

# Sustainable Drainage Systems (SuDS)

Sustainable Drainage Systems (SuDS) are required for all surface water drainage systems for new development. Appropriately designed, constructed and maintained SuDS contribute to sustainable development through mitigation of the many adverse effects of stormwater runoff to the environment.

Key SuDS features include:

- Minimising runoff rates and volumes therefore reducing flooding and flood risk for watercourses;
- Minimising pollutant concentration in stormwater, and hence within receiving watercourses;
- Reducing the volume of surface water runoff into existing combined sewers reducing the occurrence of combined sewer overflows (CSO) spills;
- Enhancement of amenity and aesthetic value to developed areas; and
- Provision and replacement of habitat for wildlife in urban areas and opportunities for biodiversity enhancement.
- Ecological enhancement during design to preserve and enhance nature conservation interest

## Key Services:

- Drainage Impact Assessments
- Flood Risk Assessments
- Catchment Systems analysis
- Hydraulic Modelling
- Designing of SuDs Systems for individual client needs
- Technical Support and Expertise
- Legislative and Regulator Liaison
- Ecological Assessment
- Habitat Creation/Restoration

## Clients:

- SEPA
- Property Developers
- Housing Associations
- Local Authorities
- External Consultants



## Key Projects:

Construction SuDS and surface water management for large scale housing developments  
SuDS design for Residential Developments in rural areas of the West Highlands and Islands  
SuDS designs for New Council Buildings, Donegal, Ireland  
Review of wider value associated with constructed SuDs for SEPA

## Related Services:

- Green Roofs
- Flood Risk Assessment
- Ecology and Biodiversity Services
- Surface Water Management design and services

