

**Consultation Response from KC,
Lead Local Flood Authority**
2022/91139 land south of Oddfellows Street, Scholes, Cleckheaton, BD19 6NX
Erection of 33 dwellings along with all associated infrastructure, parking, open space and landscaping
Date Responded: 01/12/2023.
Responding Officer: Martin Stephenson
Responding Ref: 3
Previous response by the LLFA

Dated 16/09/2022 for application 2022/91139

Dated 02/08/2023 for application 2022/91139

Documents reviewed by the LLFA:

TWH Consultancy:

- Drawing Ref: E22/21202/001, Drainage Plan Layout, Rev B dated 11/10/23.
- Document Ref: 21202_FRA_01, Flood Risk Assessment, Rev A dated October 2023.

Drainage Summary:

The LLFA confirms that the proposed 4.9 l/s discharge rate, the attenuation basin, and the discharge to the un-named watercourse (tributary of the river Spen) are acceptable.

Details of the proposed Maintenance Plan for the surface water drainage including the hydrobrake and attenuation basin will need to be submitted for approval.

Section 106 Unilateral Undertaking

In order for the LPA to fulfil their obligation to ensure the maintenance and management of surface water drainage systems for the lifetime of the site, a unilateral undertaking to set up a management company to carry out an approved maintenance and management scheme; including access to and into any structure in accordance with CDM regulations 2015; and an itinerary and schedule of maintenance and management tasks. Such an undertaking can cease if and when the infrastructure is formally adopted by the Statutory Undertaker and/or Highways Authority

Kirklees Flood Management & Drainage as Lead Local Flood Authority SUPPORTS this application SUBJECT to 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 rate with the LLFA (**4.9 l/s**) directly to watercourse, attenuation for the critical 1 in 100 (+ 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.