

**Consultation Response from KC,
Lead Local Flood Authority****2024/91760 Land adj Healey Junior Infants and Nursery School, Healey lane, Healey, Batley,
WF17 8BN****Erection of 19 dwellinghouses with associated car parking, landscaping and boundary
treatment and other associated associated works****Date Responded: 16/08/2024****Responding Officer: Martin Stephenson****Responding Ref: 1****Documents reviewed by the LLFA:**

Dudleys Consulting Engineers:

- 24106; Flood Risk Statement, Rev P01 dated 04/06/2024.
- 24106-DCE-XX-XX-T-C-002; Drainage Strategy & Calculations, Rev P02 dated 07/06/2024.
- 24106-DCE-XX-XX-D-C-100; Drainage Strategy, Rev P01 dated 06/06/2024.
- 24106-DCE-XX-XX-D-C-129; Flood Exceedance Route, Rev P02 dated 07/06/2024.

Drainage Summary:

The LLFA confirms acceptance of the flood exceedance routing, the **3.5 l/s** allowable surface water discharge rate and the proposed outfall into the public combined sewer in West Park Road (subject to Yorkshire Water approval).

The MH upstream of the main attenuation tank should be of the silt trap type to reduce the risk of siltation within the tank and there should be a low flow channel through the tank laid at a self-cleansing gradient. Access for inspection and maintenance should also be provided.

Kirklees Council have reservations on the guaranteed design life of geocell type tanks and therefore these may need replacing after 25 to 30 years. A better solution for storage would be a pre-cast concrete tank (i.e. Carlow type) which will have a much longer design life. They also have the advantage of utilising 100% of their internal volume as storage.

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 3.5 l/s discharge rate 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.

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.