

To: Chris Rogers  
Lead Local Flood Authority  
Derbyshire County Council  
County Hall  
Matlock, Derbyshire  
DE4 3AG

Re: Response to LLFA Objection, application ref HPK/2024/048

Dear Chris,

Following receipt of your comments on the submitted Flood Risk Assessment (FRA) for the above site, we have updated the FRA to address each point in turn. The revised FRA, resubmitted alongside this letter, contains all amendments and supporting evidence as outlined below.

1. *Properties around the boundary at flood risk (particularly to the southwest)*

We have updated Section 6.4.1 of the FRA to acknowledge the baseline flood risk to properties surrounding the site, with particular reference to those located along the southwestern boundary, as shown in the surface water flood risk mapping. This area coincides with the route of the existing culvert, which provides an opportunity to connect land drainage to convey water safely off-site. The current flood risk is a result of local topography.

2. *Safe diversion of overland/spring flows and engineered point of discharge*

Sections 6.4.2–6.4.6 have been revised to set out the design parameters for managing overland and spring flows. This includes interception and conveyance via shallow ditch and/or land drains along the northern and western boundaries, routing flows to the existing culvert at the southwest low point and maintaining safe conveyance off-site without increasing risk to adjacent properties. Detailed design should be developed at the next stage in accordance with these principles, including inlet/outlet protection, hydraulic capacity checks, and exceedance routing. A surface water management strategy plan has been prepared in conjunction with the above outlined proposal and is appended to the FRA.

3. *Culvert condition/connectivity and basin drainage levels*

Section 4.1.8 has been updated to reflect findings from the latest CCTV survey

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(report and video mapping), which traced the culvert further downstream and noted localised root ingress and standing water.

Section 4.1.9 confirms that the basin outlet and culvert are at compatible levels to allow gravity discharge, with the basin invert to be set to achieve positive outfall. This addresses the concern regarding basin elevation relative to the culvert.

4. *Fallback option if the culvert cannot be utilised*

A new subsection in the Drainage Strategy (4.1.11) outlines the approach if the LLFA confirms the culvert cannot be used. United Utilities (UU) has indicated that discharge to the Talbot Road surface water sewer may be acceptable in that scenario, which would require a pumped solution due to site topography. Space for a pumping station has been identified in the southwest corner, and this would be designed in consultation with UU.

5. *Appropriate evidence of how the site will drain*

Section 4.1.8 now explicitly references the appended CCTV survey report, video footage and mapping of the culvert alignment. These provide confirmation of the proposed outfall location. Should the culvert be ruled out, UU's conditional acceptance of discharge to the Talbot Road sewer has been noted in the contingency section.

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We trust these revisions address your comments in full.

Yours sincerely,

Johann Zeuner Griffiths  
Civil Engineer

For and on behalf of Adept Consulting Engineers

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