



## Sustainability Statement

Site: 16 WOOD ROAD ASHURST SO40 7ED.

Proposal: SINGLE STOREY EXTENSIONS & ALTERATIONS TO A DET. HOUSE

Date: 14/9/21

Details of how the Proposal reduces carbon emissions and incorporates measures to reduce its contribution to climate change:

### 1. Making the most efficient use of land, buildings and natural resources including site layout and building design.

Guidance: Energy consumption can be significantly reduced through the location of development, site layout and building design, the type of materials used, the use of existing and new resources and the efficient management of the construction process.

Existing materials already on site will be salvaged & reused where possible eg hand made bricks from removed chimney & breasts etc.  
All parts of the proposals incorporate the latest requirements on insulation.  
Removal of the extg solid fuel fireplaces etc will enable a high efficiency gas fired system to be used.  
All parts of the proposals aim to reduce pollution and save energy.

### 2. Energy Hierarchy\*

Guidance: Level 1 – Reduce the need for energy; Level 2 – Using energy more efficiently; Level 3 – Supplying energy efficiently; Level 4 – Use low carbon and renewable energy. There are opportunities in all types of development to use low carbon and renewable energy sources, however what is appropriate will depend on the physical nature of the building, its site characteristics and the surrounding landscape.

The old boiler system has already been replaced with a modern Combi boiler and the old tanks, cylinders etc have been removed.  
Thermostatic controls have been installed to all extg radiators and will be fitted to all new space heating to enable zone control to be achieved. Thermal insulation has been upgraded already and new work will be similarly fitted.  
Low energy fittings have been fitted and this approach will be applied to all new works.

### 3. Minimising Flood Risk\*\*

Guidance: Directing development away from flood risk areas, reducing overall risk from flooding within the National Park and areas outside it, upstream and downstream.

The property is in a very low risk area for flooding. The current hard landscaped areas will be reduced with soft edges to reduce run-off and rainwater allowed to partially return to the ground.

### 4. Carbon Reductions

Guidance: Consideration of means of reducing carbon emissions for the development. Seeking to take every opportunity to reduce carbon and build sustainably.

All aspects of the proposals incorporate the latest building standards to improve insulation levels & reduce heat loss. These include upgrading the extg windows etc. Cavity insulation was installed by the previous owners.

### 5. Water Efficiency.

Guidance: Water conservation methods include ensuring that the design of buildings and their surrounding landscape maximises water efficiency and minimises water wastage; identifying opportunities to use water more efficiently during the construction of the development; designing surface water drainage systems to take into account future changes in rainfall.

The heating and water system has been upgraded & the proposals will adopt the latest technology where possible to reduce unnecessary waste. Water butts will be used to all rainwater pipes where possible.