

SCP Designers Responses - LLFA Comments review

Following receipt of the DCC letter dated 6th May 2026 [refer to Appendix P] – the below summary of SCP responses aims to show all the LLFA comments have been addressed, with the re-submission Flood Risk Assessment and Drainage Strategy report Revision A.

SCP responses letter added to [Appendix Q – Designers Responses to LLFA](#).

SCP liaised with the LLFA and held a meeting discussing and agreeing the updates on 09.07.26, also at this time the new swales were presented due to updates required for water quality standards and these were accepted by the LLFA as betterment.

Item	DCC LLFA comment	SCP Response
1	Update full modelled scenarios for event durations up to the 24 hour (or longer where required) for the 1 in 1 year, 1 in 30 year and 1 in 100 year plus climate change return periods with results ideally showing critical details only for each return period	As requested, we have run the simulations for all the durations , and we can advise that all the simulation results are still acceptable against expectations and standards. [together and co-ordinated with item 2 and item 3] Refer to Appendix K of the updated FRA+DS Rev A report
2	A safety factor used between 3 to 10 in line with CIRIA C753 Table 25.2	Safety Factor table reviewed in CIRIA C753, and we have updated and reviewed our drainage models at Safety Factor 5 , and we can advise that all the simulation results are still acceptable against expectations and standards. A safety factor of 10 determines that damage would be caused to buildings or structures as a consequence if the infiltration basin failing. 1.5 is classified as no damage or inconvenience. As a conservative approach 5 has been tested which is classified as minor damage to external areas. Refer to Appendix K of the updated modelling V2 in the FRA+DS Rev A report
3	Updated in line with DCC's Drainage calculation guide (attached for reference	As requested, in co-ordination with the DCC LLFA drainage calculation guide v1.2, SCP have co-ordinated the drainage parameters in the modelling against the guidance document. • CV 1 • Design return period 1 • Time of entry 5 • Max rainfall rate – max • Urban creep – 10% ○ An allowance of 10% urban creep has been assumed in the proposed strategy. This has been applied by adding 10% to all roof areas across the site. • Areal reduction factor 1

		• Madd factor 0 • Storage volume 0 • Simulation results 1 yr, 2 yr, 30 yr, 30+cc, 100, 100 +cc • Infiltration is site specific • Safety factor to be set to 5 • Full duration simulations
4	Details of a management and maintenance plan for the proposed surface water drainage system.	As requested, we have prepared a M&M plan, and this can be found in <i>Appendix R of the updated FRA+DS Rev A report</i>