31 Oxford Road, Woodstock, Oxfordshire, OX20 1UN

Sustainability Statement - minor applications

Sustainability standards **Yes/No**

A - Net zero carbon

1.Has the building fabric been designed to standards of ultra-low energy demand? N
The proposed construction will consist of a full fill cavity complying with current building regulations. The proposed design is to improve air tightness and reduce the heat loss through the building fabric.

2. Has thermal comfort and the risk of overheating been assessed and passive design measures been prioritised? Y
The proposed design takes full advantage of the building orientation to maximise solar gain without overheating. Window/door openings have been designed to allow sufficient light whilst providing adequate shade.

3. Is the development fossil fuel free? N
The proposed development will be fitted with an A-Grade boiler, which can be transferred to hydrogen fuel supply as government's proposed strategy to reduce the demand for fossil fuel. It is proposed (if technically feasible and/or budget allows) that solar panels and air-source heat pump (heating & hot water) will be installed.

4. Will a net zero operational carbon balance be achieved and 100% of energy consumption delivered using renewables? N

5. Will embodied carbon emissions be minimised? Y
The existing building fabric will be upgraded, new walls/floors & roofs will comply with current/future building regulation thermal values, air tightness throughout will be improved, insulation in the existing loft spaces will be upgraded to surpass the current thermal regulations.

B - Travel

1. Is home working supported? Y

2. Has active travel been prioritised? Y

3. Is shared mobility facilitated? N

4. Will electric vehicle charging infrastructure be provided? Y
The existing dwelling has electric charging installed.

C – Water

1. Will water consumption be minimised? Y
All the existing/new plumbing will be upgraded to high efficiency plumbing fixtures/all new low-flow sanitary ware and white goods dual flush valves on an eco-water cistern for the WC with water efficient shower heads.

2. Will water be conserved through rainwater harvesting or grey water recycling? N

It is proposed (if technically feasible and/or budget allows) that rainwater harvesting pump (heating & hot water) will be installed or upgraded in the future.

3. Has the flood risk assessment accounted for climate change and sustainable drainage proposed? N

D - Waste

1. Will the construction company be registered with the Considerate Construction Scheme? N

2. Will a Site Waste Management Plan be followed and targets set for construction waste recycling and disposal? N
Not Applicable.

3. Will there be safe and convenient access to waste recycling? Y

E - Biodiversity

1. Has a Biodiversity Self-assessment Form been submitted? Y

2. Has an Ecological Impact Assessment (EcIA) report and checklist been submitted? N

3. Will a European site be affected? N

4. Has a Biodiversity Net Gain (BNG) Design Stage Report been submitted? N

5. Will the wider environmental benefits from nature be maximised? N

F - Voluntary sustainability standards

1. Will non-domestic development be BREEAM certified? N

2. Will the development receive a sustainability accreditation and/or follow recognised sustainability principles? N

G - Only for development affecting heritage assets or traditional buildings

1. Have the heritage value of the building/s and impact on any heritage asset been appropriately assessed? Y
The dwelling is located near Blenheim Palace, the proposed works have been carefully considered to improve the existing dwelling and reflect the local character / aesthetic of the immediate surroundings.

2. Is a 'Whole Building Approach' being taken? N/A
3. Will Responsible Retrofit measures be adhered to? N/A