

From: David Storrie
Sent: 05 April 2023 14:43
To: RichardA Gilbert

Subject: Application number 2022/91477 at location Land off Lindley Moor Road, Lindley, Huddersfield, HD3 3SX
Importance: High

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Good afternoon Richard,

Further to the recent consultee comments received from the LLFA, please find attached an updated Flood Risk and Drainage Assessment (FRDA) report.

To summarise, in accordance with the LLFA comments and our recent conversation, we have updated the following:

Attenuation

- Whilst we're aware of several geo-cellular manufacturers that do offer the requisite certification, they have been replaced across the site with concrete tanks to appease the LLFA's concern regarding maintenance.
- The climate change allowance has been reduced to 30% which has reduced to the total volume of storage required.
- The attenuation basin to the east of the site has been omitted to resolve the issue of steep slopes to Weatherhill Road. The storage tank has been increased in size to compensate for this.
- Please note, to facilitate the required storage tank size we have relocated the retaining wall to provide adequate cover to the proposed tank.

Flood Routing

- We would expect a detailed external levels plan to be conditioned and to be prepared at the detailed design stage.
- A land drain has been added along the southern boundary to capture overland surface water runoff, therefore providing additional protection to the properties to the south.
- A contributing areas plan has been prepared, detailing which areas of the site drain to which specific pipes.

Potential Watercourse

- An extract from the Haigh Huddleston Phase 2 SI report has been included in our updated report. The extract includes details of the potential watercourse (location, depth and connection to the watercourse to the east). The updated surface water drainage design now includes a gravity connection to this potential watercourse while we still reference an alternative connection as per previous reports.
- It is not feasible for us to assess whether existing land drainage systems extend into the site from the south without further intrusive investigative works taking place. Any assessment of existing land drainage should be done at the detailed design stage, ideally when site strip activities are taking place. In any case, the development and design of the site would ensure surface water runoff is directed away from the existing residential properties to the south.

Treatment

- Section 6.3.6 Pollution Control of the FRDA discusses in detail the treatment measures incorporated into the drainage strategy along with the hazards and mitigation indices.
- A sentence has been added into the foul water management section regarding commercial food preparation – it is not clear why the LLFA is commenting on foul water discharges as any foul waste would not enter the surface water drainage system.

Maintenance and Management

- We have updated the maintenance schedule to consider the concrete tanks and the omission of the attenuation basin and geo-cellular storage.

Any further information can be provided at the discharge of condition stage.

We trust the above and attached is now sufficient for the LLFA to remove their objection. We would advise that any further requirements from the LLFA are discussed in person, via a meeting organised by the planning officer.

Kind regards,
David

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