

## Minor Applications Sustainable Drainage Strategy checklist

### Site details

<b>Site name</b>	
<b>Site location and coordinates</b>	
<b>Site description</b>	
<b>Total site area (ha)</b>	
<b>Greenfield/previously developed?</b>	
<b>Existing impermeable area</b>	
<b>Proposed impermeable area</b>	
<b>Type of development</b>	

The checklist should be completed by the applicant and submitted alongside the planning application.

## Sustainable drainage strategy

A sustainable drainage strategy will be required appropriate to the level of application and the size of the development. Requirements relate to the Somerset SuDS standards, which are available on our website.

Evidence required	Format of evidence	Full	Discharge of conditions	Validated
<b>Documentation validation quick check</b>				
Water quantity statement	Report, calculations, drawings	✓	✓	
Water quality statement	Report, calculations	✓	✓	
Biodiversity statement	Report	✓	✓	
Climate change statement	Report	✓	✓	
Amenity and Health and Safety statement	Report	✓	✓	
Maintenance and operation plan	Report	✓	✓	
Construction method statement	Report	✓	✓	
Layout drawing of the proposed surface water drainage system. To include locations of: SuDS features, manholes, external pipework, attenuation features, and discharge locations	Drawing	✓	✓	
Detailed drawings of proposed features. To include (where applicable): infiltration structures, attenuation features, pumping stations and outfall structures	Drawing	✓	✓	
Map / detailed drawing identifying exceedance routes	Drawing	✓	✓	

Evidence required	Format of evidence	Full	Discharge of conditions	Validated
<b>Sustainable Drainage Strategy detailed checklist</b>				
<b>Water quantity statement</b>				
<b>Standard L1</b>				
Discharge destination, and evidence that discharge from the site has been prioritised according to the drainage hierarchy	Report	✓	✓	
Where infiltration is proposed, results of BRE Digest 365 infiltration testing/ground investigation report.	Report Calculations	✓	✓	
Agreement from the relevant authority to make a connection to the proposed watercourse, sewer or local authority asset.	Report Correspondence	✓ (in principle)	✓	
<b>Standard L2: Runoff rate</b>				
Evidence that peak runoff rate from the development for the following events does not exceed peak greenfield runoff rate for the same event: <ul style="list-style-type: none"> <li>1 in 2-year</li> <li>1 in 30-year</li> <li>1 in 100-year</li> </ul> <p>If not feasible, a detailed justification statement demonstrating the maximum achievable betterment on runoff rates and quality</p>	Report Calculations	✓	✓	
	Report Calculations	✓	✓	
Within the River Tone catchment, evidence that discharge is limited to 2 l/s/ha.		✓	✓	
Assessment of capacity, where use of an existing drainage system within a site is proposed.	Calculations	✓	✓	
<b>Standard L3: Runoff volume</b>				
Calculation of attenuation volume required for the site, and the proposed discharge method, in line with the SuDS hierarchy.	Calculations	✓	✓	
Evidence that runoff volume from the development for the 1 in 100-year, 6-hour rainfall event does not exceed the greenfield volume for the same event.	Report Calculations	✓	✓	

Evidence required	Format of evidence	Full	Discharge of conditions	Validated
If not feasible, a detailed justification statement demonstrating the maximum achievable betterment on runoff rates and quality	Report Calculations	✓	✓	
Plan showing where attenuation and long-term storage will be located within the site	Drawing	✓	✓	
<b>Standard L4: Drain-down time</b>				
Evidence that components are designed to drain down within a suitable timescale (e.g. half-empty 24 hours after a storm event).	Report Calculations	✓	✓	
<b>Standard L5: Climate change and urban creep</b>				
Evidence that the recommended climate change allowance has been applied to post-development runoff	Report Calculations	✓	✓	
<b>Standard L6 to L8: Flood risk within the development</b>				
Evidence that the SuDS system has been designed to: <ul style="list-style-type: none"> <li>not flood any part of the site for a 1 in 30-year rainfall event;</li> <li>not flood any building or utility plant within the development in a 1 in 100-year plus climate change event</li> <li>retain any flooding within 1 in 100-year plus climate change rainfall event within the site boundary</li> </ul>	Report Calculations	✓	✓	
Statement that safe exceedance routes are provided for rainfall in excess of a 1 in 100-year plus climate change event, including a map showing existing drainage features and flow routes	Report, drawing	✓	✓	
If not feasible, a detailed justification statement outlining the reason why the standard cannot be met, and how the flood risk will be mitigated.	Report Calculations	✓		
<b>Standard L9: Buffer for infiltration SuDS</b>				
Evidence of groundwater monitoring trial pit or borehole investigations showing highest groundwater level is more than 1.0m below the base of proposed infiltration SuDS feature e.g. ground investigation report	Report	✓	✓	
Desk-based assessment of ground conditions and proof of concept of alternative drainage proposal (if appropriate)	Report			

