

Proposed Validation list to be used by LPAS, prior to consultation

Item	Description	APPLICANT TO COMPLETE Document Reference and page number	LPA to check if it has been submitted (Yes/No)
1	Site Surveys (if appropriate)		
	Topographic survey	FRA Appendix E	
	Details of existing site layout, drainage, and catchment areas plus pre and post development impermeable areas	FRA Appendix K	
	Evidence of % increase for urban creep and how it's been applied to post development calculations	FRA Appendix K – Preliminary Surface Water Drainage Strategy	
	Ground investigation including groundwater level information (for seasonally high groundwater level), potential contamination and infiltration testing (to BRE365 or similar)	FRA Section 7 and Appendix I	
	Existing drainage scheme survey e.g., CCTV or historic plans	FRA Appendix E	
	Survey of existing waterbodies e.g., watercourses, ponds or springs and culverts or bridges	FRA Appendix E	
2	Plans and Drawings		
	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.	FRA Appendix K – Preliminary Surface Water Drainage Strategy	
	High level construction management plan including phasing access arrangements and operational characteristics. Temporary		

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	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	FRA Section 10 page 33	
3	Assessments		
	Evidence that that the SuDS hierarchy and the 4 pillars have been met.	FRA Section 10 page 28	
	Full supporting calculations for the drainage design including design parameters using FEH 13 and predevelopment greenfield runoff rates / volumes.	FRA Appendix L	
	Critical storm simulation results of the conveyance network by level and discharge for events 100%, 3.33%, 3.33% plus climate change, 1% and 1% AEP plus climate change	FRA Appendix L	
	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.	FRA Appendix L	
	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.	FRA Appendix K – pre and post development flow exceedance plans	

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	Flood resistance and resilience measures 300mm above flood levels	FRA Section 9 page 21	
	Drawing showing exceedance flows greater than 1% AEP plus climate change or if the drainage system is compromised.	FRA Appendix K – pre and post development flow exceedance plans	
4	Supplementary Evidence		
	Confirmation of discharge location approval (in principal agreements from third parties if appropriate)	n/a	
	Confirmation of any consents required	n/a	
	Evidence of predevelopment discharge capacity analysis (where discharging from an existing pipe).	FRA Section 10 page 28	