TO:	Horsham District Council – Planning Dept
LOCATION:	Oreham Manor Farm Oreham Common Henfield West Sussex
DESCRIPTION:	Approval of details reserved by conditions 5, 6, 7 and 8 to approved application DC/25/1827
REFERENCE:	DISC/26/0307
RECOMMENDATION:	More Information

SUMMARY OF COMMENTS & RECOMMENDATION:

The following documents have been reviewed:

- Drainage Design, Dated: September 2023, Author: EAS Ltd

There is a lack of clarity around the existing and the proposed development (and associated areas of hardstanding) on site and within the redline boundary.

The applicant has not provided details of the simple index approach for pollution mitigation.

As the raingardens are the sole SuDS feature for the mitigation of pollution from roofs and areas of hardstanding (exact areas unknown), they must be designed appropriately. There is a lack of information on their design, size, length, depth etc… Additionally, no indication of existing groundwater level on site has been provided which is a concern. If the raingarden is to be unlined, the applicant must confirm that the expected winter groundwater levels are a minimum of 1m below the base of the rain garden.

The proposals include use of an existing Klargester sewage treatment plant, but include the design of a new drainage field, as such, post planning approval, the applicant must obtain appropriate permits from the Environment Agency. Service history of the existing Klargester should be provided to the council for review. **Planning to note, the unit is only able to cater to 15 people.**

The location of the proposed raingardens is unclear. The drainage field for foul must be located at an appropriate distance from the raingardens. All proximities must be confirmed in accordance with Building Regulations, Approved Document H. (Drainage field must be located at least 15m from a building, 10m from a watercourse etc… HDC Drainage expect to see 10m between the proposed drainage field and the proposed raingardens.)

HDC Drainage are not satisfied with the Drainage/ Layout – Figure 2, provided.

HDC Drainage require more information to determine that the site drainage meets the requirements of the NPPF and PPG, National standards for sustainable drainage systems (June 2025), and the Horsham District Planning Framework (2015) – Policy 35 and Policy 38.

MAIN COMMENTS:

The details required for a Foul and Surface Water Drainage Strategy include:

- The applicant must provide a site-specific assessment of flood risk, even where a full flood risk assessment is not required.
- The applicant must demonstrate an understanding of how surface water currently flows across the site under 'normal' conditions and during rainfall events, providing an assessment of the current and proposed drainage patterns entering the site, within the site and leaving the site.

- The applicant should provide a measurement of the total site area, all pre-development permeable and impermeable areas within the red line boundary, all post-development permeable and impermeable areas within the red line boundary, with supporting catchment plans and calculations.
- A fully designed surface water management strategy should include:
    - The aim to achieve and better greenfield runoff rates and adherence to the drainage hierarchy.
    - Rationale for SuDS selected in line with the Horsham District Planning Framework (2015) – Policy 38, and industry best practice such as The SuDS Manual (C753).
- The method of foul and surface water disposal must be confirmed in line with the drainage hierarchy (Building Regulations Part H).
- The following flow and volume rates must be provided:
    - existing runoff rates during a 100% Annual Exceedance Probability (AEP), 3.33% AEP, 1% AEP storm events
    - post development discharge rates during a 100% AEP, 3.33% AEP, 1% AEP and 1% AEP + 45% for Climate Change storm events
    - greenfield runoff rate (QBAR)
    - water storage capacity volumes of the proposed drainage features, to attenuate the 1% AEP + climate change storm event (see details below).
- The runoff from the proposed development should, where possible, be restricted to the greenfield 1 in 1 year runoff rate (100% AEP) during all events up to and including the 1 in 100-year rainfall event (1% AEP) + 45% allowance for climate change. Where this is not possible, the runoff from the proposed development should restrict flows to as close as reasonably practical to the greenfield runoff rate for the site.
- The surface water drainage strategy must demonstrate that the proposed SuDS attenuate all runoff from <u>all</u> impermeable areas (with an additional area equivalent to +10% of the area of any residential development, factored into the sum of the total impermeable areas on site, allowing for urban creep) for the 1 in 100-year rainfall event (1% AEP) + 45% allowance for climate change (upper end). Attenuation should be provided on site to ensure that:
    - The 100% AEP storm event does not generate excessive surcharging in the drainage system.
    - The 3.33% AEP storm event is safely contained underground with no flooding.
    - The 1% AEP + climate change storm event is safely contained within the site without risk to persons or property.
- Where infiltration discharge methods are proposed (soakaways/swales etc…), the applicant must provide testing in accordance with BRE365, at the location and depth of the proposed devices.
- Where infiltration testing has not been undertaken, provide an infiltration assessment, supported by a desk-based assessment of soil types, geology and suitability for infiltration potential (See the Horsham District Council Local Plan evidence base), together with an alternative option for surface water disposal.
- If a ditch and/or watercourse is present on site, an assessment of each feature must be provided, to identify whether the feature is expected...
    - to contain flowing water throughout the year (unless there is a drought or an unusually long period of dry weather). The range of expected water levels should be provided.

- to seasonally dry up
- to stay dry for most of the year.

- If a ditch and/or watercourse is present on site, context must be provided regarding the connectivity of the ditch and/or watercourse to waterways within in the wider landscape, as well as influences which might affect water levels in the feature, both upstream and downstream.
- If a ditch and/or watercourse is present on site, the applicant must demonstrate that a visual inspection of the ditch and/or watercourse has been undertaken, providing a detailed summary of site conditions on the day of assessment with supporting photographs.
- If a ditch and/or watercourse is present on site or along the boundary of the site, the applicant must demonstrate ownership of the ditch/ watercourse.
- If a ditch and/or watercourse is to be the intended outfall location for surface water and/or treated effluent from a Package Treatment Plant (PTP) / Sewage Treatment Plants System, the applicant must obtain permission from the landowner for use of that feature.
- The applicant must provide evidence of measures to prevent pollution of the receiving groundwater and/or surface water.
- The applicant must provide plans which indicate the expected exceedance routes for storm events greater than the 1% AEP + climate change storm event. The Drainage Strategy must demonstrate that the surface water runoff from these events can be controlled, to confirm there is no adverse flood risk to the development or elsewhere. Evidence of appropriate management and mitigation of exceedance flows are expected within the Drainage Strategy, to demonstrate that the proposed conveyance systems have considered the risks associated to nature, people and property during the event of failure and/or exceedance.
- Supporting foul flow calculations, in line with Sewerage Sector Guidance and/or Building Regulations Part H, is to be provided. It should be noted that any proposed foul water system and foul water treatment unit should be in line with current legislation and best practice for the management of domestic waste, with any method for disposal justified and appropriate permits sought.
- Maintenance and Management Plans must be provided for both the proposed Foul and Surface Water Drainage Strategy, including access requirements, maintenance frequency and responsibility, and proprietary device manuals, for all drainage features and SuDS devices.

Further evidence in addition to that requested above may be required once the additional information is submitted.

Advisory notes:

- FEH22 data must be used, not FSR. CV Summer and Winter values must be 1.
- In addition to Planning Permission, the applicant will require a permit to discharge treated foul water to a water body or to ground from the Environment Agency. Please be advised, as the infiltration rate is acknowledged to be poor on site, Percolation Testing (BS6297) is advised, as this will be a requirement of the Environment Agency should the applicant need to apply for an environmental permit.
- Whilst not a mandatory requirement, HDC Drainage welcome and encourage the consideration of rainwater harvesting within the proposed development, for non-potable use.

ANY RECOMMENDED CONDITIONS: NA	
NAME:	A.Furness
DEPARTMENT:	Horsham District Council - Drainage
DATE:	09/10/2026