

**WEST SUSSEX COUNTY COUNCIL
FLOOD RISK MANAGEMENT CONSULTATION**

DATE: 14/02/2017

FROM: Kevin Brook

**TO: Arun District Council
FAO: Mr D Innes**

PLANNING REFERENCE: P/6/17/OUT

LOCATION: Land North of, Hook Lane, Pagham, West Sussex

RECOMMENDATION:

Advice	☒	Modification	☐	More Information	☐
Objection	☐	No Objection	☒	Refusal	☐

West Sussex County Council (WSSCC), 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, advice and conditions.

Flood Risk Summary

Modelled surface water flood risk	Low risk
Comments: Current uFMfSW mapping shows the majority of the proposed site being at low risk from surface water flooding. There are areas of higher risk show near the watercourses and Farm Gate Cottage. 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. However the surface water management strategy should consider this risk and any suitable mitigation measures if appropriate. Any existing surface water flow paths across the site should be maintained or appropriate mitigation strategies proposed.	

Modelled ground water flood risk susceptibility	High risk
Comments: The area of the proposed development is shown to be at high risk from ground water flooding based on the current mapping. 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.	

Records of any historic flooding?	Yes
Comments: We do not have any records of historic flooding within the confines of the proposed site but in June 2012 Hook Lane and the surrounding area suffered extensive flooding http://www2.westsussex.gov.uk/osd/flood/final_report.pdf	

Ordinary watercourses within the site?	Yes
Comments: Current Ordnance Survey mapping shows ordinary watercourses within the site boundary No development should take place within 3m of any ordinary watercourse. If works are undertaken within, under, over or up to an Ordinary Watercourse, even if this is temporary, an Ordinary Watercourse Consent (OWC) may need to be applied for from the District Council.	

Future development - Sustainable Drainage Systems (SuDs)

The FRA/Drainage Strategy included with this application confirms that swales/attenuation with a restricted outfall to the watercourse would be used to control the run off from the development to pre-development Greenfield run-off rates. If, after winter groundwater monitoring has taken place, infiltration is proved not to be feasible this method, in principle, would meet the requirements of the NPPF, PPG and associated guidance documents.

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