

Purbrook Park School Planning Statement

Drainage and Flood Risk Assessment

Surface Water Runoff

The proposed development will increase the existing surface runoff by volume and rate of flow. Sustainable Urban Drainage Systems (SUDS) will be used to manage the surface water runoff in a suitable manner to mimic the surface runoff flows arising from the site, while reducing the flood risk to the site itself and elsewhere, taking climate change into account. It is anticipated that SUDS would be in the form of permeable paving and subsurface attenuation storage based on the limited rate of discharge from the site into the existing Southern Water surface water drainage system of the area.

Consultations will be carried out with the Southern Water in order to obtain their requirements for accepting additional surface water runoff water from the site.

The existing surface water runoff from the site will continue to be discharged to the existing drainage soakaway systems on site.

Foul Water

It is not anticipated that the peak foul water flow will increase due to the fact that the number of students at the school will remain unchanged.

Drainage Survey of the Existing Surface Runoff and Foul Drainage Systems

There were no drawings or information available regarding the existing drainage system. Hence, a drainage survey has been carried out to confirm the existing surface runoff and foul water drainage arrangements for the site. The survey included a CCTV survey of the major drainage pipes to assess their conditions, the layout and connectivity of the various network runs.

Flood Risk Assessment

The site is located within Flood Zone 1, 'Low Probability' of flooding according to the Environment Agency's Flood Map. Hence, there is no risk of fluvial flooding to the proposed Re-Development from the small water course a tributary of Wallingford River.

Based on the above, it is anticipated that the scope of the flood risk will be to assess the residual risk posed to the site from the existing drainage, proposed SUDS, groundwater and surface water.

A full Flood Risk Assessment (FRA) has been carried out in accordance with the guidance set out in National Planning Policy Framework and accompanies this planning application.