Developer Day Sustainable Drainage

Building a greener future for the North West

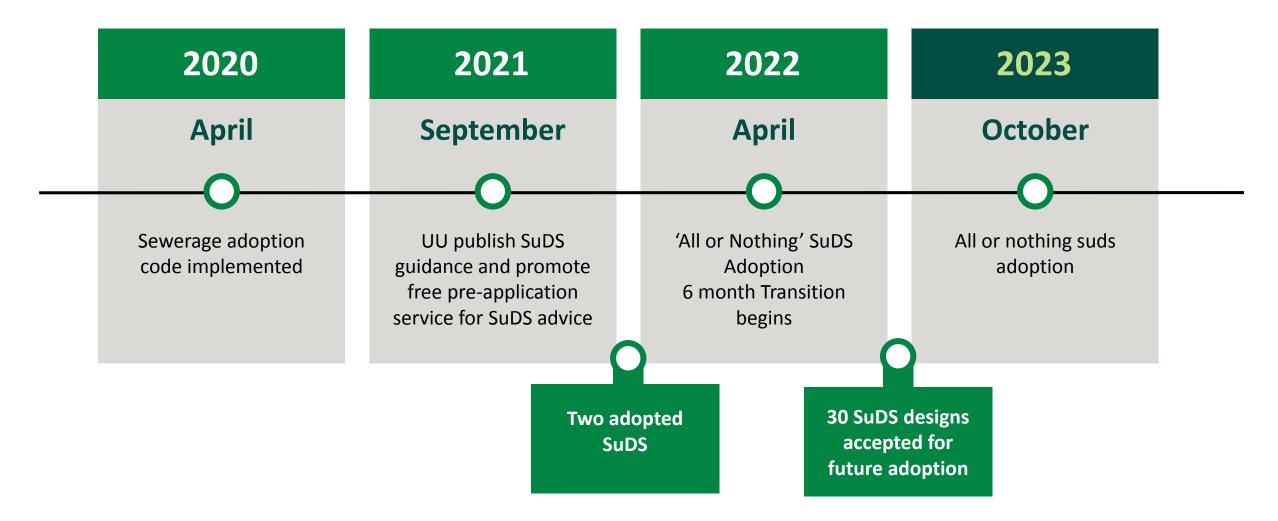
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Water for the North West

SuDS adoption timeline

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SuDS adoption policy

Applicable to all new S104 surface water sewerage adoption applications that include SuDS from 1 October 2022.

Applications will:

- Include any SuDS that are acting as sewers (serving at least 2 properties) that form part of a continuous network, we refer to this as an 'all or nothing' adoption policy.
- Serve predominantly domestic properties.

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- Be assessed against the standards within the sewerage sector guidance (design & construction guidance & CIRIA SuDS manual)
- Incorporate SuDS as part of a management train of drainage features.

Applications will not:

- Allow sewers to be offered for adoption that discharge to privately owned SuDS components.
- Include off-line exceedance overflow storage for adoption
- Permit land drainage connectivity into adoptable SuDS.
- Include adoptable SuDS located in private property curtilage

SuDS adoption policy

Roles and responsibilities

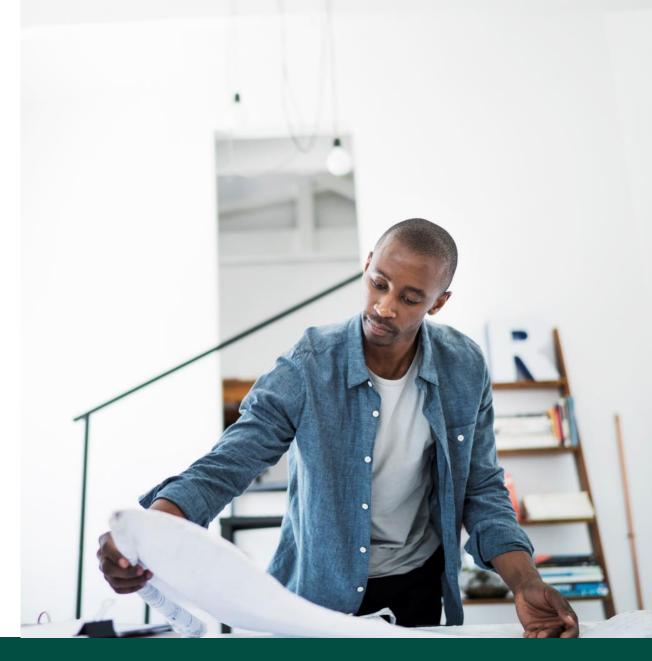
UU SuDS responsibilities

- Adoption of the function as a sewer. (upon adoption will maintain this)
- Rights to access SuDS via deed of grant easement with the land owner

Developer/landowner SuDS responsibilities

- All management of the amenity, aesthetics (grass cutting)
- all planning conditions associated with open space and landscaping
- Long term Landscaping Biodiversity management plan

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What SuDS can we adopt?

