

FAO: Rahul Dixit
Wiltshire Council Drainage

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PLANNING CONSULTATION RESPONSE TECHNICAL NOTE

Proposal: *Discharge of conditions 7 (Lighting), 9 (SUDS), 10 (CEMP), 12 (LEMP), 13 (Contamination) and 16 (Archaeology) relating to application 20/00379/OUT following Appeal Ref: 3321957.*

Dear Ragul,

This Technical Note has been prepared in response to your consultation notes ref Drainage-PL/2026/01153 (outlined below). We have responded to these comments in [blue](#).

Groundwater:

Noting the groundwater FRA (April 2021) has been provided, the applicant must provide details of how the proposed SuDS features will be designed to prevent groundwater ingress from the high groundwater tables observed.

A 300mm liner using site won clay will be installed beneath any SuDS feature to prevent groundwater ingress. A detail is shown on the SuDS Sections drawing (dwg 0567) and a note has been added to the Drainage Strategy drawings (dwgs 0512.1-0512.3)

Water Quality:

It is noted that proposed attenuation ponds will likely provide a water quality benefit to surface water runoff. The applicant must submit calculations to demonstrate that the proposed drainage design provides a sufficient level of water quality treatment to prevent pollution of the receiving watercourse.

Please refer to Section 1.3 of the Drainage Technical Note (Report Ref. 0661). It can be seen that the level of water treatment achieved is well in excess of the requirements.

Detailed Surface Water Drainage Design:

The drainage proposals currently provide limited numbers of SuDS features. The design does not currently consider the use of source-control devices, (such as raingardens, bioretention areas, green roofs), or green-blue infrastructure corridors (including ditches, swales) which could provide multi-faceted benefits of managing water quantity and quality as well as promoting amenity and biodiversity throughout the development. In order to improve the character and quality of the area and the

development's climate change resilience the applicant is required to incorporate additional SuDS features across the development which provide benefits to water quantity, quality, amenity and biodiversity benefit.

These comments are noted and the scheme now includes rain gardens for roads and plot drainage. Please refer to the revised Drainage Strategy drawing.

The applicant must submit revised drainage layout drawings and calculation documents ensuring consistency.

We understand there is consistency between the layouts and the calculations. There will be small discrepancies in the ponds/basins areas as it is well known short pipes in Microdrainage cause model instabilities, so the model cannot be a exact copy of the layout. Storage requirements, flow controls and pipe sizes will be consistent. There isn't an attenuation tank in this scheme, so we would like to query this.

Overland Exceedance Routing

It is noted the applicant has provided drainage exceedance plans, however further detail is required. Currently, exceedance flow arrows are provided along the highway and plots, however the applicant must demonstrate where flow will be directed across the extent of the site (e.g. green box).

This is required to demonstrate the applicant has considered how overland exceedance flows may impact adjacent people & property and mitigated any flood risk.

The applicant must also outline how exceedance in rear properties will be safely managed and safely disposed of across the site (e.g. orange boxes).

We have reviewed the levels design and adjusted FFLs/external levels where required. The plan has been updated to show how exceedance runoff will move away from the development.

Construction Phase Management Plan

The applicant is required to submit a construction phase management plan to demonstrate how surface water quantity and quality will be managed throughout construction in order to prevent an increase in flood risk and / or contamination of the receiving watercourses, and adjacent nature reserve.

Please refer to the Wainhomes Construction and Environmental Management Plan.

Yours sincerely,

Francisco Alguacil
Director

For and on behalf of CLFA Design Limited