

SUSTAINABILITY CHECKLIST

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SUSTAINABILITY CHECKLIST

This provides a broad guide to topics and subjects within the Masterplan Book and Town Code and indicates where further information can be found. The subjects were created in collaboration with the local planning authorities and other stakeholders.

A detailed independent review of the performance of these proposals has been produced for the local authorities by the Building Research Establishment (BRE).

| Subject | Sherford's Response | Where to find further information | |
|--|---|-----------------------------------|---------------------------------------|
| | | Document | Chapter/Section |
| Community – involvement, governance and design | Commitment to formation of a Community Trust and asset ownership | Masterplan Book | Community Trust Strategy |
| | Provision of a Town Hall to support greater involvement in the community by residents | Masterplan Book | Community Facilities Strategy |
| | Fibre optic communications to all buildings allowing efficient and instant information transfer | Masterplan Book | Infrastructure and Utilities Strategy |
| | Enquiry by Design process involved key stakeholders in the design of Sherford | Masterplan Book | Evolution of the Plan |

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| | | Document | Chapter/Section |
| Connectivity – local to global permeability | Deformed wheel and permeable grid street structures | Masterplan Book | The Vision |
| | Walkable neighbourhoods | | |
| | Transport hierarchy places walking and cycling ahead of public transport followed then by the private car | Masterplan Book | Movement and Transport strategy |
| | High quality public transport service in conjunction with a park and ride service | Masterplan Book | Movement and Transport strategy |
| | Greenways designed to protect ecological habitats and wildlife foraging routes as well as providing green pedestrian routes | Masterplan Book | Landscape, Biodiversity and Cultural Heritage & Public Space, Sports & Recreation strategy |
| Local centres – stimulating organic growth | Four distinct neighbourhoods centred around education, employment and retail | Masterplan Book | The Vision |
| | A 'fine grain' mixed-use design promoting live / work and smaller 'start-up' companies | Masterplan Book | Employment, Retail and Commercial |
| Neighbourhood structure – the high street | Sherford will be have at its heart a High Street built at the centre of the Town | Masterplan Book | The Vision |
| | Four distinct neighbourhoods centred around education, employment and retail | Masterplan Book | The Vision |
| | Mixed-use principles applied to all phases | Masterplan Book | Employment, Retail and Commercial Strategy |
| | Town Hall located in the High St | Masterplan Book | Community Facilities Strategy |
| Evidence on the land – landscape, ecological and historical patterns | Respect and maintain evidence on the land through the urban design | Masterplan Book | The Vision |

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| | One hectare of greenspace for every hectare of development via the provision of a community park | Masterplan Book | Landscape, Biodiversity and Cultural Heritage & Public Space, Sports & Recreation strategy |
| | Protection and enhancement of key natural & cultural landscape features | Masterplan Book | |
| Settling into the land – how built form responds to the landscape | Local materials targets proposed for use in the construction of Sherford | Town Code | Town Wide Regulations |
| | Respect and maintain evidence on the land | Masterplan Book | The Vision |
| | Use of valley bottom as boundary of development | Masterplan Book | Landscape, Biodiversity, Cultural Heritage, Public Space, Sports and Recreation Strategy |
| Pedestrian movement – the logic of the block | Block structures arranged in such a way as to provide a permeable grid structure for the town | Masterplan Book | The Vision |
| | | | Movement and Transport strategy |
| Urban grain – block types | Within Sherford the block is the fundamental element in the physical structure of the urban form | Masterplan Book | The Vision |
| | | Town Code | Block Typologies |
| Land uses – accessibility to local amenities and community facilities | Permeable gridded street network provided throughout Sherford | Masterplan Book | The Vision |
| | Four distinct neighbourhoods centred around education, employment and retail | Masterplan Book | The Vision |
| | Extensive community facilities | Masterplan Book | Community Facilities Strategy |
| | Early Phasing of Community Facilities | Masterplan Book | Phasing Strategy |

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| Employment and business – opportunities and placement | A sustainable community based upon the principle of mixed-use neighbourhoods | Masterplan Book | The Vision |
| | Ensuring the adaptability of buildings at Sherford to allow for flexible use throughout their lifetime | Masterplan Book | The Vision |
| | Resuscitating the High Street | Masterplan Book | The Vision |
| | A diverse range of commercial and retail buildings designed to attract a wide range of businesses to Sherford | Masterplan Book | Employment, Retail and Commercial Strategy |
| | Economic promotion of Sherford by the Community Trust | Masterplan Book | Community Trust Strategy |
| Local economy – recycling, equity and food | Local and recycled materials specified | Masterplan Book | Resource Efficiency Of The Built Form |
| | Household recycling standards specified and supported by the community trust | Masterplan Book | |
| | Potential organic farm designated in Community Park & Allotments | Masterplan Book | Landscape, Biodiversity, Cultural Heritage, Public Space, Sports and Recreation Strategy |
| | Re use centre established within Sherford | Masterplan Book | Community Facilities Strategy |
| | Block scale waste pavilions & composting | Town Code | Block Typologies |
| Housing – balancing the range | 40% – 50% Affordable Housing (27.5% intermediate, 12.5% social rented, balance through funding mechanisms) | Masterplan Book | Housing Strategy |
| | All housing delivered tenure blind | Masterplan Book | |
| | Choice Based Lettings scheme | Masterplan Book | |

