



Proposed residential development off Rectory Close Wombwell
Barnsley

ENERGY / SUSTAINABILITY STATEMENT

KSL DESIGN LTD

CODE FOR SUSTAINABLE HOME: Each house will achieve Code for Sustainable Homes level 3, which demonstrates a high level of sustainability across a range of environmental categories:

1. ENERGY: The proposed development will reduce its CO2 emissions by 15% using renewable or low carbon energy sources and other design measures to the satisfaction of BMBC. This will be achieved by the use of solar panels, solar thermal panels, air source heat pumps and / or fabric enhancement of the dwellings. The use of combined heat and power, wind turbines, ground source heat pumps or bio mass heating is not feasible for this size and location of development.
2. WATER: Water use will be limited to less than 125 litres per day by the use of ultra low volume WC's and water restrictors
3. MATERIALS: Materials will be selected for their low environmental impact (not less than A rated in the BRE Green Guide) and responsible sourcing (Environmental Management Systems, Chain of Custody etc).
4. SURFACE WATER RUN OFF: Sustainable drainage systems will be used to ensure the development reduces the amount of surface water run off by at least 30%.
5. WASTE: The scheme will meet or exceed minimum site waste management plan standards
6. POLLUTION: Insulating material materials will only use substances that have a global warming potential of less than 5 in manufacture, and boilers will have a dry Nitrous Oxide level of less than 40 mg/kWh.
7. MANAGEMENT: Residents will be provided with a Home User Guide which will help them understand and operate their homes efficiently.

Below is the PAN 30 Checklist which clearly demonstrates the sustainable location of the development:

3 . Housing Development Sustainability Checklist

This checklist should be completed and submitted, as part of any planning application, for all housing developments proposed in the borough above 0.4 hectares. Applications for smaller sites which form part of a larger site over the 0.4 hectare threshold, that may have potential for residential development, should also be accompanied by a completed checklist.

Guidance to Applicants

This Checklist should be included at the front of any other information that you wish to submit in support of the sustainability of your proposal.

The checklist is intended to establish whether the site is sustainably located. By completing the Checklist you are providing a concise summary of the key factors in determining the sustainability of the location of your housing application.

Applicant Details

Applicant Name	PREMIER CONSTRUCTION LTD	Date	07/12/2012
Site Address	FORMER BONDFIELD DAY CARE CENTRE OFF BONDFIELD CLOSE WOMBWELL BARISLEY		

Checklist

Table 3.1

STEP 1 - KEY LOCATION & SITE REQUIREMENTS			
	Applicant (please tick applicable statement)	Score	For office use only
1a - Relationship to Core Strategy Settlement Hierarchy			
a) The site is located within Barnsley sub regional town (as shown in appendix 1 – plan 1)		10	

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b) The site is located within a principal town (as shown in appendix 1 – plans 2 – 8)	✓	6	
c) The site is located in one of the other settlements (as listed and defined in appendix 2)		2	
d) The site is not located within any of the settlements covered by a), b) or c) above		0	

NOTE: Boundaries are shown on the maps in Appendix 1 for Barnsley, as the Sub Regional Town, and the Principal Towns. Hoyland principal town, following the examination and subsequent adoption of the Core Strategy, now also includes the settlement of Birdwell. The map of Hoyland principal town has not been amended to reflect this but the boundary for Birdwell is defined by the UDP green belt as shown on the UDP proposals map for Hoyland. Additionally Grimethorpe, following the examination and subsequent adoption of the Core Strategy, is now part of Cudworth principal town. Its boundaries remain as shown on the map in appendix 1.

The boundaries shown on these maps describe the geography of these settlements as 'places' and are not to be interpreted as defining development limits. The maps are based on the Councils interpretation of the boundaries in August 2009. The boundaries shown on these maps will be revised as the LDF Development Sites and Places DPD advances to take account of changes to the Core Strategy, including those described above. All other settlements where PAN30 applies are listed in Appendix 2.

For a site to be sustainable it must score at least 6 for step 1a

1b - Reuse of Land

a) The site is brownfield (It is occupied by a permanent structure (excluding agriculture or forestry) or has been cleared but any evidence of structures or activities has not yet blended into the landscape ⁽¹⁾)	✓	10	
b) The site is a brownfield/greenfield mix with more than 70% of its area brownfield		6	

1 Where it can be demonstrated that a site has been intentionally greened after clearance to improve its appearance in the interim until it is re-developed, it will continue to be considered as previously developed and will not normally be considered to have blended into the landscape (as set out in the exceptions to the definition of previously developed land laid out in annex B of PPS3). Any potential greenspace function of the land would need to be considered in the context of existing green space policies.

