

Sustainability Design and Construction checklist

Policy Driver	TRANSPORT	
ENV3 ENV7 ENV8 INF4 INF7	Have you demonstrated that the development is in the most suitable location for access by public transport, walking and cycling, reducing the need to travel by private car?	Y [√] N Tick as appropriate. (in separate report) (in Design and Access Statement) [√] (on plans)
	Have you demonstrated how the development proposals give priority for walking and cycling over cars, linking the development with the surrounding walking and cycling network including planned projects?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Will the proposed walking and cycling provision be in place by first occupation of the development so that sustainable travel patterns can be established at an early stage?	Y [√] N Tick as appropriate. (in separate report) [√] (in Design and Access Statement) (on plans)
	Where car parking is provided, has provision been made for electric vehicle charging?	Y [√] N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Have any 'softer' measures been included, to encourage uptake of more sustainable modes of transport?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Does the development inhibit the expansion of high-quality public transport/cycling and walking routes?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

Policy Driver	ENERGY AND CARBON REDUCTION	
ENV3 ENV7 ENV8 INF4 INF7	For residential schemes have you followed the energy hierarchy in order to achieve a reduction as per building regulations?	Y [√] N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	For non-residential development, have you carried out a BREEAM pre-assessment and met the mandatory energy requirements for BREEAM 'very good'?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans) [√]
	How will you ensure that where renewable/low carbon technologies have been included in the approach to meeting the above carbon reduction requirements, these will be successfully integrated into the design of the development?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

Policy Driver	WATER EFFICIENCY	
ENV3 ENV7 ENV8 INF4 INF7	For residential development have you prepared a Sustainability Statement setting out how your proposal will reduce the need for water?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	For non-residential development have you included information to demonstrate that your proposal will be able to meet the requirement for achievement the BREEAM assessment?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Have you considered water re-use as part of the sustainable drainage strategy for the site as part of an integrated approach to water management?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Are you incorporating fittings that improve on the requirements of Part G of the building regulations?	Y [√] N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Have you incorporated a rainwater or grey water recycling system in your scheme?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

Policy Driver	CLIMATE CHANGE ADAPTATION	
ENV3 ENV7 ENV8 INF4 INF7	Have you integrated measures to design out the risk of overheating, giving priority to architectural approaches in line with the cooling hierarchy?	Y [√] N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Have you undertaken overheating analysis following the CIBSE methodology and utilising future climate scenarios?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Have you considered the role of green infrastructure and cool materials in enhancing the adaptive capacity of your proposal?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Where there are existing trees on your site, including ancient and veteran trees, how has the retention of these trees informed the layout of your development?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	How have you integrated the planting of new trees into your proposals, considering the right tree in the right place principle?	Y [√] N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans) [√]
	Where you are proposing to utilise thermal mass to help regulate internal temperatures, has this thermal mass been designed to be exposed and what is the strategy to enable night purge ventilation?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Does your scheme generate and store energy from renewable sources? such as from photovoltaic cells/solar panels for example?	Y [√] N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Do low and/or zero carbon technologies form part of the low energy solution to reduce CO2 emissions (e.g. solar hot water; PV, wind, water or energy from waste)?	Y N [√] Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

Policy Driver	BIODIVERSITY AND GEODIVERSITY	
ENV3 ENV4 ENV7 ENV8 ENV11	Has a Preliminary Ecological Assessment and Protected Species Scoping Survey been conducted, with enough detail given the nature and size of the site and the proposed development?	Y ✓ N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	If a protected or priority species and/or habitats have been identified, has a specialist been engaged to conduct a detailed survey?	Y ✓ N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Has/will all the relevant information from these surveys been provided?	Y ✓ N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Has the Mitigation hierarchy been followed, demonstrating how existing habitats and species have been protected in the proposed ecological and landscape strategy? http://www.csbi.org.uk/our-work/mitigation-hierarchy-guide/	Y ✓ N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Has the mitigation hierarchy been followed, demonstrating how any potentially adverse effects have been mitigated?	Y ✓ N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Has the mitigation hierarchy been followed, demonstrating that adequate compensation measures have been proposed on or offsite, where it is agreed that damage is unavoidable?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Has it been demonstrated that the proposals will deliver biodiversity net gain, with use of the DEFRA Biodiversity Offsetting metric?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

