

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

DATE: 19th June 2017

FROM: Kevin Brook

**TO: Arun District Council
FAO: Michael Eastham**

SUBJECT: A/99/17/OUT

LOCATION: Land South of, Water Lane, Angmering

RECOMMENDATION:

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

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 detailed comments of the LLFA relating to surface water drainage and flood risk for the proposed development and any associated observations, advice and conditions.

Current surface water flood risk based on uFMfSW:	Moderate risk
Comments: Current uFMfSW mapping shows the majority of the site is at a low risk from surface water flooding but there is high risk in the north of the site associated with the Black Ditch. Any existing surface water flow paths across the site must be maintained. Reason: NPPF paragraph 103 states – ‘When determining planning applications, local planning authorities should ensure flood risk is not increased elsewhere..’ Therefore, a wholesale site level rise via the spreading of excavated material should be avoided. Any excavated material kept on site should be located in areas designed and designated for that purpose.	

Modelled groundwater flood hazard classification:	Moderate risk
Comments: The northern portion of the proposed development site is shown to be at low risk from ground water flooding, whereas the southern side of the site is at high risk. Where the intention is to dispose of surface water via infiltration / soakaway, these should be shown to work through an appropriate assessment carried out under BRE Digest 365. 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 ordinary/culverted watercourses within or in close vicinity to the site:	Yes
Comments: Current Ordnance Survey mapping shows no ordinary watercourses within the site boundary although the Black Ditch (main river) runs through the north of the site. Local or field boundary ditches, not shown on Ordnance Survey mapping, may exist around the site. If present these should be maintained and highlighted on future plans. No development should take place within 5m of any ordinary watercourse and access of future maintenance must be considered during planning. 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 or Borough Council.	

Records of any historic flooding within the site or within close vicinity to the site:	Yes
Comments: We are aware that the adjacent roads, Water Lane and Weavers Hill, have been subject to historic flooding in the past.	

Future development - Sustainable Drainage Systems (SuDs)

The FRA included with this application states that, a combination of infiltration and attenuation techniques would be used with attenuated discharge to the Black Ditch for the northern parcel. This discharge would require EA consent.

Approved Document Part H of the Building Regulations 2000 establishes a hierarchy for surface water disposal, which encourages a SuDs approach beginning with infiltration whenever possible e.g. soakaways, permeable paving or infiltration trenches. Infiltration techniques should be fully explored for the whole site.

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 1 in 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