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c) The site is a brownfield/greenfield mix with less than 70% of its area brownfield		2	
d) The site is greenfield		0	
For a site to be sustainable it must score at least 6 for 1a & 1b combined			
Step 1 sub-total		16	

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Table 3.2

STEP 2 - LAND USE & URBAN FORM			
	Applicant (please tick applicable statement)	Score	For office use only
2a - Location within Settlement			
a) The site is entirely within the built up area <i>(See figure 3.1 below)</i>	✓	10	
b) The site is on the edge of the settlement but not projecting into the countryside <i>(See figure 3.2 below)</i>		6	
c) The site is on the edge of the settlement <u>and</u> projecting into the countryside <i>(See figure 3.3 below)</i>		2	
d) The site is wholly outside or is unrelated to any settlement		0	
For a site to be sustainable it must score at least 6 at step 2a			

Figure 3.1 Within the built up area

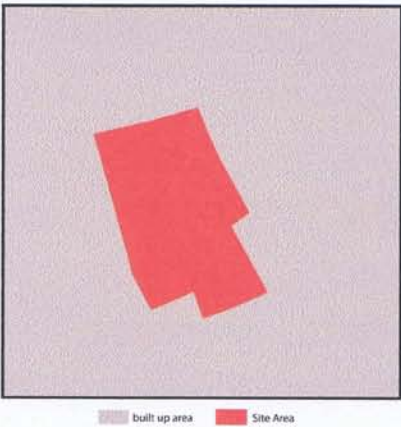


Figure 3.2 Edge of a settlement not projecting into the countryside

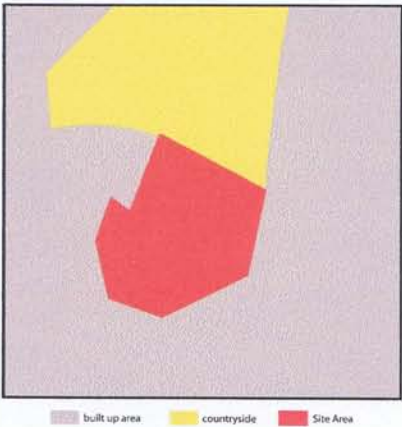
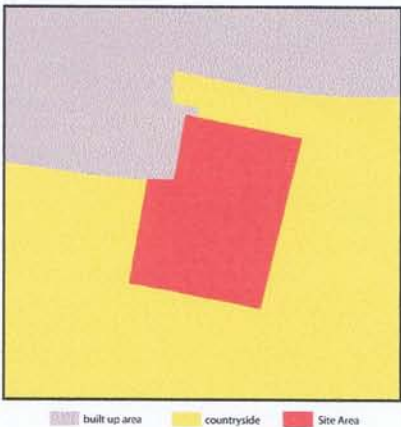


Figure 3.3 Edge of settlement, projecting into countryside



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Table 3.3

2b - Current UDP Notation			
	Applicant (please tick applicable statement)	Score	For office use only
NOTE: Where a site is covered by more than one notation on the UDP proposals maps the Council will take a practical approach. This will usually result in the notation that receives the highest score in the checklist being used for the purposes of scoring. However there may be circumstances where this is not appropriate and this will have to be determined on an application by application basis.			
a) The site is a UDP Housing Proposal OR b) The site is a redundant school site which has become available for disposal and redevelopment under the Building Schools for the Future Programme which is: 1) NOT in the UDP Green Belt and; 2) Has satisfied the requirements of Core Strategy policy CSP43: Educational Facilities and Community Uses	✓	10	
c) The site is a: • UDP housing policy area • UDP employment proposal • UDP employment policy area • UDP Area of Investigation for Potential Employment Development • Area of greenspace that is included on the Councils greenspace register or is land that functions as greenspace • UDP urban greenspace proposal • UDP allotments		1	

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d) The site is within or partly within - the UDP greenbelt or is allocated in the UDP as: - safeguarded land - Urban land to remain undeveloped - Site for travellers - Minerals planning permission - Minerals consultation area - Minerals area of search - Nature conservation site - Site of special scientific interest - Old Moor Wetlands Centre Or is shown on the Environment Agency flood maps as functioning floodplain		0	
For a site to be sustainable it must score at least 8 for step 2 a & b combined			
Step 2 SUB-TOTAL		20	

