

Project: Zebrato, Lynwood Avenue

Client: Mr & Mrs Kumposcht

Date: 08.01.21

Revision: -

SuDS STATEMENT

The new development is required to be drained using SuDS techniques to reduce runoff and provide treatment to improve water quality due to being located within a Critical Drainage Area. This page presents the proposed Suds drainage techniques for the development and meets the requirements of section 4.9.1 of the Epsom & Ewell Council Validation Requirements for Planning Applications.

The Lead Local Flood Authority (Surrey County Council) are consulted on applications that fall within a Critical Drainage Area. Reference has been made to 'Surrey County Council Guide to Sustainable Drainage in Planning' which states that SuDS proposals should follow the discharge hierarchy 5.3:

Option 1: at source reductions and reuse;

Option 2: infiltration to ground;

Option 3: attenuated discharge to a surface water body;

Option 4: to a public surface water sewer,

Option 5: to highway drain, or other private drainage system; or

Option 6: to a combined sewer where there are absolutely no other options, and only where agreed in advance with the relevant sewage undertaker.

No site specific information is available at this stage so the depth of the deposits, and their permeability is unknown. Given the limited extent of the superficial layer it is likely to be shallow and have a restricted capacity for infiltration, but may be suitable for receiving a small volume of runoff.

The total roof area will increase from 139 m² to 178 m², an increase of 39 m², or 28%. The area of the roof will increase but a SuDS system is proposed to prevent an increase in runoff to the surface water drainage system.

It is proposed that rainwater from roof areas will be channelled into an appropriate attenuation and dispersion system sited under the garden. It is intended that this system should infiltrate to ground, in compliance with the 'SCC Guide to Sustainable Drainage in Planning' hierarchy. With the above provisions and the improvement of the permeable surfaces the development will only improve the surface water discharge on the development site.