

**Consultation Response from KC,
Lead Local Flood Authority**

2022/924284, Back Lane, Grange Moor, Huddersfield, WF4 4EJ

Outline application for demolition of existing dwelling and garage and erection of residential development (8 semi-detached dwellings)

Date Responded: 16/09/2022

Responding Officer: Martin Stephenson

Responding Ref: 0

Documents reviewed by the LLFA:

Fibre Architects:

- Drawing Ref: 22.004/EXT0002, Site Plan as Existing, Rev – dated 20/05/2022
- Drawing Ref: 22.004/AL0002, Site Plan as Existing, Rev – dated 20/05/2022

Drainage Summary:

The proposed development is sited predominantly on greenfield land and includes the demolition of an existing house (No. 4 Back Lane) and associated garage.

The LLFA requires that the surface water drainage discharge off-site is limited to the current greenfield run-off rate for the site (subject to a minimum rate of **3.5 l/s** subject to a minimum flow control outlet diameter of 75mm) and attenuation storage provided to store the critical 1 in 100 year rainfall event plus a 30% climate change allowance without any flooding off site.

The LLFA's preferred discharge point for the attenuated surface water discharge is the Highway Drain manhole on the northern footway of Liley Lane between Back Lane and Taylor Fold which is connected to Howroyd Beck.

The developer should submit a Maintenance Plan including a Maintenance Schedule to the LPA for approval and should identify which organisation will be responsible for the maintenance of the shared surface water drainage system until adoption by the Statutory Water Authority.

**Kirklees Flood Management and Drainage, as the Lead Local Flood Authority (LLFA),
SUPPORTS the above application subject to the above comments and the following drainage conditions:**

Suggested Drainage Conditions:

DR01 Drainage Details

Development shall not commence until a detailed design scheme detailing foul, surface water and land drainage, including agreed discharge rate with the LLFA of **3.5 l/s** (subject to a minimum flow control outlet diameter of 75mm) directly to watercourse, attenuation for the critical 1 in 100 + 30% climate change rainfall event, attenuation construction details /design, plans and longitudinal sections, hydraulic calculations and phasing of drainage provision has been submitted to and approved in writing by the Local Planning Authority. The scheme shall include a risk assessment and method statement, in accordance with CDM Regulations 2015, for access to and into the attenuation structure, and the scheme shall include a maintenance and management plan for surface water infrastructure. No part of the development shall be occupied until such approved drainage scheme has been provided on the site to serve the development or each agreed phasing of the development and retained thereafter.

DR07 Overland Flow Routing

The development shall not commence until an assessment of the effects of 1 in 100 year storm events, with an additional allowance for climate change, blockage scenarios and exceedance events on drainage infrastructure and surface water run-off pre and post development between the development and the surrounding area (both upstream and downstream of the development), has been submitted to and approved in writing by the Local Planning Authority. No part of the development shall be brought into use (dwellings shall not be occupied) until the works comprising the approved scheme have been completed and such approved scheme shall be retained thereafter.

DR10 Construction Phase Surface Water Flood Risk and Pollution prevention plan.

Development shall not commence until a scheme, detailing temporary surface water drainage for the construction phase (after soil and vegetation/site strip) has been submitted to and approved in writing by the Local Planning Authority. The scheme shall detail:

- phasing of the development and phasing of temporary drainage provision.
- include methods of preventing silt, debris and contaminants entering existing drainage systems and watercourses and how flooding of adjacent land is prevented.
- the strategy shall include a plan showing the location of the attenuation storage and supporting calculations, which shall be based on the critical 1 in 2-year storm. It should be assumed that once the site has been stripped that the percentage run-off will be 100 %. The maximum allowable off-site discharge rate shall not exceed 2.5 litres per second per ha, unless otherwise agreed with the LLFA.

The temporary works shall be implemented in accordance with the approved scheme and phasing. No phase of the development shall be commenced until the temporary works approved for that phase have been completed. The approved temporary drainage scheme shall be retained until the approved permanent surface water drainage system is in place and functioning in accordance with written notification to the Local Planning Authority.