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Table 3.4

STEP 3 - ACCESS TO LOCAL SERVICES & PUBLIC TRANSPORT			
	Applicant (please tick applicable statement)	Score	For office use only
3a - Public Transport Accessibility			
The South Yorkshire Passenger Transport Executive will be able to assist with this analysis. Applicants should contact them at: SYPTE, 11 Broad Street West, Sheffield, S1 2BQ or by telephone: 0114 221 1262. See Annex 1 for an easy way to find the centre of the site. If you undertake your own research you must submit your researched information for verification purposes. Accessibility to public transport should be assessed with regard to a sites proximity to the Core Public Transport Network (CPTN) in the borough as defined within the Sheffield City Region Transport Strategy (LTP3). This includes the core bus corridors with six or more buses per hour and the railway network. A catchment area buffer should then be applied to the CPTN access points (railway stations and the core bus corridors) based on a 400 metre walk to access bus services and an 800 metre walk to access a railway station. These need to be weighted to allow for the fact that most walks will not be on a straight line basis and SYPTE can supply details of how this is done. A sites distance from the CPTN should be measured from its centre point in order to reflect the majority site coverage. Following this, sites should be graded as green, amber or red using the following criteria and the relevant score applied.			
a) The site is graded as green as it falls completely within the CPTN buffer and requires minimal (if any) public transport intervention.		10	
b) The site has been graded as amber as it bridges over the CPTN buffer or its centre point is outside the 333 metre weighted buffer but within the 400 metre buffer (plus 20% and actual straight line walking distance). The 400 metre buffer represents a 'cushion' that will capture the sites that are just outside the CPTN. Amber sites reflect the need that transport interventions need to be	✓	6	

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considered as the site has a degree of restriction to public transport use.			
c) The site has been graded as red as it falls completely outside the CPTN buffer. This means that development on the site is not desirable as the site has very limited access to public transport as it is outside of the specified walking catchment area.		0	
For a site to be sustainable it must score at least 6 at step 3a			
3b - Access to Local Services			
Below are 2 lists of services/facilities. List 1 shows essential services and facilities and list 2 shows other services and facilities. We want to know how many of these services are within 800m of the centre of your site. See Annex 1 for an easy way to find the centre of the site. Please submit this information on a map to a known metric scale and with a linked schedule of names and postal addresses. Then answer the following questions:			
a) The centre of the site is within 800m of all essential facilities plus five or more from the list of other services		10	
b) The centre of the site is within 800m of all essential facilities	✓	6	
c) The centre of the site is within 800m of three or less of the essential facilities		2	
d) The centre of the site is beyond 800m of three or less essential facilities		0	
For a site to be sustainable it must score at least 8 for step 3a & b combined			
Step 3 SUB -TOTAL		12	

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TOTAL SCORE (STEP 1 + STEP 2 + STEP 3)	16, 20, 12	48
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Table 3.5

List 1 - Essential services/ facilities	
Primary school	Doctors practise - one or more doctors
Local convenience store - any shop selling at least a small range of everyday essential items	Public open green space - generally urban green space shown on UDP/LDF proposals maps (excluding allotments)

Table 3.6

List 2 - Other services / facilities		
Secondary School	Job Centre	Post Office
Benefit agency	Church	Petrol Station
Retail (e.g. shopping parade)	Tertiary college	Village / community hall
Public House	Banking facility	Library
Hospital	Sports centre	Chemist
Health centre / clinic - Providing a range of health related community services such as district nursing, chiropody, occupational therapy etc.		
Supermarket - self service shop selling mainly food often with car parking (PPS4 definition)		

Overall Score

To be considered potentially sustainable the site must:

- Meet the minimum score required at step 1a and 1b and also achieve the minimum score required for these steps combined
- Meet the minimum score required at step 2a and 2b and also achieve the minimum score required for these steps combined
- Meet the minimum score required at step 3a and 3b and also achieve the minimum score required for these steps combined

If the site has achieved the required score at all the above steps the total score achieved should then be applied to the following table:

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Table 3.7

Site Total Score	Result
21 or below	Site is not sustainable and fails the requirements of PAN30
22 or over	Site is sustainable and has met the requirements of PAN30

Annex 1 - Finding the centre of a site

To find the centre of the site, draw a box around the site, draw two lines from corner to corner and the centre is where the diagonal lines meet. This is demonstrated in the diagram below.

