

# **SUSTAINABLE CONSTRUCTION CHECKLIST**

## **With focus on Climate Change**

Please complete and either enclose as supporting documentation with your postal Planning Application or e-mail separately to support your online application to: [development\\_control@bathnes.gov.uk](mailto:development_control@bathnes.gov.uk)

Please conserve paper: Print this document double sided if submitted by post.

Global warming refers to an average increase in the Earth's temperature, which in turn causes changes in climate. The consequences include longer and warmer summers and a rise in sea level, with potentially far reaching impacts on plants, wildlife and people.

Developments should respond to these changes by:

- Having little or no contribution to carbon dioxide emissions
- Accommodating changes in climate that are expected over the lifetime of the development

The following checklist can be used as an introductory tool to guide the sustainable design of your development from the outset and to provide the council with an indication of which measures have been considered and implemented in order to aid their obligation to provide sustainable development in the region. It should be read together with the checklist guidance notes that are available on the Council web site. The guidelines include a glossary of selected terms used in the Checklist.

Application site address: Land at Withies Park Midsomer Norton	Brief details of your development proposal: Erection of 112 new dwellings
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Application Number (office use only):
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*Please tick 'Yes', 'No' or N/A for not applicable in response to the questions below and **submit together with your Planning application**. Responses will not influence refusal decisions.*

### 1. Energy Efficient Design

1.1 Solar Gain and Heat Loss			
Do building layouts and orientation encourage passive solar gain? For example are glazed elevations located to the south and service areas to the north?			NO
Have you incorporated non-damaging strategies to increase thermal efficiency of existing buildings such as additional insulation or draught proofing?			NO
What Code for Sustainable Homes and/or Breeam rating will the development achieve on completion and will a post construction review confirm this? List ratings here: <b>35% of new homes will be designed to achieve level 3 of the Code for Sustainable Homes</b> .....			
Have interior spaces been designed so that the overall building size and resource use in constructing and operating it are kept to a minimum?	YES		
1.2 Lighting and Shading			
Do buildings have a roof overhang or other shading mechanisms, such as external blinds, to restrict the excessive penetration of sun light and heat in the summer?			NO
Are the surrounding topography and landscape elements such as trees used to provide shelter, thermal mass or shade for both inside and outside spaces?	YES		
Do rooms requiring high light levels such as offices, living rooms and kitchens have large windows or alternative measures to allow maximum natural light in?	YES		
1.3 Natural Cooling			
Do buildings incorporate natural ventilation like opening windows in each room?	YES		
Does the building design avoid deep plans to promote cross ventilation (i.e. is the width of the building kept to a minimum)?			N/A

## 2. Energy consumption

<b>2.1 Fittings</b>			
Will external and internal lights be fitted with movement sensors and independent switches that are used in separate area zones?			N/A
<b>2.2 Heating</b>			
Are you incorporating a wood chip boiler or Combined Heat and Power (CHP)?		NO	
Have you installed a timer for the central heating system and individual thermostats on radiators?	YES		
<b>2.3 Renewables</b>			
Will you incorporate renewable energy generation on site for example wind power, ground source heating or cooling, solar thermal or photovoltaics?		NO	

## 3. Water

<b>3.1 Recycling Water</b>			
Are you collecting and using grey water (waste water from hand wash basins, baths and showers) to flush lavatories and water the garden?		NO	
<b>3.2 Water Efficient Appliances</b>			
Will you install a water conserving fittings such as low flush toilet, spray taps and a low power shower?	YES		
<b>3.3 Measures to Prevent Flooding</b>			
Are you using Sustainable Urban Drainage Systems (SUDS) for surface water drainage? Refer to accompanying guidance notes for a definition of SUDS.	YES		
Will your design incorporate green or brown roofs or other planted areas to decrease surface run-off and increase biodiversity?		NO	
Will the development and access to and from it such as roads and paths be located away from areas of potential flooding?	YES		

## 4. Construction Materials

<b>4.1 Sustainable Materials</b>			
Will you use local materials? If yes, write where they are from here: .....		NO	
Will you use reclaimed, recycled or recyclable materials for construction?		NO	
Will you use materials/products that are non-toxic such as water based paints and /or have Eco- labels such as FSC (Forestry Stewardship Council)?		NO	
Have you minimised waste generation by designing to standard sizes?	YES		
Will material from any demolitions be recycled? Will this be on or off site? .....			N/A

## 5. Transport

<b>5.1 Reducing the Reliance on Private Car Transport</b>			
Will the development be located close to local amenities or have easy access to public transport?	YES		
Will the development promote alternative transport by incorporating elements such as bicycle storage or facilities to recharge electric vehicles for example?	YES		
Will the development support or provide for a city car club?		NO	

## 6. Historic and Natural Environment

<b>6.1 Existing and Historic Buildings and Sites</b>			
Will you reuse existing buildings rather than demolish them?			N/A
Will you incorporate measures to protect historic structures or landscapes from the potential increase in storms, such as by introducing wind breaks?			N/A

Will you introduce renewable energy technologies that complement any nearby historic buildings and their wider settings?			N/A
<b>6.2 Impact on the Natural Environment</b>			
Will you address the potentially negative impact on the roots of plants or the canopies of shade providing trees, which the development may have?	YES		

Please add any **comments or suggestions** about this Checklist and the website guidelines for them on this page or e-mail them to:  
[funda\\_willetts@bathnes.gov.uk](mailto:funda_willetts@bathnes.gov.uk).

Please include comments about the content of the documents, the ease of understanding and use of the checklist and further information you would like the Council to provide on this subject.

Your views are very much appreciated, thank you.