

**Consultation Response from KC,
Lead Local Flood Authority****2022/90469 Rose And Crown Inn, 132, Knowl Road, Golcar, Huddersfield, HD7 4AN****Outline application for residential development for up to 14 dwellings and associated infrastructure following the demolition of existing public house, including consideration of layout and access (within a Conservation Area).****Date Responded: 14/04/2022****Responding Officer: Martin Stephenson****Responding Ref: 0****Documents reviewed by the LLFA:**

L'Arche Developments (Yorkshire Ltd):

- Drawing Ref: 2002-90-01, Site Plan as Proposed, Rev B dated November 2021

Drainage Summary:

The site is located in a built-up area currently occupied by a public house and associated parking areas. The site is served by a Yorkshire Water combined sewer in the main road. No records of watercourses, culverts or surface water sewers are shown on Kirklees Council's plans; however the land is shown as having the potential for soakage into the ground subject to confirmation of percolation rates (determined by testing in accordance with BRE365 guidance) and an assessment of the risk of re-emergence of flows further downhill.

The developer should submit to the LLFA the proposed drainage strategy for the site to include (but not limited to) the following:

- Means of surface water disposal with evidence of suitability.
- Surface water storage volumes confirmed with hydraulic calculations to store storms up to the critical 1 in 100 year (plus climate change) rainfall event within the site without causing flooding to existing or proposed building curtilages.
- Flood routing plans showing the proposed flow paths from exceedance events such as blockages or from storms greater than the design event.
- Temporary drainage proposals following site strip to reduce the risk of surface water run-off carrying silts off site.
- Maintenance Strategy for the surface water drainage including a schedule of maintenance activities and identification of the organisation responsible for maintaining the system until adoption of the sewerage authority.

Kirklees Flood Management and Drainage does NOT OBJECT to this application provided the above comments are addressed and recommends the following reserved matters 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 method, attenuation for the critical 1 in 100 + 30% 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.