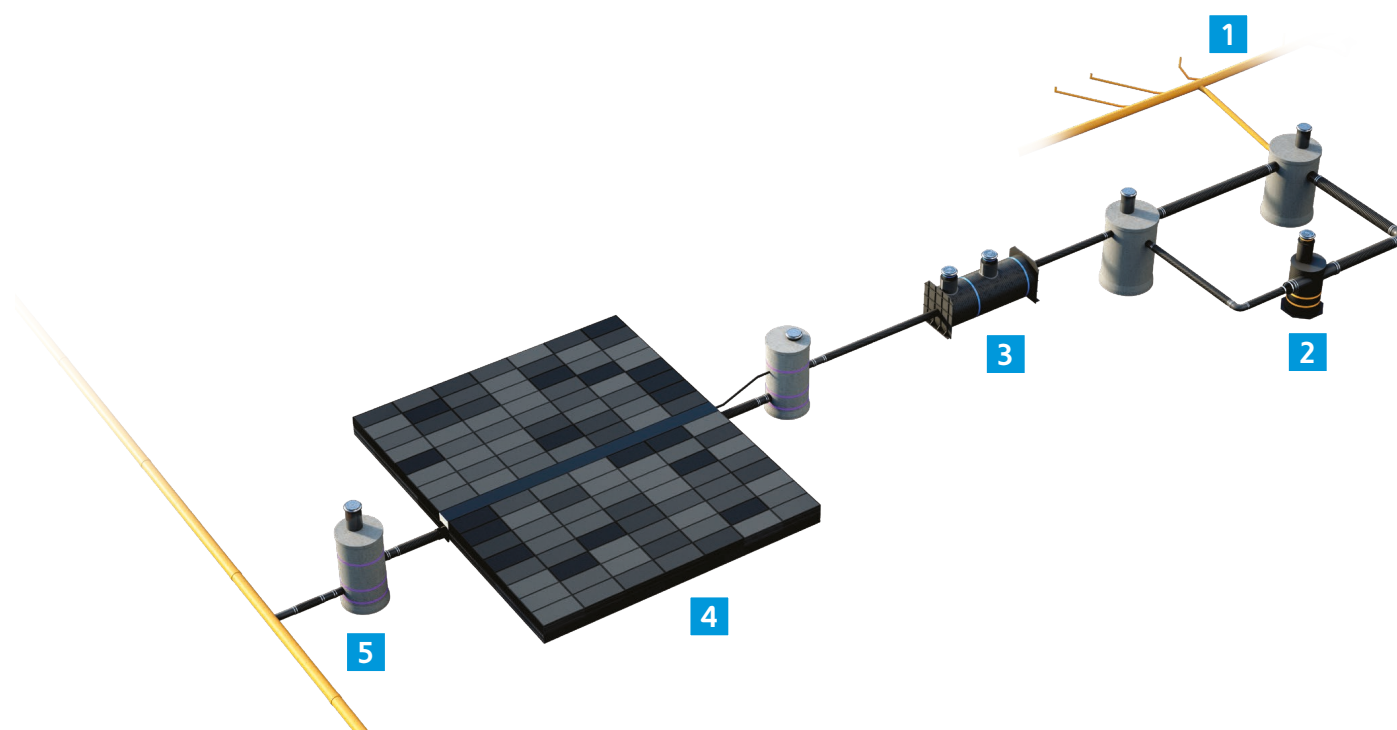


Stormwater Management System

Integrated SuDS – Collection, Treatment, Storage & Release

SDS's integrated water management system provides the definitive solution to ensure that, from the point at which rainfall first meets the ground to the point of ultimate dispersal, surface water runoff can be collected, treated, stored and released efficiently and sustainably.



1

SURFACE WATER RUNOFF IS COLLECTED AND ENTERS THE INTEGRAL SUDS SYSTEM

2

SDS AQUA-SWIRL™ TREATS THE WATER BY REMOVING COARSE SEDIMENTS, DEBRIS AND FREE FLOATING OIL

3

SDS AQUA-FILTER™ REMOVES FINE SEDIMENTS, NUTRIENTS, HEAVY METALS, HYDROCARBONS AND POLY AROMATIC HYDROCARBONS

4

SDS GEOLIGHT® TANKS STORE THE WATER FOR SUBSEQUENT ATTENUATION OR INFILTRATION

5

THE RATE AT WHICH WATER IS RELEASED FROM THE SUDS SYSTEM IS MANAGED BY A FLOW CONTROL DEVICE



SDS AQUA-SWIRL™ AND SDS AQUA-FILTER™

Features	Benefits
Manufactured from high strength HDPE with no moving parts included.	Offers a durable, light weight and low cost alternative to concrete. Easy and quick to install resulting in substantial cost savings.
Compact dimensions and small footprint design.	Reduces ground excavation and product installation costs. Can be retro-fitted with minimal disruption to existing infrastructure utilities or surface features, extending the ability to meet new regulations.
Equipped with lifting supports.	Easy installation without the need for heavy, expensive machinery.
Suitable for use during site construction programme.	Can be put into operation prior to completion of the site build, with the inclusion of a planned maintenance schedule.

SDS GEOLIGHT®

Features	Benefits
Manufactured from post-consumer recycled PVC.	Carries a very low carbon footprint providing outstanding environmental credentials.
Modular format; available in a range of depths and strengths.	Provides design flexibility to overcome topographical and architectural constraints.
High void rate of over 95%.	Maximises water storage capacity whilst minimising volume of earthworks required.
Highly permeable honeycomb structure.	Offers low resistance to water flow.
Unique lateral and vertical filling arrangement.	Requires only a minimum amount of pipework and stone.

All units are readily accessible from the surface, ensuring maintenance can be carried out simply, quickly and cost effectively. All units are available in a range of sizes (SDS Aqua-Swirl™ and SDS Aqua-Filter™) and depths and strengths (SDS GEOLIGHT®)

providing greater design flexibility. Bespoke units can be manufactured to satisfy even the most demanding installations. **Note:** CAD details and specifications are available on request.

SMS DS/0516