

TECHNICAL DESIGN NOTE

Project Name	Kidlington Planning Application 22/03883/F
Design Note Title	PDP response to LLFA
Document Reference	571-LLFA-001
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LLFA comment - Appendices is missing at the back of the FRA

Due to file size the FRA report (text only) was uploaded separately to the appendices. All appendices have now been uploaded by the applicant, there are a total of 10 appendices labelled A to Appendix J. Please note there may be more than one document within some of the Appendices.

LLFA comment - Detailed drainage strategy drawing to be provided. Invert and cover levels of all proposed SuDS/drainage infrastructure to be provided. Pipe numbering to be shown on the drainage plan and read in line with the calculations. Drainage design around the private plots to be provided.

The drainage strategy (SuDS) is shown on Drawing 571-P-010 "Drainage Strategy" (FRA Appendix E). Pipe numbers for calculation are shown on drawing No.571-P-505 "Surface Water Catchment Plan" (FRA Appendix J)

All appendices have now been uploaded by the applicant. The scheme details all public drainage designs. Any private plot drainage is to be drawn post planning and conditioned if deemed necessary.

LLFA comment - SuDS construction details drawing to be provided.

The drainage strategy and FRA outlines how the SuDS features on site have been calculated and adequately sized and will support the delivery of the application. Details of these SUDs will be provided as part of the detailed design and conditioned if deemed necessary.

LLFA comment - Consent to discharge surface water at the existing ditch to be provided. Capacity to be confirmed of the existing ditch and whether it can take the proposed loads

Consent to discharge will be applied for (Land Drainage Consent) during the detailed design phase. The existing surface water run-off from the greenfield site currently discharges to the existing ditch that the SuDS is outfalling and therefore the proposed SW run-off from the site is replicating the existing SW run-off. The proposed SW run-off has been restricted to the Qbar greenfield run-off rate providing significant reduced SW run-off post development.

LLFA comment - Surface water catchment plan to be provided. Showing the extent of the impermeable area and stating the area. Also state the area with 10% urban creep.

Surface Water Catchment Plan is shown on drawing No.571-P-505 - "Surface Water Catchment Plan" (FRA Appendix J).

Please find attached updated drawing labelled "FRA - Appendix J - 571-P-505-A - Surface Water Catchment Area Plan" showing 10% urban creep added.

Also attached are updated micro-drainage simulations with urban creep added.

LLFA comment - Detailed calculations to be provided for all drainage infrastructure and SuDS features. Calculations for all storm events up to and including the 1:100 year storm event plus 40% climate change to be provided.

Micro-drainage simulation has been included within Appendix F of the FRA and show all storm events up to and including the 1:100 year storm event plus 40% climate change.

However, these have now been updated to take into account 10% urban creep, please find attached updated simulations labelled "FRA - Appendix F - Attenuation Pond 1 Simulations Rev A" and FRA – "Appendix F - Attenuation Pond 2 Simulations Rev A".

LLFA comment - Ground investigation report to be provided and infiltration testing results according to BRE 365.

Ground investigation report will be uploaded to planning portal to confirm infiltration rates.