SuDS in Kent

Bronwyn Buntine
Sustainable Drainage Engineer

Delivering SuDS through:

• Changing the boundaries
• Approval & adoption
• Masterplanning & planning policy
• Opportunities & treasure hunting
SusDrain – SuD it, let’s do it – making SuDS happen

04/06/2013

Changing the boundaries

Challenges
– Highway and non-highway water
– “New” structures and surfaces
– Open space

Capacity building
– Pilot assessment/approval
– Pre-application discussion
– Consultation with planners
– Workshops and seminars

Approval & Adoption

• Key step
  – Interim Adoption Regime
    o Within highway boundary
    o Highway & non-highway water
    o Range of SuDS including permeable pavement
    o Voluntary for both parties
    o Commuted sums & fee
Approval & Adoption

- Key step
  - Interim Adoption Regime
- Pre-application discussions
  - S38 agreements
  - Residential schemes
  - Schools
- Revision of technical guidance
  - Soakaway Design Guide

Masterplanning & Planning Policy

- Examine site topography & geology
- Create a spatial framework for SuDS
- Look for multifunctional spaces
- Integrate the street network with SuDS
- Cluster land uses to manage pollution

SuDS can be designed without urban design input, but this leads to the creation of water management features that are disconnected with the character and aesthetic of the place. Making SuDS attractive and integrating their design with other urban features (ie roads and public open space) is vital to their acceptance, performance and longevity.

CIRIA C687

Figure 4.3
Planning for SuDS - making it happen
CIRIA C687
Masterplanning & Planning Policy

SE7 & Partners

Masterplanning for SuDS

- Working with partners
- Aimed at planners
- Definition of common designs
- Encourage creativity
- Promotion of SuDS

Opportunities & Treasure

- Retrofit locations
  - S38s
  - SWMPs
  - Flood improvements
- Existing schemes
  - Existing knowledge
  - “Good(-ish)” practice
  - Reflection
- Kent County estate
Key elements of Kent’s Response

- Facilitate development by setting direction
- Communication and capacity building

Key elements for SuDS Delivery

- Facilitate development by setting direction
- Communication and capacity building
- Promotion of SuDS
- Encourage treasure hunting