Evidence required	Format of evidence	Full	Discharge of conditions	Validated
<b>Water quality statement</b>				
<b>L10: Interception</b>				
Demonstration of how the first 5mm of rainfall will be intercepted and treated using source control methods.	Report Calculations	✓	✓	
<b>L11: Treatment train approach</b>				
Appropriate water quality assessment:  Low to medium hazard level sites (e.g. residential, commercial) <ul style="list-style-type: none"> <li>CIRIA SuDS Manual Simple Index Approach calculations.</li> </ul> High hazard level sites (e.g. industrial): <ul style="list-style-type: none"> <li>detailed risk assessment (may be as part of Water Framework Directive compliance assessment)</li> <li>Evidence of environmental permits, where required</li> </ul>	Report Calculations  Report Calculations	✓  ✓	✓  ✓	
Evidence of consultation with the appropriate regulator, for sites draining to sensitive water bodies (e.g. SSSIs, SDBC).	Report Correspondence	✓	✓	
<b>Biodiversity statement</b>				
<b>L12: Vegetated SuDS</b>				
Evidence that maximum use has been made of vegetated SuDS and/or source control in the design  If not feasible, a detailed justification statement outlining an alternative proposal which still delivers benefits.	Report Drawings Report Drawings	✓  ✓	✓  ✓	
<b>L13: Contribute to meeting local and national policy on biodiversity</b>				
Statement demonstrating how SuDS contribute to national and local policy on biodiversity	Report Calculations	✓	✓	

Evidence required	Format of evidence	Full	Discharge of conditions	Validated
<b>Climate change statement</b>				
<b>L14: Climate change resilience</b>				
Statement demonstrating how SuDS contribute to carbon sequestration (e.g. trees) and or use of vegetation to moderate temperatures	Report	✓	✓	
<b>Amenity and health and safety statement</b>				
<b>L15: Multifunctional use of space</b>				
Evidence that opportunities have been taken to provide recreation and promote education, health and wellbeing.	Report	✓	✓	
<b>L16: Safety</b>				
Evidence that the proposed drainage components are designed for safety following CIRIA SuDS Manual design criteria	Report Drawings	✓	✓	
Designer's Risk Assessment under CDM regulations	Report	✓	✓	
<b>Maintenance and Operation Plan</b>				
<b>L17: Easy/passive maintenance</b>				
Maintenance and Operation Plan (See the Maintenance pages of our website for more detail) covering the proposed drainage system over its lifetime	Report	✓	✓	
Agreement from potential adopting body of adoption of the proposed system and acceptance of operation and maintenance costs	Report, letter/email correspondence	✓ (in principle)	✓ (written confirmation)	
<b>L18: Pumping</b>				
If it is not possible to design a solution without using pumping, a detailed justification statement explaining why pumping is required, detailed plans for maintenance of the pump, and how the risk of pump failure will be mitigated.	Report	✓	✓	
<b>Construction Method Statement</b>				
<b>L19: Manage surface water runoff during the construction phase</b>				
Construction method statement outlining the proposed strategy for sediment control and site drainage during construction	Report	✓	✓	

<b>Evidence required</b>	<b>Format of evidence</b>	<b>Full</b>	<b>Discharge of conditions</b>	<b>Validated</b>
Record of all necessary consents obtained for on or off-site works.	Certificate or letter/email correspondence	✓	✓	