

**Consultation Response from KC,
Lead Local Flood Authority**
2022/92194 Land adj, 21, Thomas Street, Lindley, Huddersfield, HD3 3JJ
Outline application for erection of care home (Use Class C2) of up to 60 beds with associated access
Date Responded: 19/08/2022
Responding Officer: Martin Stephenson
Responding Ref: 0
Documents reviewed by the LLFA:

ADG Architects:

- Drawing Ref: H.21.81 (9-) 2, Proposed Site Plan, Rev G dated 21/06/2022

Betts Hydro:

- Document Ref: HYD710-THOMAS.STREET-FRA&DMS, FRA and Drainage Management Strategy, Rev 1.1 dated 11/05/2022

Drainage Summary:

The LLFA accepts the proposal set out in the FRA and Drainage Management Strategy to limit surface water discharge from the new development to **5.0 l/s** for events up to the critical 1 in 100 year rainfall event (plus an allowance for climate change). It is also accepted that the discharge point is to be the YW combined sewer in Thorncliffe Street via the existing 225mm drain from the first MH upstream of the sewer PROVIDED that the existing settled deposits identified in the Invek Surveys Ltd CCTV Survey report are removed prior to re-use of the drain.

However, The LLFA notes that the proposed flow control is to be an orifice plate. It is preferred that the flow control device should be of the vortex type (such as a HydroBrake or similar) as these devices are less prone to blockage. The minimum outlet diameter of the device should preferably be 100mm or an absolute minimum of 75mm.

Kirklees Flood Management and Drainage, as the Lead Local Flood Authority (LLFA), supports this application subject to the above comments and the following suggested 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 **5.0 l/s**, indirectly or directly to watercourse, attenuation for the critical 1 in 100 + climate change rainfall event, attenuation construction details /design, plans and longitudinal sections, hydraulic calculations, 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 an itinerary of maintenance tasks with schedules. 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.

DR08 Pollution Prevention – Fats, Oils and Grease

Development shall not commence until a scheme to prevent fats, oils, and grease entering the drainage network serving commercial food preparation and dish-washing areas has been submitted to and approved in writing by the Local Planning Authority. The scheme shall be implemented prior to first operation of the development and shall be retained throughout the lifetime of the development.