

**Consultation Response from KC,
Lead Local Flood Authority****2023/90668 Grange Moor Coachworks, Barnsley Road, Grange Moor, Huddersfield, WF4 4DR****Erection of B2/B8 Industrial Unit and associated works****Date Responded: 06/04/2023.****Responding Officer: Martin Stephenson****Responding Ref: 0****Documents reviewed by the LLFA:**

Acumen:

- Drawing Ref: P2753-ACU-XX-DR-A-102, Proposed Masterplan, Rev 01 dated Feb 23

Avie:

- Drawing Ref: P3849-DR-01, Proposed Drainage Strategy, Rev 1 dated 22/02/2023.
- Document Ref: P3849, Flood Risk Assessment, Rev 1 dated 22/02/2023.

Drainage Summary:

The developer is proposing to discharge surface water run-off at an attenuated rate to an existing pond in the south-east corner of the site via a balancing pond – the LLFA confirms that this is acceptable. However, the developer will be required to prove that this pond drains into the 225mm dia Highway Drain in Barnsley Road (e.g. CCTV survey) and this proof submitted to the LLFA.

KC records show that this Highway Drain discharges into a tributary of Flockton Beck.

As stated in the FRA, the flow control device should be rated at the equivalent Greenfield Run-off Rate and hydraulic calculations to confirm the proposed discharge rate and that sufficient attenuation storage is provided to contain the critical 1 in 100 year (plus Climate Change) rainfall event without flooding of existing or proposed properties or off-site.

Section 11 of the FRA refers to consultations with Northumbrian Water – it is assumed this was meant to be Yorkshire Water.

Kirklees Flood Management and Drainage, as the Lead Local Flood Authority (LLFA), can SUPPORT this application subject to the above comments and the suggested drainage conditions 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 GFRO discharge rate with the LLFA indirectly or directly to watercourse, attenuation for the critical 1 in 100 + climate change rainfall event, attenuation pond 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 pond, 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 (buildings 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.

DR20 Interceptor

Development shall not commence until a scheme demonstrating surface water from vehicle parking and hard standing areas passing through an oil/petrol interceptor of adequate capacity prior to discharge. Roof drainage should not be passed through any interceptor.