

WEST SUSSEX COUNTY COUNCIL CONSULTATION

TO:	Arun District Council FAO: Raymond Cole
FROM:	WSCC – Lead Local Flood Authority
DATE:	22 nd February 2021
LOCATION:	Land south of Barnham Station Barnham
SUBJECT:	BN/142/20/OUT Outline planning application with all matters reserved, other than principal means of access, for up to 200 No. dwellings, with access taken from Marshall Close, associated infrastructure & landscaping & demolition of existing buildings. This application is a Departure from the Development Plan, may affect the setting of listed buildings, may affect the Church Lane, Barnham Conservation Area & affects a Public Right of Way
RECOMMENDATION:	Advice – No objection

West Sussex County Council (WSCC), in its capacity as the Lead Local Flood Authority (LLFA), has been consulted on the above proposed development in respect of surface water drainage.

The following is the comments of the LLFA relating to surface water drainage and flood risk for the proposed development and any associated observations, recommendations and advice.

Flood Risk Summary

Current surface water flood risk based on 30year and 100year events	Moderate risk
Comments: Current surface water mapping shows that the majority of the proposed site is at low risk from surface water flooding although a band of higher risk can be found on the eastern side of the site . This risk is based on modelled data only and should not be taken as meaning that the site will/will not definitely flood in these events. Any existing surface water flow paths across the site should be maintained and mitigation measures proposed for areas at high risk. Reason: NPPF paragraph 163 states – ‘When determining any planning application, local planning authorities should ensure flood risk is not increased elsewhere.’	
Modelled groundwater flood hazard classification	Moderate risk
Comments: The area of the proposed development is shown to be at moderate risk from groundwater flooding based on current mapping. This risk is based on modelled data only and should not be	

taken as meaning that the site will/will not suffer groundwater flooding.

Ground water contamination and Source Protection Zones.

The potential for ground water contamination within a source protection zone has not been considered by the LLFA. The LPA should consult with the EA if this is considered as risk.

Watercourses nearby?	Yes
Comments: Current Ordnance Survey mapping shows an ordinary watercourse and main river run along the boundary of the site. Local or field boundary ditches, not shown on Ordnance Survey mapping, may exist around or across the site. If present these should be maintained and highlighted on future plans. Works affecting the flow of an ordinary watercourse will require ordinary watercourse consent and an appropriate development-free buffer zone should be incorporated into the design of the development.	

Records of any surface water flooding within the site?	No
Comments: We do not have any records of historic surface water flooding within the confines of the proposed site. This should not be taken that the site itself has never suffered from flooding, only that it has never been reported to the LLFA. Other locations within Barnham, to the east and north of the site, experienced surface water flooding in June 2012.	

Future development - Sustainable Drainage Systems (SuDS)

The Flood Risk Assessment and Drainage Strategy for this application proposes that sustainable drainage techniques (permeable paving, swale and attenuation basins) would be used to control the surface water from this development.

Groundwater monitoring should be undertaken, in conjunction with the ADC Drainage Engineer, to see if infiltration can be incorporated into the drainage designs.

The EA and Southern Water should be consulted.

All works to be undertaken in accordance with the LPA agreed detailed surface water drainage designs and calculations for the site, based on sustainable drainage principles.

The maintenance and management of the SuDS system should be set out in a site-specific maintenance manual and submitted to, and approved in writing, by the Local Planning Authority. The scheme shall subsequently be implemented in accordance with the approved designs.

Please note that Schedule 3 of the Flood and Water Management Act 2010 has not yet been implemented and WSCC does not currently expect to act as the SuDS Approval Body (SAB) in this matter.

Kevin Brook
Flood Risk Management Team