

Thank you for consulting us on the amended details, namely the Flood Risk Assessment and Drainage Strategy Report (Arch Associates, 25/5/23).

The surface water drainage strategy is to discharge runoff from the site to a surface water sewer. Section 1.0 of the report states that runoff will be restricted to 4.2 l/s, however sections 5.1 and 5.2 suggest that this is the rate that runoff will discharge at for the 1 in 1 year storm event and rates for greater storms will increase for the proposed development in line with the existing runoff scenario. The Drainage Strategy Plan shows a flow control restricting rates to 4.2 l/s, and the calculations suggest that this is also the case, therefore section 5.2 should be revised accordingly. The calculations do not show the effects of the design storm events on the drainage network.

Section 5.1 describes the existing surface water discharge to the surface water sewer to be 'assumed'. The water company may require evidence of the existing discharge rates to ensure proposed rates are not in excess of them. The LLFA would also require this information to ensure that excessive rates do not occur and increase flood risk to the site or elsewhere. A capacity check should be requested if there is uncertainty over the existing discharge rates.

The simple index approach calculation has totalled the pollution hazard scores, which may overstate the pollution risk, and mitigation has been proposed in the form of a proprietary system. I can't see that any details of the proprietary system have been included in the submission, or manufacturer evidence of the indices proposed. No details for the maintenance of the proprietary system have been included either. Water treatment and maintenance information can be reviewed through conditions if necessary.

In summary:

- Clarity is required over proposed discharge rates from the redeveloped site.
- Confirmation is required of the existing and proposed discharge rates to the surface water sewer.
- Calculations should show the effects of the design storms on the drainage network.

Conditions may be required for all other aspects. LLFA acceptance of the discharge rates to the surface water sewer are also subject to water company approval.

Regards

Tom Callaway