Updated SuDS guidance

New guidance







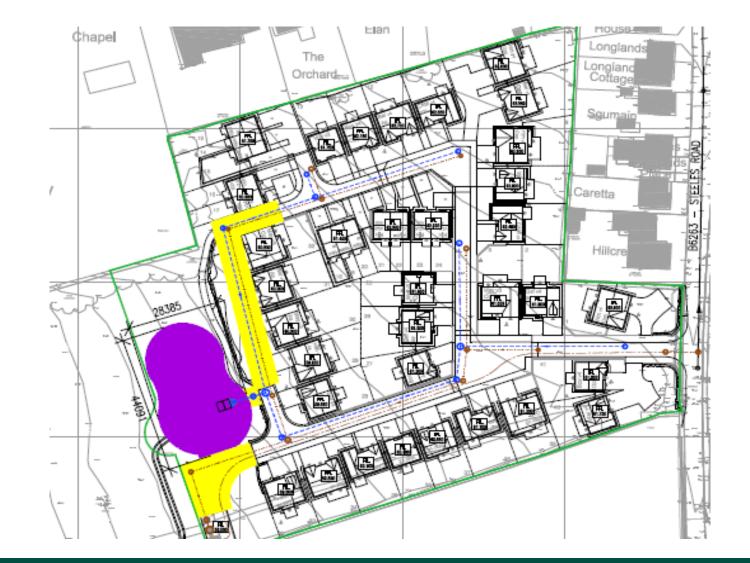
Ponds and wetlands



Bio-retention systems

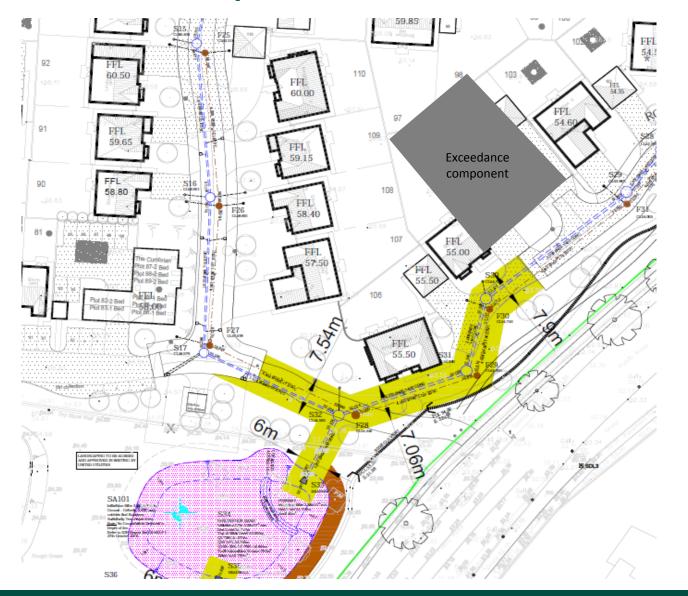
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Adoptable communal infiltration solution



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Adoptable inline SuDS



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1. Are you clear on what this policy means for you? Yes No

2. What maintenance activities rest with developers/ landowners following adoption by UU? (select any that apply)

Grass cutting Litter removal Dealing with vegetation De-silting





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SuDS design guidance

SuDS technical library



Sample S104 technical appraisal forms

SuDS FAQ's

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Please note: this is a sample document to support designers in the preparation of designs under Section 104

S104 SuDS Technical Appraisal Form Basin

Version 2 (June 22)

Proposed Section 104 Development at

UU Reference

Section 1 - Information required for SuDS assessment

Note: any item selected as 'not submitted' will need to be provided to support and progress the application to Technical Acceptance.





3.Has the SuDS guidance and example appraisal sheets in our Technical library on the website been useful?