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| | Diversity of Settings, pepperpotting | Masterplan Book | The Vision |
| | The right densities and grain of housing in the right places | Masterplan Book | |
| Transport – mobility, access and parking | Walkable neighbourhoods are the fundamental basis of the urban design at Sherford | Masterplan Book | Movement and Transport Strategy |
| | 1.5 parking spaces per house | Masterplan Book | |
| | Generous cycle parking as per EcoHomes criteria | Masterplan Book | |
| Public realm – street types | Sherford has at its heart a high street designed to be vibrant and self sustaining | Masterplan Book | The Vision |
| | Permeable street grid structures | Masterplan Book | |
| | Priority for pedestrians and cyclists in the transport hierarchy | Masterplan Book | Movement and Transport Strategy |
| | Strict control will be provided over the layout and design of streets | Town Code | The Lexicon of Types |
| Massing – legibility and daylight | Residential Housing Standards: Day lighting to BS8206 part 2 | Masterplan Book | Resource Efficiency Of The Built Form |
| Density – creating appropriate urbanity | Density within Sherford will be used to create better neighbourhoods and support amenities. | Masterplan Book | The Vision |
| Infrastructure – utilities | Sherford is well located for the connection to key utilities | Masterplan Book | Infrastructure and Utilities strategy |
| | A multi-layered SUDS system will mitigate the effect of the Town on the surrounding environment | Masterplan Book | |
| Energy – conservation and renewable production | Energy efficiency standards at Sherford will be beyond current Building Regulations | Masterplan Book | Resource Efficiency Of The Built Form |

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| | Large scale wind turbines will supply significant amounts of renewable energy to the Town | Masterplan Book | Infrastructure and Utilities strategy |
| | Extensive use will be made of Solar Thermal Hot Water Heating throughout the Town | Masterplan Book | |
| | Sustainability will be a key element in the design of the Urbanism. | Masterplan Book | The Vision |
| Waste – reduce, reuse and recycle | Sherford will maximise recycling opportunities during the construction process | Masterplan Book | Resource Efficiency Of The Built Form |
| | A re use centre will be established within the Town | Masterplan Book | Community Facilities Strategy |
| | Sherford will promote the maximising of opportunities for home recycling and composting | Masterplan Book | Resource Efficiency Of The Built Form |
| | Block scale waste pavilions and composting | Town Code | Block Typologies |
| | Sustainability agenda actively promoted through The Community Trust | Masterplan Book | Community Trust Strategy |
| Environment – minimising pollution | PVC and other noxious chemicals excluded from the construction phase | Masterplan Book | Resource Efficiency Of The Built Form |
| | Minimising energy use and light pollution from street lighting will be a key feature of the street lighting design | Masterplan Book | |
| | Sherford, through its design will reduce the need for use of private motor cars | Masterplan Book | Movement and Transport |

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| | Much attention will be paid to reducing the effect of the construction process on the environment | Masterplan Book | Outline Construction Environmental Management Plan |
| | Planting to provide carbon sink to sequester CO ₂ | Masterplan Book | Landscape, Biodiversity, Cultural Heritage, Public Space, Sports and Recreation Strategy |
| | | Masterplan Book | Resource Efficiency Of The Built Form |
| Adaptability – building types and lifespan | Building adaptability, especially in those buildings in locations near to retail areas, is a fundamental design criteria | Masterplan Book | Employment, Retail and Commercial strategy |
| | Buildings at Sherford will aspire to a Lifespan of 300 years. | Masterplan Book | The Vision |
| | Flexibility in the construction of housing to allow for internal layout flexibility | Masterplan Book | |
| | Building design and specification will also consider the effects of climate change in the future | Masterplan Book | Resource Efficiency Of The Built Form |
| | Lifetime Homes standards allow dwellings to accommodate residents throughout their life | Masterplan Book | |
| Local resources – minimising movement | Local and recycled materials targets set for Sherford's construction phase | Masterplan Book | Resource Efficiency Of The Built Form |
| | Sherford will seek to utilise the local labour force and providing training opportunities through the construction process | Masterplan Book | |

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| Cultural heritage – protecting existing and creating local identity | Design responde to the landscape and location | Masterplan Book | The Vision |
| | Understanding the local architectural and building styles – the pattern book | Masterplan Book | |
| | Responding to local identity by ensuring that it is reflected in what is built | Town Code | Town Wide Regulations |
| | Ensuring that what is built is built from local materials | Masterplan Book | Resource Efficiency Of The Built Form |
| | The Community Park will preserve and evolve former agricultural uses | Masterplan Book | Landscape, Biodiversity, Cultural Heritage, Public Space, Sports and Recreation Strategy |
| | Public art initiative to create local identity | Masterplan Book | |

