

Flood Risk Validation Checklist for Planning Applications

SITE NAME	
DATE	

1. Proforma

Description	Document/Drawing Ref and Page No. APPLICANT TO COMPLETE	Submitted? (Yes/No) LPA TO CHECK
Application only be validated by LPA if the LLFA surface water proforma is completed and attached		

2. Site Surveys (if appropriate)

Description	Document/Drawing Ref and Page No. APPLICANT TO COMPLETE	Submitted? (Yes/No) LPA TO CHECK
Topographic survey		
Details of existing site layout, drainage, and catchment areas plus pre- and post-development impermeable areas		
Evidence of % increase for urban creep and how it has been applied to post-development calculations		
Ground investigation including groundwater level information (for seasonally high groundwater level), potential contamination and infiltration testing (to BRE365 or similar)		
Existing drainage scheme survey, e.g., CCTV or historic plans		
Survey of existing waterbodies, e.g., watercourses, ponds or springs and culverts or bridges		

3. Plans and Drawings

Description	Document/Drawing Ref and Page No. APPLICANT TO COMPLETE	Submitted? (Yes/No) LPA TO CHECK
Layout drawing including drainage scheme SuDS and other water features. Including invert levels, cover levels, conveyance systems any pipe gradients, flow directions and labels that match any drainage modelling calculations. Outfall locations, control devices, attenuation systems and water quality treatment features.		

Description	Document/Drawing Ref and Page No. APPLICANT TO COMPLETE	Submitted? (Yes/No) LPA TO CHECK
High level construction management plan including phasing access arrangements and operational characteristics. Temporary drainage and water pollution including discharge points and flow controls should be included.		
Landscaping planting scheme for vegetated SuDS		
Maintenance plan and confirmation in principle of adopting authority for the lifetime of the development		

4. Assessments

Description	Document/Drawing Ref and Page No. APPLICANT TO COMPLETE	Submitted? (Yes/No) LPA TO CHECK
Evidence that that the SuDS hierarchy and the 4 pillars have been met		
Full supporting calculations for the drainage design including design parameters using FEH and predevelopment greenfield runoff rates/volumes		
Critical storm simulation results of the conveyance network by level and discharge for events 100% AEP, 3.33% AEP, 3.33% AEP plus climate change, 1% AEP and 1% AEP plus climate change		
Evidence of calculations to support the sizing of storage features to accommodate the 3.33% AEP plus climate change and 1% AEP climate change critical storms		
Evidence and drawing of where any flooding would occur during a 1% AEP plus climate change critical storm event would occur. Information should include extent, depth, and velocity of flooding, demonstrating that it would not leave the site boundary.		
Flood resistance and resilience measures 300mm above flood levels		
Drawing showing exceedance flows greater than 1% AEP plus climate change or if the drainage system is compromised		

5. Supplementary Evidence

Description	Document/Drawing Ref and Page No. APPLICANT TO COMPLETE	Submitted? (Yes/No) LPA TO CHECK
Confirmation of discharge location approval (in principal agreements from third parties if appropriate)		
Confirmation of any consents required		
Evidence of predevelopment discharge capacity analysis (where discharging from an existing pipe)		