

**Consultation Response from KC,
Lead Local Flood Authority**

2022/91911 land at, Cliff Hill, Denby Dale, Huddersfield, HD8

Erection of residential development consisting of 47 dwellings with associated highways and landscaping

Date Responded: 30th November 2022

Responding Officer: Paul Farndale

Responding Ref:

Summary For Planning Officer

Further to our comments of 24th August 2022.

**Kirklees Flood Management & Drainage acting as Lead Local Flood Authority
OBJECTS to this application on the grounds of increasing off site FLOOD RISK. This risk is expected to reduce in the near future.**

Detailed Consultation Response

Surface Water Outfall

The proposed surface water outfall is currently unsuitable. A significant downstream defect has been assessed on this culvert and work is required to reduce the risk of flooding. The volume generated by the development could therefore increase flood risk in the short term. It is envisaged that engineering works will take place in the near future. Until such a time as work has been carried out, no connection, permanent or temporary, should be made. An exact date cannot be stated.

Surface Water Discharge Rate

The latest submissions reflect our previous comments and limit the proposed discharge rate to 5l/s.

Watercourse/Ditch

A formalised head wall and trash screen design will be required but can be conditioned. The latest drainage plan indicates this intention.

The ditch will require improvement with a formal design (can be conditioned) that will need to be maintained thereafter by a management company set up under section 106 of the Town and Country Planning Act 1990 with an agreed maintenance plan. This is to ensure risk is reduced on and off site by formalising arrangements

It is noted that a box culvert is used in one section to provide access to the northern most plots. This was agreed in a site visit with the development to be put to the planning officer for consideration.

We advise the planning officer to request a cross section of the plots, ditch, and parking spaces to determine whether safety rails or other such buffer are required in this area.

We are satisfied that the extent of the ditch reflects the current undeveloped site and now does not need further investigation upstream of the red line boundary. An appropriate trench

to see if any collapsed or buried pipe enters the ditch from upstream at any point can be carried out post site clearance. This can be conditioned.

Mining Activity/Capping – Construction Phase Drainage – Perimeter Drainage

It should be noted and assessed whether any capping will take place on site. Such work can cause less infiltration of water, particularly in the construction phase. Measure should be taken to reduce risk withing the construction phase of which this aspect should be considered. Construction phase drainage can be conditioned subject to other aspects being satisfied. Perimeter land drainage will need to be considered as part of an assessment in order to ensure that this development will not increase flood risk elsewhere.

Surface Water Flood Risk – Flow Routing

We are satisfied that previous issues have been rectified and safe flood routing is now shown on relevant submitted plans.

Attenuation Basin

The risk of an elevated basin, and an increase in required capacity with a reduced discharge rate of 5l/s, has been discussed with the developer and an agreement to replace with a conventional attenuation tank is not depicted on the latest submissions.

Section 106 – Unilateral Undertaking

In addition to the watercourse described above, all surface water drainage should have a risk assessment and method statement applied concerning maintenance and management. This should be overseen by the Principal Designer under CDM Regulations 2015 and an itinerary and schedule of tasks should be formed and ensure that it is carried out by a management company until such a time as this infrastructure is adopted by the statutory undertaker, Yorkshire Water.