

Design & Access Statement

Mr A Tantrum
Aldermans Head Manor
Hartcliffe Hill Road
Penistone
Sheffield
S36 9FS

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1. Existing Site

The site is a permanent grassland field grazed with commercial sheep, part of the agricultural holding of Aldermans Head Manor. Proposals are cantered at OS SE22969 00969 and accessed by the properties stone track off Hartcliffe Hill Road at SE230 013 as indicated on the plan RWC AT 02.

The area for the proposals is 3771 m2 in a previously excavated shallow gully where pools for agricultural purposes, including stock watering have been constructed. These have failed due to poor implementation.

A small permanent spring currently issues from a plastic pipe into the now failed pools with no permanent open water. The areas vegetation is indicative of significant pervious disturbance. This is confirmed by a detailed Wildlife Survey attached to the Planning Application that assesses the area as of low botanical and species importance.



General view of the site where previous pool excavations have failed due to poor construction. Works will replace the damaged structures incorporating attenuated flood storage with storm overflows of local rock when full. The area will be grassed down again when completed with two residual wildlife ponds.

A partly collapsed traditional stone wall forms the property boundary.

Water flows during storm events are significantly increased due to the sloping catchment. This offers good opportunity to attenuate flood water flows and contribute to reduce flooding benefits downstream. The project is supported by the Don Catchment Rivers Trust with objectives to reduce flooding as well as providing enhanced wildlife habitats.

2. Proposed Use & Appearance

The site use will remain unchanged as agricultural land with sheep grazing but with the recreation of two livestock watering and wildlife ponds. These features will be reformed with two improved bunds and key trenches. The site will be reinstated as grassland on completion but with residual wildlife ponds and capacity to store 1300m3 of flood waters.

The bunds are shown in detail in the drawings RWC AT 03 & 04 and have incorporated within their design attenuated outfalls. This is to allow modest flows of water downstream whilst retaining residual permanent or semi-permanent wildlife and livestock drinking ponds.

The attenuation will restrict the water flows during storm conditions enabling the additional flood waters to be stored to benefit downstream flood reduction. As flood flows reduce the storage is emptied via the attenuation pipes in a controlled manner in readiness for the next flood event automatically.

Storm flows exceeding the storage volumes of over 1300m3 is discharged via two spillways that are protected with local rocks to resist erosion that caused previous failures.

The landscape of the site will look very similar to the current state but with the addition of two ponds. These will not be visible from public roads due to their lowered positions. During flood events the water levels will rise for fairly short periods of time.

3. Access

There will be no change to the access requirements compared to the current position.