

**Consultation Response from KC,
Lead Local Flood Authority****2023/92200 Former Petrol Station, North Road, Kirkburton, Huddersfield, HD8 0RL****Erection of single storey retail unit with associated parking area and modification to existing site access and egress (within a Conservation Area)****Date Responded: 20/09/2023.****Responding Officer: Martin Stephenson****Responding Ref: 1****Documents reviewed by the LLFA:**

Walters Architects:

- Drawing Ref: WA608 (04) 03, Site Plan as Proposed, Rev – dated 20/06/23.
- Drawing Ref: WA608 (04) 01, Location Plan & Site Plan as Existing, Rev – dated 20/06/23.

Drainage Summary:

The proposed development is located on the north-eastern side of Dean Bottom Dike which is designated as “Main River” by the EA. Part of the site is within Flood Zones 2 and 3 although it is noted that there is no proposal to construct new buildings within the flood zones.

The LLFA would expect any new surface water drainage to be discharged into the adjacent dike at an attenuated rate equal to the estimated greenfield run-off rate* (subject to a minimum flow control device outlet of 75mm). *Kirklees Council will accept a rate of 5.0 l/s per ha if no other more accurate figures are available.

Note that, as the dike is Main River, permits may be needed to be obtained from the EA for any new trenching work/headwall/etc.

Attenuation storage should be provided to ensure there is no off-site run-off or flooding of new/existing buildings for the critical 1 in 100 year (plus climate change allowance) rainfall event.

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

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 rates with the LLFA 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 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.