

WEST SUSSEX COUNTY COUNCIL CONSULTATION

TO:	Arun District Council FAO: Michael Eastham
FROM:	WSSC – Lead Local Flood Authority
DATE:	27 th September 2019
LOCATION:	Bridge Cottage Lidsey Road Bognor Regis PO22 9PH
SUBJECT:	AL/75/19/PL Construction of 8 no. dwellings, alterations to access and associated works
RECOMMENDATION:	Advice – No objection

West Sussex County Council (WSSC), 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	Low risk
Comments: Current surface water mapping shows that the majority of the proposed site is at low risk from surface water flooding although there is a small area in the north-west section of the site which is a higher risk. 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	High risk
Comments: The area of the proposed development is shown to be at high 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.	

Ordinary Watercourses nearby?	No
Comments: Current Ordnance Survey mapping shows no ordinary watercourses in close proximity to 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 historic flooding within the site?	Yes
Comments: While we have no records of historic surface water flooding within the confines of the proposed site, we are aware of carriageway flooding adjacent to the site.	

Future development - Sustainable Drainage Systems (SuDS)

The Flood Risk Assessment included with this application states that permeable paving and infiltration would be used to control the surface water runoff from the site.

As per the District Drainage Engineer's comments, further infiltration/winter groundwater monitoring should be undertaken to ensure that it is possible to adequately drain this site.

Due to the historic highway flooding at this location, any widening or changing of the carriageway at this location would need to be carefully considered and future designs to show how any additional surface water will be managed.

Development should not commence until finalised detailed surface water drainage designs and calculations for the site, based on sustainable drainage principles, for the development have been submitted to and approved in writing by the Local Planning Authority. The drainage designs should demonstrate that the surface water runoff generated up to and including the 100 year, plus climate change, critical storm will not exceed the run-off from the current site following the corresponding rainfall event.

Development shall not commence until full details of the maintenance and management of the SuDS system is 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