Consultation Response from KC, Lead Local Flood Authority
2023/92633 St Marys Rc Church, Upton Street, Carlinghow, Batley, WF17 8PH
Demolition of buildings and erection of residential development (within a Conservation Area)
Date Responded: 19/02/2024. Responding Officer: Martin Stephenson Responding Ref: 1

Documents reviewed by the LLFA:

AHR:

- Drawing Ref: STC-AHR-00-DR-A-20-003, Proposed Site Plan, Rev 1 dated 20/07/2023.

SGM Structural Design:

- Document Ref: 2024/013/CD/drainage_statement, Drainage Statement dated 11/01/2024.

Drainage Summary:

The LLFA accepts that infiltration to ground is not feasible for this development and that the allowable surface water discharge to the Yorkshire Water sewer network (subject to YW agreement) is **12.1 l/s** as stated in the Drainage Statement. The attenuated surface water drainage should discharge to the 225mm diameter YW surface water sewer in North Bank Road. No surface water should be discharged to the YW combined sewer.

It is noted that the hydraulic calculations appended to the Drainage Statement indicate that the site is located in Leeds, however the development is in Huddersfield and the rainfall parameters used in the calculations may vary – therefore the calculations will need to be revised at the next submission.

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 discharge rate of **12.1 l/s** with the LLFA indirectly or directly to watercourse, attenuation for the critical 1 in 100 + 30% 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.