Consultation Response from KC, Lead Local Flood Authority
2024/91853 Birkenshaw Liberal Club, 10, Croft Street, Birkenshaw, BD11 2HT
Erection of 21 dwellings with garages, formation of adoptable road, private road and parking spaces and new car park and beer garden for the Liberal Club
Date Responded: 19/03/2025. Responding Officer: Martin Stephenson Responding Ref: 2

Previous response by the LLFA

Dated 16/08/2024 for application 2024/91853.

Documents reviewed by the LLFA:

Eastwood Consulting:

- 48785-ECE-XX-XX-RP-C-0004, FRA & Drainage Assessment, Rev 02 dated 06/02/2025.
- 48785-ECE-XX-XX-DR-C-0002, Impermeable Areas Plan, Rev P02 dated 25/02/2025.
- 48785-ECE-XX-XX-M3-C, Causeway Drainage Calcs, dated 21/02/2025.
- 48785-ECE-XX-XX-DR-C-0003, Drainage Strategy, Rev P07 dated 16/12/2024.
- 48785-ECE-XX-XX-DR-C-0016, Flood Routing Plan, Rev P02 dated 25/02/2025.

Drainage Summary:

The LLFA accepts the results of the Causeway Drainage Calcs that indicate no flooding for the critical storm and that the flood routing plan shows that properties are not at risk during exceedance events.

However, with regard to the details of the proposed attenuation tank – these should indicate access arrangements so that the tank can be safely maintained and details of the method of reducing the risk of silt settling out in the tank.

Kirklees Flood Management & Drainage as Lead Local Flood Authority SUPPORTS this application SUBJECT to the comment 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 the agreed discharge rate of **3.5 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 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.

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.