Yes No Haven't needed to use it yet

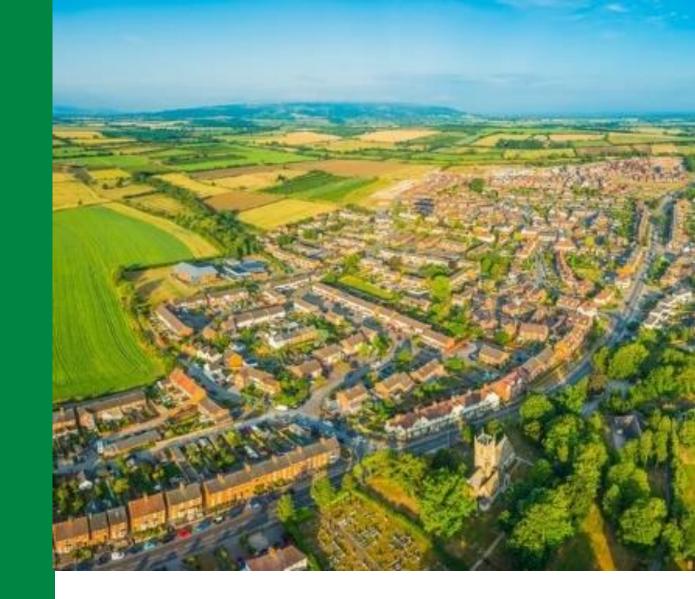


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Sustainable Drainage Systems (SuDS)

Planning practice guidance changes and their effect on suds design

Laura Bigley Lancashire County Council



In partnership with:





Planning practice guidance update What is the change?

Updates to the Planning Practice Guidance were published on 25 August 2022. There are a number of significant changes, including:

'Sustainable drainage systems (or SuDS) are designed to control surface water run off close to where it falls, combining a mixture of built and nature-based techniques to mimic natural drainage as closely as possible, and accounting for the predicted impacts of climate change. They provide benefits for water quantity, water quality, biodiversity and amenity.' **Paragraph 055, Flood Risk and Coastal Change: Planning Practice Guidance**

Clarification from the Environment Agency is clear that:

To be considered a 'SuDS', drainage systems must now meet the four pillars. Therefore, as per NPPF paras 167c and 169, if drainage proposals for developments requiring SuDS (majors and development in flood risk areas) don't include SuDS meeting the four pillars, the applicant would have to provide 'clear evidence' that doing so would be 'inappropriate.

Hence there is a need to ensure SuDS proposals deliver on the four pillars of SuDS (and not just quantity) to satisfy Lead Local Flood Authorities and Local Planning Authorities.





Planning practice guidance update The North West SuDS Pro-forma

- However, we recognise there are challenges to this which we face as much as you. For example, it is unclear how 'amenity' is to be measured or considered on SuDS.
- The Sustainable Drainage Pro-forma for the North West is a tool which acts as a checklist in helping you evidence your approach to SuDS design.
- United Utilities and Lead Local Flood Authorities across our region encourage you to submit that with your predevelopment enquires and planning applications.
- You can download a copy at 'the flood hub' <u>https://thefloodhub.co.uk/wp-</u> <u>content/uploads/2020/05/FAQs_Launch_Final.pdf</u>



4. Do you or your drainage consultant complete the NW SuDS pro-forma SPD (supplementary planning document) as part of your planning applications?

Yes No Don't know what it is Depends on the council area

5. If so at what stage are they completed?

Outline Full Reserved Matters N/A

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6. Would there be any problem supplying a completed NW SuDS pro-forma with S104 applications?

Yes No

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7. What section of the NW SuDS pro-forma do you struggle to satisfy throughout the planning application process? (select all that apply)

Section 3 – Peak runoff rates Section 4 – Discharge volume Section 5 – Storage requirements Section 6 – Water quality protection Section 7 – Details of SuDS Section 8 – Operation and maintenance



How can we get more SuDS components?

We are keen to understand what property level SuDS components are popular with house buyers, and why this is.

We recognise that many Local Authorities are currently unable to allow property level SuDS components to be included within the drainage calculations. Concerns are that residents may remove SuDS components and the cumulative impact this could have on storage capacity.

In this session, we'd like to explore how this challenge could be addressed to enable you to deliver property level SuDS components house buyers want and which Local Authorities are able to accept within drainage calculations.



8. What property level SuDS components are your customers most likely to want?

Rain garden Soakaway Water Butt Green/Blue Roof Rainwater harvesting Permeable paving

9. Do you consider the potential for future removal/modification of property level SuDS components an issue?

Yes – A big issue Yes – A small issue Maybe / Unsure No

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10. What do you consider the best option for ensuring property level SuDS are not removed?

Section 106 agreement with Local Planning Authority Designation of features under Schedule 1 of the FWMA Local land charge Management companies with easements Other



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