

NORTH YORKSHIRE COUNTY COUNCIL
BUSINESS and ENVIRONMENTAL SERVICES
LEAD LOCAL FLOOD AUTHORITY
CONSIDERATIONS and RECOMMENDATION



Application No:	19/00772/MOUT LLFA		
Proposed Development:	Residential development of up to 45no. dwellings with formation of access off Swineherd Lane (site area 1.3ha) - approval sought for access		
Location:	Land Off Swineherd Lane Swineherd Lane Kirkbymoorside North Yorkshire		
Applicant:	W&W Estate Ltd (Mr Dan Warrington)		
District/Borough:	Ryedale District Council		
FRM Engineer:	Seraya Simcoe	LPA Case Officer:	Karen Hood

Note to the Planning Officer:

Thank you for consulting the Lead Local Flood Authority on the planning application referenced above.

The following documents are noted:

- Detailed Flood Risk Assessment & Sustainable Drainage Strategy, Flood Risk Management LTD, Revision C, Dated April 2019.

In assessing the submitted proposals and reaching its recommendation the Authority would like to make the following comments:

- **Runoff Destinations**

The FRA is unclear as to the exact location of discharge. Infiltration has been ruled out due to clay type soil, therefore the FRA makes reference to an adopted surface water sewer discharging to an unnamed ordinary watercourse to the east of the development. The design and access statement refers to the east of the development as a ditch. The applicant needs to clarify where said watercourse leads to and provide a topographical survey showing where the watercourse runs. The discharge of surface water must not increase the risk of flooding to other surrounding areas.

Date:	1 August 2019	Approved by:	Emily Mellalieu Flood Risk Management Team Leader
FAO:	Karen Hood		
Issued by:	Seraya Simcoe		



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- **Flood Risk**

The site is in Flood Zone 1 with a low risk of surface water flooding, meaning that each year this area has a chance of flooding of between 0.1% and 1%. Flooding from surface water is difficult to predict as rainfall location and volume are difficult to forecast.

- **Peak Flow Control**

According to the FRA it is assumed flow rates will be restricted to 3.5l/s due to Yorkshire Waters accepted discharge rates. Yorkshire water approval in principle is required to confirm this.

- **Designing for Exceedance**

An exceedance plan is required to show overland flow during an extreme flood event. Site design must be such that when SuDS features are exceeded due to failure caused by blockages or collapsed pipes or when the system is overwhelmed by excessive flood flows, the exceedance flows do not cause flooding of properties on or off site. This is achieved by designing suitable ground exceedance or flood pathways.

Rainfall in excess of a 1 in 100 year rainfall that exceeds the designed SuDS scheme must not flood any properties or essential infrastructure (pumping station, junction boxes, etc.) and any exceedance flows are managed within the site that avoid risk to people and property both on and off site, with the design of the site mindful of the topographic levels and highway requirements (cross fall, dropped kerbs) as to not cause flooding to properties from exceedance flood flows.

Recommendation to the Local Planning Authority:

The submitted documents are limited in detail and the LLFA recommends that the applicant provides further information before any planning permission is granted by the LPA. The following should be submitted and approved by the Local Planning Authority;

- Topographical survey clearly showing the watercourse the proposed surface water discharge is to run to, along with clarification as to where the unnamed watercourse leads to.
- Evidence of agreement in principle with Yorkshire Water for surface water sewer adoption.
- An exceedance plan showing the overland flow routes during an extreme flood event.

The scheme to be submitted shall demonstrate that the surface water drainage system(s) are designed in accordance with the standards detailed in North Yorkshire County Council SuDS Design Guidance (or any subsequent update or replacement for that document).

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