



LANGLEY

SUTTON COLDFIELD

SURFACE WATER DRAINAGE

Objective: Design the scheme to optimise community and environmental benefits from the surface water drainage strategy.

SUSTAINABLE DRAINAGE SYSTEMS

The proposals will incorporate sustainable drainage systems known as SuDS.

The surface water drainage systems have been designed with consideration of both the existing surroundings and the proposed development. Existing features of the Langley Brook are being maintained, enhanced and adapted for increased environmental and community benefit.

The SuDS incorporated throughout the site aim to mimic the existing drainage conditions, whilst providing benefit by slowing down the progress of water into existing watercourses and reducing the impact of extreme rainfall events both locally and downstream. SuDS also deliver benefits for wildlife and improve the general amenity of a development.



Your feedback

The proposed sustainable drainage systems should be effectively integrated into the landscape and wider environment.

There are some existing surface water drainage issues in the area to the west of the site. The Langley proposals need to attenuate its surface water on site.

Summary of position

The surface water drainage strategy design exceeds policy requirements and reflects best practice. The proposed network of attenuation features will manage flood risk as well as delivering biodiversity, amenity and recreational benefits within the green spaces as part of the creation of a climate-resilient community. Appropriate species will be planted within the attenuation features.

The approach to surface water management at Langley has been considered in a holistic way, incorporating a network of on-site attenuation basins and swales. This will manage and control the release of the drainage flows from the development in a more effective way than currently and will achieve improvements over the existing position at Churchill Road.

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