Winter	73.191	73.190	0.891	0.890	847.3	3148.436	0.000	1107.594	0.0	0.000	24.957	OK
FEH: 30 years: +40 %: 240 mins: Summer	73.208	73.208	0.908	0.908	1019.3	3217.122	0.000	1491.539	0.0	0.000	23.320	OK
FEH: 30 years: +40 %: 240 mins: Winter	73.214	73.214	0.914	0.914	685.5	3240.802	0.000	1482.195	0.0	0.000	22.756	OK
FEH: 30 years: +40 %: 360 mins: Summer	73.204	73.205	0.904	0.905	756.3	3202.783	0.000	2227.795	0.0	0.000	23.662	OK
FEH: 30 years: +40 %: 360 mins: Winter	73.214	73.214	0.914	0.914	498.2	3239.999	0.000	2213.597	0.0	0.000	22.775	OK
FEH: 30 years: +40 %: 480 mins: Summer	73.173	73.173	0.873	0.873	608.9	3079.075	0.000	2935.930	0.0	0.000	26.611	OK
FEH: 30 years: +40 %: 480 mins: Winter	73.186	73.186	0.886	0.886	394.0	3130.146	0.000	2917.739	0.0	0.000	25.393	OK
FEH: 30 years: +40 %: 600 mins: Summer	73.138	73.138	0.838	0.838	506.1	2943.401	0.000	3612.601	0.0	0.000	29.844	OK
FEH: 30 years: +40 %: 600 mins: Winter	73.146	73.147	0.846	0.847	326.5	2976.391	0.000	3593.247	0.0	0.000	29.058	OK
FEH: 100 years: +40 %: 15 mins: Summer	72.890	72.890	0.590	0.590	4689.1	2007.858	0.000	81.719	0.0	0.000	52.143	OK
FEH: 100 years: +40 %: 15 mins: Winter	72.889	72.889	0.589	0.589	4404.7	2008.642	0.000	82.125	0.0	0.000	52.124	OK
FEH: 100 years: +40 %: 30 mins: Summer	73.043	73.043	0.743	0.743	3090.3	2578.586	0.000	174.666	0.0	0.000	38.540	OK
FEH: 100 years: +40 %: 30 mins: Winter	73.043	73.043	0.743	0.743	2900.3	2578.345	0.000	174.622	0.0	0.000	38.545	OK
FEH: 100 years: +40 %: 60 mins: Summer	73.182	73.182	0.882	0.882	2644.8	3115.979	0.000	367.019	0.0	0.000	25.731	OK
FEH: 100 years: +40 %: 60 mins: Winter	73.183	73.183	0.883	0.883	2126.9	3119.041	0.000	365.918	0.0	0.000	25.658	OK
FEH: 100 years: +40 %: 120 mins: Summer	73.337	73.337	1.037	1.037	1948.8	3733.124	0.000	764.441	0.0	0.000	11.022	OK
FEH: 100 years: +40 %: 120 mins: Winter	73.340	73.339	1.040	1.039	1402.4	3741.272	0.000	760.561	0.0	0.000	10.827	OK
FEH: 100 years: +40 %: 180 mins: Summer	73.405	73.405	1.105	1.105	1530.5	4008.406	0.000	1163.831	0.0	0.000	4.460	OK
FEH: 100 years: +40 %: 180 mins: Winter	73.409	73.409	1.109	1.109	1054.8	4026.048	0.000	1157.202	0.0	0.000	4.040	OK
FEH: 100 years: +40 %: 240 mins: Summer	73.436	73.436	1.136	1.136	1265.3	4136.713	0.000	1560.445	0.0	0.000	1.402	OK
FEH: 100 years: +40 %: 240 mins: Winter	73.442	73.441	1.142	1.141	850.9	4160.512	0.000	1551.172	0.0	0.000	0.835	OK
FEH: 100 years: +40 %: 360 mins: Summer	73.447	73.447	1.147	1.147	937.9	4183.401	0.000	2337.674	0.0	0.000	0.289	OK
FEH: 100 years: +40 %: 360 mins: Winter	73.456	73.456	1.156	1.156	617.8	4219.735	0.000	2323.450	0.0	0.000	-0.577	Flood Risk
FEH: 100 years: +40 %: 480 mins: Summer	73.424	73.424	1.124	1.124	754.8	4087.628	0.000	3088.728	0.0	0.000	2.572	OK
FEH: 100 years: +40 %: 480 mins: Winter	73.437	73.437	1.137	1.137	488.4	4141.298	0.000	3069.786	0.0	0.000	1.293	OK
FEH: 100 years: +40 %: 600 mins: Summer	73.388	73.387	1.088	1.087	627.0	3935.012	0.000	3811.123	0.0	0.000	6.210	OK
FEH: 100 years: +40 %: 600 mins: Winter	73.403	73.403	1.103	1.103	404.5	3999.887	0.000	3788.295	0.0	0.000	4.663	OK