

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

**2024/92444 Land North of, Denby Lane, Grange Moor, Huddersfield, WF4 4BH**

**Erection of 21 dwellings and associated works with means of access from Denby Lane**

**Date Responded: 01/11/2024.**

**Responding Officer: Martin Stephenson**

**Responding Ref: 1**

**Documents reviewed by the LLFA:**

Advent Engineers:

- 24017-101, S104 Drainage Layout, Rev E dated 03/07/2024.

HHA:

- E24/8223/FR01, Flood Risk Assessment, dated October 2024

**Drainage Summary:**

NOTE: Drawing 24017-101 indicates that the attenuation tank is located **outside** the red line boundary and the Planning Officer's attenuation is drawn to this. The comments below are made on the assumption the red line boundary will be extended to include the land proposed to be occupied by the tank.

It is noted that the development will require third party permissions to discharge the surface water drainage off site to the culverted watercourse on the eastern side of the site (Briestfield Beck). Agreement with the neighbouring landowner will therefore be required to allow for the surface water outfall.

The FRA states that the allowable surface water discharge rate will be 3.5l/s – this will be acceptable to the LLFA provided the outlet diameter of the flow control device is not less than 75mm. It is noted that the hydraulic calculations in Appendix D of the FRA assume a discharge rate of 5.0l/s – these calculations will need to be revised with the rate set at the minimum for a 75mm diameter flow control device.

The LLFA welcomes the proposal to provide a concrete tank to retain the attenuation storage as these have a much longer design life and are easier to inspect and maintain.

**Kirklees Flood Management & Drainage as Lead Local Flood Authority SUPPORTS this application SUBJECT to the comments above and the recommended conditions set out below.**

**DR01 Drainage Details**

Development shall not commence until a detailed design scheme detailing foul, surface water and land drainage, including agreed discharge rates with the LLFA indirectly or directly to watercourse, attenuation for the critical 1 in 100 (plus an allowance for 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.