

Attridge Associates Ltd

Consulting Public Health Engineers

Unit 5 The Crown Enterprise Centre
16 High Street
Seal
Kent TN15 0AJ

T. 01959 569081

SUDS Strategy Statement

39B Consort Road, Peckham, London SE15 2PR

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Southwark BC have requested a SUDS strategy to be outlined in respect of the above project.

In accordance with government policy DM 4 d (Water Management and Flood Risk) & the Mayor of London's Drainage Hierarchy development, the requirements for a sustainable surface water drainage strategy for this project is identified for the new building & site.

The SUDS strategy shall;

Attenuation

A system of in-ground attenuation will be used to limit the peak rate of surface water discharge into the existing public sewer to the sites predevelopment levels.

Storm events shall be attenuated up to a 1 in 100 year 6hr storm with a 30% increase factor added for climate change on site.

We shall provide a site wide FRA [flood risk assessment] to identify any potential for either increasing or decreasing the surface water flow downstream of the project.

Infiltration drainage techniques to dispose of the surface & rainwater to ground have been considered Initial investigations suggest that infiltration will not be viable given the geology of the site.

Rainwater reclamation systems shall be considered for irrigation & or wc flushing.

Measures shall be implemented to prevent pollution of the groundwater.

A program for maintenance of the systems shall be issued.

Methods to be considered;

Attenuation.

Achieved by the use of a varying number of ecological and economically proven systems.

In the case of this project consideration should be given to the storage below ground of rainwater prior to discharge to the authority sewer.

Dispersal. [Considered non-viable]

The use of filter drains composed of granular filled trenches.

The use of soakaways installed using polyethylene granular backfilled crates.

Reclamation.

The use of storage chambers situated below ground to contain the rainwater prior to it being used for irrigation & or wc flushing.

Pollution control.

The surface water system shall comprise of a gravity system reliant upon catchpits for silt retention.

Hardstanding areas, whilst an architectural feature should be considered as permeable layers with discharge to the attenuation system.

Maintenance

The surface water drainage should be visually inspected every six months by lifting all manhole covers and checking the catchpits and gullies.

Any identified blockages in the pipes should be inspected by a CCTV camera survey, jet cleaned and repaired if necessary.

The entire surface water drainage system should be CCTV surveyed every 5 years to identify any damage, blockages or silt build up.

Any identified blockages should be jet cleaned and any damage repaired.