

LOCAL FLOOD RISK MANAGEMENT STRATEGY 2022 – 2028

Appendix 7 Sustainable Drainage Systems (SuDS)



Hull City Council LOCAL FLOOD RISK MANAGEMENT STRATEGY 2022 – 2028

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Overview

Have you ever wondered where the rain goes? Watch this <u>sustainable drainage</u> <u>animation</u> to find out.

What are SuDS?

The principle of SuDs is to mimic natural drainage of surface water. In the natural environment rain is soaked up by plants and trees, soaked up by soil, or flows into watercourses. In urban areas much of the natural drainage has been replaced by hard impermeable surfaces, which rain will quickly run-off, and many of the natural flow paths have been blocked.

Why do we need SuDS?

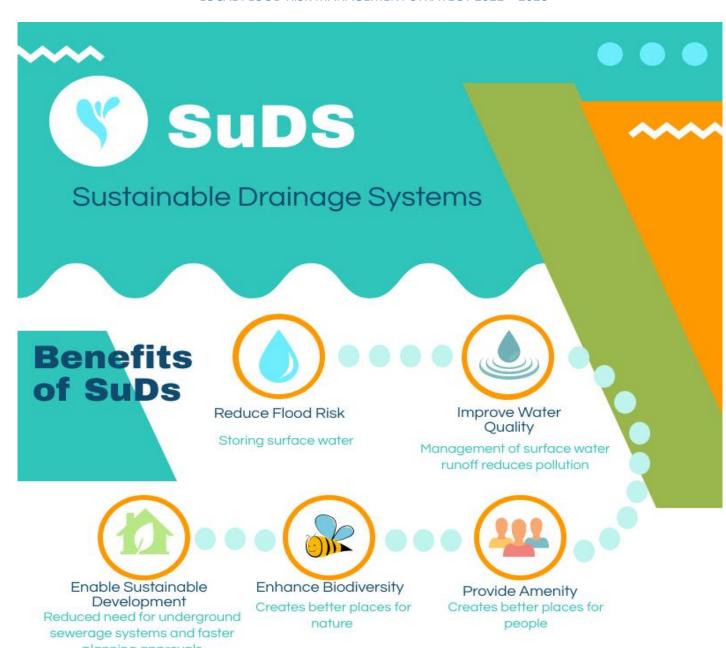
Successive years of development with little consideration into how sites can drain has led to a legacy of artificial drainage systems which are unfit for purpose.

Installing SuDs on new developments is an attempt to recreate natural drainage processes to manage rainwater in a more sustainable and cost-effective way, instead of constantly fighting nature by displacing water and having to provide larger and larger engineered solutions.

In Hull SuDs are required on all new developments as set out in the Local Plan – Policy 39. Guidance on SuDS can be found in the <u>Strategic Flood Risk Assessment</u> and the standing advice matrix can help determine suitable SuDS for a site.

The Living with Water partnership are leading on a programme of works to retrofit SuDs on existing developments to help manage water and adapt to the changing climate. See <u>Hull's Blue Green vision</u> for more information.

If you're interested in installing SuDS then check out the information below and if you need advice on the planning requirements to install SuDS, get in touch with us.





Su**DS in** the lan**dscape**

SuDS work with natural processes to store water in urban areas



Further Information

https://www.susdrain.org/delivering-suds/using-suds/background/sustainable-drainage.html

https://www.bas.ac.uk/aeoloav-projects/suds/

https://www.gov.uk/government/publications/sustainable-urban-drainage-system-suds-techniques-hydraulicstructural-and-water-auality-issues

https://www.rspb.org.uk/globalassets/downloads/documents/positions/planning/sustainable-drainagesystems.pdf