

SUSTAINABILITY CHECKLIST

5

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

Subject	Sherford's Response	Where to find further information	
		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

Subject	Sherford's Response	Where to find further information	
		Document	Chapter/Section
	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
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

Subject	Sherford's Response	Where to find further information	
		Document	Chapter/Section
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	

Subject	Sherford's Response	Where to find further information	
		Document	Chapter/Section
	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

Subject	Sherford's Response	Where to find further information	
		Document	Chapter/Section
	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

Subject	Sherford's Response	Where to find further information	
		Document	Chapter/Section
	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	

Subject	Sherford's Response	Where to find further information	
		Document	Chapter/Section
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	

