

An outline of the expected content for a SuDS Design Statement for a typical housing development

Guidance from Sheffield City Council Planning Service and the Lead Local Flood Authority - 24 April 2015

Note: Planning Practice Guidance: Flood risk and coastal change - Reducing the causes and impacts of flooding: Paragraph: 051 Reference ID: 7-051-20150323

"Sustainable drainage systems are designed to control surface water run off close to where it falls and mimic natural drainage as closely as possible. They provide opportunities to:

- 1. reduce the causes and impacts of flooding;***
- 2. remove pollutants from urban run-off at source;***
- 3. combine water management with green space with benefits for amenity, recreation and wildlife."***

For a typical housing site the following is requested:

- Description and plan showing the characteristics of the site including – topography, ground conditions, natural directions and paths for water movement
- Options analysis of discharge routes offsite (infiltration, watercourse, surface water sewer) with information on any agreements / confirmed information.
- Options analysis of drainage solutions demonstrating considerations of SuDS principles in development layout. Particularly - keeping water on or near the surface from collection to conveyance to storage, the use of sub-catchments and SuDS in sequence from management at source to larger features in open space, integration with landscape. NOTE If no agreement on discharge route has been established alternatives must be explored.
- Outline figures to support drainage options
- Principles of management of return periods both within and external to the drainage system up to 1 in 100 plus climate change
- Proposed management arrangements for all drainage infrastructure including who is responsible, what maintenance activities and how resourced.
- Concept plan and critical sections to demonstrate feasibility of solutions

The most successful SuDS schemes are delivered through a collaboration between the Drainage Engineer and the design team for example, the architect, landscape architect and Highway Engineer.