Policy Driver	POLLUTION	
ENV3 ENV7 ENV8	For all development with artificial lighting has a statement of the need for lighting been submitted and have the principles of an external lighting strategy	Y√ N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Has the development taken measures to reduce light pollution impacts on character, residential amenity and biodiversity?	Y√ N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	For substantive large-scale lighting installations such as the floodlighting of external recreational and sporting facilities/pitches or transport interchanges has a detailed lighting assessment been undertaken by a qualified Lighting Engineer or lighting company	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	For Environmental Impact Assessment (EIA) development has a lighting impact assessment been undertaken having regard to and in accordance with the Institute of Lighting Professionals 'PLG04 - Guidance on Undertaking Environmental Lighting Impact Assessments'?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	For any proposal for the display of illuminated advertisements has the relevant information been provided?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

Policy Driver	CONTAMINATED LAND	
ENV3 ENV7	Is the development site's land use history known? Is the site potentially affected by land contamination (including ground water contamination) that could result in unacceptable risks e.g. a previous potentially contaminative industrial or similar use on site or ground gases? If yes, as a minimum, has a land contamination desk top study with risk assessment and site walk-over been undertaken and included with the application?	Y N√ Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

Policy Driver	CONSTRUCTION STANDARDS (BREEAM)	
ENV3	If your proposal involves the re-use/re-development of existing buildings, have you developed a bespoke approach to sustainable construction standards and what form does this bespoke approach take?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)√
	Where BREEAM has been used, has a BREEAM pre-assessment been prepared for submission with your planning application?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

Policy Driver	HERITAGE ASSETS AND CLIMATE CHANGE	
ENV2 ENV3	Where works to a heritage asset to address climate change are proposed, have you undertaken studies to ensure that your proposals are based on a thorough understanding of the building's historic evolution and construction (where these matters relate to the heritage significance of the asset), architectural and historic significance?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Have you undertaken an assessment of the building's existing environmental performance, and how have your proposals been informed by this work?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Have you developed a building monitoring and management strategy in order to assess the ongoing impact of the implemented measures on the asset's historic fabric?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	How have you factored in the potential for remediation works should ongoing monitoring identify that measures are leading to harm to the heritage asset?	Y N Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

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Policy Driver	RECYCLING AND WASTE FACILITIES CONSTRUCTION WASTE	
ENV3	Has the size and location of recycling and waste facilities, both for storage and collection, been factored into the design of the proposals?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	<p>Have measures been put in place to:</p> <ul style="list-style-type: none"> • Reduce the amount of construction waste generated by the proposals, including the use of single-use plastics where alternative options exist; and • Re-use and recycle remaining construction waste <p>(Non-residential schemes should refer to the BREEAM assessment)</p>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)

Policy Driver	OTHER SUSTAINABILITY CONSIDERATIONS	
ENV3	<p>Has a target been set for improving the environmental impact of materials used in constructing the development, with consideration given to the embodied carbon of materials?</p> <p>Non-residential schemes should refer to the BREEAM assessment. Residential schemes should give consideration to use of the Green Guide to Specification, certification schemes for specific materials with further information available at: http://www.greenbooklive.com/</p>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Has consideration been given to the role of smart technologies in the design of your proposals, considering the role that such technologies could play in both the construction and operational phases of the development?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)
	Have you considered measures to enable residents/building owners to more easily retrofit their property in the future e.g. low temperature heating systems or 'stage 1 fit' pipework for rainwater harvesting?	Y <input type="checkbox"/> N <input type="checkbox"/> Tick as appropriate. (in separate report) (in Design and Access Statement) (on plans)