



Flood Risk Management
 Derbyshire County Council
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 Matlock, Derbyshire
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Development Services
 High Peak Borough Council
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 Buxton
 SK17 1AQ

Telephone
 Ask for
 Email
 Our ref HPBC/2024/47
 Your ref HPK/2023/0192
 Date 19 March 2025

Dear Rachael

Proposal: Construction of 99 dwellings with associated landscaping and engineering works

Location: Land at Hogshaw, Fairfield, Buxton

Application reference HPK/2023/0192

No objections in principle		Conditions Recommended	X	Objection Recommended	
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Derbyshire County Council as the Lead Local Flood Authority (LLFA) has reviewed the information submitted for this application, which was received on 29/01/2025. The LLFA has no objection subject to the conditions below.

To ensure adherence to National Planning Policy Framework, DEFRA's Non-statutory technical standards for sustainable drainage systems and local guidance, these recommended conditions should not be altered without consulting the County Council Flood Risk Management team.

1. "No development shall take place until a detailed design and associated management and maintenance plan of the surface water drainage for the site, in accordance with the principles outlined within:
 - a. Barratt Manchester. (Dec 2024). *Report on Drainage Strategy to Accompany Planning Application Hogshaw Farm, Buxton*. Rev C.
 - b. Barratt Homes. (Jan 2025). *Construction of 116 Dwellings at Hogshaw, Fairfield, Buxton*. H8797-BAH-XX-XX-RP-DR-300561-P01.
 - c. Barratt Homes. (Jan 2025). *Construction of 116 Dwellings at Hogshaw, Fairfield, Buxton*. H8797-BAH-XX-XX-RP-DR-300563-P01.

- d. Barratt Homes. (Jan 2025). *Construction of 116 Dwellings at Hogshaw, Fairfield, Buxton*. H8797-BAH-XX-XX-RP-DR-300564-P01.
“including any subsequent amendments or updates to the above documents as approved by the Lead Local Flood Authority”
- e. And DEFRA’s Non-statutory technical standards for sustainable drainage systems (March 2015),
have been submitted to and approved in writing by the Local Planning Authority.”

Reason: To ensure that the proposed development does not increase flood risk and that the principles of sustainable drainage are incorporated into this proposal, and sufficient detail of the construction, operation and maintenance/management of the sustainable drainage systems are provided to the Local Planning Authority, in advance of full planning consent being granted.

- 2. “Prior to commencement of the development, the applicant shall submit for approval to the LPA details indicating how additional surface water run-off from the site will be avoided during the construction phase. The applicant may be required to provide collection, balancing and/or settlement systems for these flows. The approved system shall be operating to the satisfaction of the LPA, before the commencement of any works, which would lead to increased surface water run-off from site during the construction phase.”

Reason: To ensure surface water is managed appropriately during the construction phase of the development, so as not to increase the flood risk to adjacent land/properties or occupied properties within the development.

- 3. Prior to occupation of the development, a structural survey of the Nun Brook culvert that passes beneath the western section of the site shall be undertaken and submitted to the Local Planning Authority. The survey shall be carried out by a suitably qualified Structural Engineer and shall assess the impact of the proposed development on the structural condition and integrity of the culvert. The survey shall make recommendations to demonstrate the structural integrity of the culvert shall be maintained for the lifetime of the development. All recommendations made by the survey shall be fully implemented in accordance with a timetable to be agreed in writing by the Local Planning Authority in consultation with the Environment Agency.

Reason: To prevent the increased risk of flooding due to any change in the structural integrity of the culvert caused by the development.

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 applicant should demonstrate, to the satisfaction of the Local Planning Authority, the appropriate level of treatment stages from the resultant surface water discharge, in line with Table 4.3 of the CIRIA SuDS Manual C753.
- F. 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.
- 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:
 - Rainwater pipes, gullies and drainage channels including cover levels.
 - Inspection chambers, manholes and silt traps including cover and invert levels.
 - Pipe sizes, pipe materials, gradients, flow directions and pipe numbers.
 - Soakaways, including size and material.
 - Typical inspection chamber / soakaway / silt trap and SW attenuation details.
 - Site ground levels and finished floor levels.
- I. On Site Surface Water Management;
 - The site is required to accommodate rainfall volumes up to the 1% probability annual rainfall event (plus climate change) whilst ensuring no flooding to buildings or adjacent land.

- The applicant will need to provide details and calculations including any below ground storage, overflow paths (flood routes), surface detention and infiltration areas, etc, to demonstrate how the 30 year + 35% climate change and 100 year + 40% Climate Change rainfall volumes will be controlled and accommodated. In addition, an appropriate allowance should be made for urban creep throughout the lifetime of the development as per 'BS 8582:2013 Code of Practice for Surface Water Management for Developed Sites' (to be agreed with the LLFA).
- Production of a plan showing above ground flood pathways (where relevant) for events in excess of the 1% probability annual rainfall event, to ensure exceedance routes can be safely managed.
- A plan detailing the impermeable area attributed to each drainage asset (pipes, swales, etc), attenuation basins/balancing ponds are to be treated as an impermeable area.

Peak Flow Control

- For greenfield developments, the peak run-off rate from the development to any highway drain, sewer or surface water body for the 1 in 1 year rainfall event and the 1 in 100 year rainfall event, should never exceed the peak greenfield run-off rate for the same event.
- For developments which were previously developed, the peak run-off rate from the development to any drain, sewer or surface water body for the 100% probability annual rainfall event and the 1% probability annual rainfall event must be as close as reasonably practicable to the greenfield run-off rate from the development for the same rainfall event, but should never exceed the rate of discharge from the development, prior to redevelopment for that event.

Volume Control

- For greenfield developments, the runoff volume from the development to any highway drain, sewer or surface water body in the 6 hour 1% probability annual rainfall event must not exceed the greenfield runoff volume for the same event.
- For developments which have been previously developed, the runoff volume from the development to any highway drain, sewer or surface water body in the 6 hour 1% probability annual rainfall event must be constrained to a value as close as is reasonably practicable to the greenfield runoff volume for the same event, but must not exceed the runoff volume for the development site prior to redevelopment for that event.

Note:- If the greenfield run-off for a site is calculated at less than 2 l/s, then a minimum of 2 l/s could be used (subject to approval from the LLFA).

- 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.
- Where cellular storage is proposed and is within areas where it may be susceptible to damage by excavation by other utility contractors, warning signage should be provided

to inform of its presence. Cellular storage and infiltration systems should not be positioned within the highway.

- Guidance on flood pathways can be found in BS EN 752.
 - The Greenfield runoff rate which is to be used for assessing the requirements for limiting discharge flow rates and attenuation storage for a site should be calculated for the whole development area (paved and pervious surfaces - houses, gardens, roads, and other open space) that is within the area served by the drainage network, whatever the size of the site and type of drainage system. Significant green areas such as recreation parks, general public open space, etc., which are not served by the drainage system and do not play a part in the runoff management for the site, and which can be assumed to have a runoff response which is similar to that prior to the development taking place, may be excluded from the greenfield analysis.
- J. All Micro Drainage calculations and results must be submitted in .MDX format, to the LPA. (Other methods of drainage calculations are acceptable.)
- K. The applicant should submit a comprehensive management plan detailing how surface water shall be managed on site during the construction phase of the development ensuring there is no increase in flood risk off site or to occupied buildings within the development.
- L. The applicant should manage construction activities in line with the CIRIA Guidance on the Construction of SuDS Manual C768, to ensure that the effectiveness of proposed SuDS features is not compromised.

Yours sincerely

Chris Rogers
Project Engineer

Checked by: Richard Ward
Date 20/03/2025