

SuDS



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Flood and Water Management Act 2010

- Pitt Report
- Lead Local Flood Authorities and Flood Risk Management Teams
- Strategy, Investigations, Register, Sustainable Development, Land Drainage, Reservoirs
- Future – Sustainable development / SuDS Approving Bodies (SAB)

Why SuDS

- Aim – to reduce flooding on and off site in a more sustainable manner, providing for the future
 - Reduced Surface Water run off
 - Water Quality – WFD
 - Water Supply – Aquifers
 - Create flood water capacity for small events
 - Reduce pressure on water treatment works
 - Environmental pressures / habitat creation
 - Sustainable futures
 - Sustainable maintenance

Why Now

- Not new
- CIRIA pressing for better use of SuDS
- Soakaways and other solutions but not general surface water
- Developers and adopting authorities like pipes
 - Uncertainty over performance
 - Concerns over adoption / maintenance
 - Liability / Risk

Common Misconceptions

- An oversized water feature is SuDS
- Pipes and a huge tank are SuDS
- SuDS are more expensive
- SuDS don't work



What are SuDS

- A systematic and managed train of events designed to return clean water to the ground, at or near to its point of fall
- An opportunity to replicate the natural balance of green field sites and to return brownfield sites to a more sustainable future
- An opportunity to provide a self sustaining means of disposing of surface water on site whilst enhancing the built environment and providing an improved bio diversity

How are LAs approaching SuDS

- DCC
 - New post
 - Planning Engagement
 - Policies and Procedures
 - Prepared for April 2014 with Agency assistance
- Concerns over:-
 - Resources
 - Adoption methodology and risks
 - Future maintenance and funding
 - Guidance – not forthcoming

Planning Engagement

- Essential
- LLFAs can provide data on;
 - Historic Events
 - Likely future flooding
 - SuDS suitability / BGS
- Aims – reduced flooding on and off site S106
- Experience to date 50/50

SAB Process

- Separate to planning process – but both required
- Early engagement essential to achieve principals
- Design checks for capacity, future maintenance (CDM) and water quality
 - Off the shelf solutions for small schemes
 - Detailed Design checks for larger sites
- Administration similar to S38
 - Approvals, fees, agreements and bonds
 - Inspections
 - Adoptions

Questions?

Thank you

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