

## Validation Checklist to support Surface Water Drainage Strategy

ltem	Description	Reference (To be completed by applicant)	Submitted (Tick as
1	Site Surveys	by applicanty	appropriate)
	A topographical survey of the site, including		
	cross-sections of any adjacent water courses for		
	appropriate distance upstream and downstream		
	of discharge point (as agreed with the LLFA)		
	Details of the existing site layout, drainage		
	system and catchment areas, if appropriate		
	Details of the existing geology and hydrogeology		
	(for sites with high groundwater table)		
	Ground investigations, (including groundwater and contamination), and infiltration tests		
	Surveys of any existing drainage systems or water bodies to which the SuDS may discharge		
2	Plans		
	A detailed site layout at an identified scale (with a North point) of the proposed drainage system with catchment areas		
	Long and cross sections for the proposed drainage system including impermeable areas (at an identified scale)		
	A plan for the management of construction to include; phasing and maintaining the system (including access arrangements, operational characteristics) and the details of any offsite works required, together with any necessary consents period and any impacts, such as diversions and erosion control.		
	A health and safety plan, if appropriate, considering areas of open water and confined space entry		
	Suitable construction details and details of connections (including flow control devices) to discharge points		
	Landscape planting scheme if proposing vegetated drainage system		

	A maintenance plan setting out how to maintain the full drainage system following construction	
	for the lifetime of the development)	
3	Assessment	
	Full design calculations and design parameters to demonstrate conformity with the design criteria for the site	
	An assessment demonstrating flooded areas for the 1 in 100 year storm when system is at capacity and demonstrating flow paths for design for exceedance	
	Design criteria in relation to/from ground contamination, infiltration tests, ground water assessments and soil stability	
	Any requirements for temporary drainage features or discharge points during construction (including details of pollution prevention measures)	
-		
4	Supplementary Evidence	
	Confirmation of discharge location (proof of third	
	Confirmation of discharge consent	
	Discharge capacity analysis (where discharging into existing sewers)	
_		
5	For Large Sites, to be constructed in phases	
	Sile master plan	
	Confirmation of run-off dostination	
	Full details of responsibility for controlling the	
	overall surface water management of the site prior to adoption	
	Full details of individual development plot discharge and storage constraints	
	Details for design, construction, maintenance and adoption of the regional and/or linking	
	Individual development plot / parcel parameters:	
	<ul> <li>Percentage of impermeable area</li> </ul>	
	<ul> <li>Allowable discharge rate</li> </ul>	
	<ul> <li>Point of discharge</li> </ul>	
	<ul> <li>Min volume of on-plot attenuation</li> </ul>	
	<ul> <li>Recommended suite of SuDS</li> </ul>	
	Tecnniques to be used	
	to manage and mitigate flood risk	