PUBLIC

Flood Risk Management
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Our ref AVBC/21/91
Your ref AVA/2021/1211
Date 09 December 2021

Good Afternoon,

Proposal: Proposed dwelling and detached garage

Location: Land Adjacent To The Croft, Somme Road, Allestree, Derby Derbyshire

Application reference **AVA/2021/1211**

No objections in principle		Conditions Recommended	
No Comment	X	Objection Recommended	

Derbyshire County Council as the Lead Local Flood Authority (LLFA) has reviewed the information submitted for this application, which was received on 15-November 2021. As this is a minor application the Lead Local Flood Authority (LLFA) has no formal comment to make and would refer the applicant to our informative notes below.

Advisory/Informative Notes (It should be noted that the information detailed below (where applicable), will be required as an absolute minimum in order to discharge any of the drainage conditions set by the LPA):

A. The County Council does not adopt any SuDS schemes at present (although may consider ones which are served by highway drainage only). As such, it should be confirmed prior to commencement of works who will be responsible for SuDS maintenance/management once the development is completed.

B. Any works in or nearby an ordinary watercourse may require consent under the Land Drainage Act (1991) from the County Council. For further advice, or to make an application please contact Flood.Team@derbyshire.gov.uk.

C. No part of the proposed development shall be constructed within 5-8m of an ordinary watercourse and a minimum 3 m for a culverted watercourse (increases with size of culvert). It should be noted that DCC have an anti-culverting policy.

D. The applicant should be mindful to obtain all the relevant information pertaining to proposed discharge in land that is not within their control, which is fundamental to allow the drainage of the proposed development site.

E. The County Council would prefer the applicant to utilise existing landform to manage surface water in mini/sub-catchments. The applicant is advised to contact the County Council's Flood Risk Management team should any guidance on the drainage strategy for the proposed development be required.

F. The applicant should provide a flood evacuation plan which outlines:

- The flood warning procedure
- A safe point of extraction
- How users can safely evacuate the site upon receipt of a flood warning
- The areas of responsibility for those participating in the plan
- The procedures for implementing the plan
- How users will be made aware of flood risk
- How users will be made aware of flood resilience
- Who will be responsible for the update of the flood evacuation plan

G. Flood resilience should be duly considered in the design of the new building(s) or renovation. Guidance may be found in BRE Digest 532 Parts 1 and 2, 2012 and BRE Good Building Guide 84.

H. Surface water drainage plans should include the following:

- Soakaways, including size and material.
- Typical inspection chamber / soakaway / silt trap and SW attenuation details.
- Site ground levels and finished floor levels.

- Details of how the on-site surface water drainage systems shall be maintained and managed after completion and for the lifetime of the development to ensure the features remain functional.

I. If infiltration systems are to be used for surface water disposal, the following information must be provided:

- Ground percolation tests to BRE 365.

- Ground water levels records. Minimum 1m clearance from maximum seasonal groundwater level to base of infiltration compound. This should include assessment of relevant groundwater borehole records, maps and on-site monitoring in wells.

- Soil / rock descriptions in accordance with BS EN ISO 14688-1:2002 or BS EN ISO 14689-1:2003.

- Volume design calculations to 1% probability annual rainfall event + 40% climate change standard. An appropriate factor of safety should be applied to the design in accordance with CIRIA C753 – Table 25.2.
- Location plans indicating position (soakaways serving more than one property must be located in an accessible position for maintenance). Soakaways should not be used within 5m of buildings or the highway or any other structure.
- Drawing details including sizes and material.
- Details of a sedimentation chamber (silt trap) upstream of the inlet should be included.

Soakaway detailed design guidance is given in CIRIA Report 753, CIRIA Report 156 and BRE Digest 365.

Yours sincerely

[redacted]

John Vilas
Flood Risk Management Technician