

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of agent	Michael Clay
Site Address	41 Broad Lane, Upperthong, Holmfirth, HD9 3XE
Description of Development	<i>Demolition of outbuildings and erection of single-storey building to create dwelling forming annex accommodation associated with Sycamore Lodge, 41, Broad Lane, Upperthong, Holmfirth, HD9 3XE</i>

Part 2: Climate Change Mitigation measures

Please respond to the following questions considering the measures set out in the Climate Change Guidance note:

Q1: What measures have been/will be taken to reduce the energy demand associated with your proposed development beyond the minimum required in Building Regulations? (See section 2)

Building service infrastructure such as lighting and gas boiler controls are efficient, up to date, and modern complementary features to build as noted within guidance note and policies; D LP24/LP47.

To the rear garden and patio space, there is sample external area for drying washing naturally, reducing the requirement for demanding electric drying methods.

Q2: What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes, e.g., by reusing existing on-site materials or sourcing materials locally? (See section 3)

Construction waste will be separated, stored and disposed of in-line with policy note LP24.

It is proposed to use recyclable materials (such as timber cladding and green roofing systems) to reduce the embodied carbon of the building construction. This can provide a very long-term solution with very little degradation and maintenance required and is a renewable material.

Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Not applicable due to the simple nature and small scale of development, however, LZC heating appliances will be considered as part of the refurbishment, such as air source heat pumps.

External windows have been included within the design to increase sunlight exposure for nature thermal heating. These are also openable to allow for natural passive ventilation.

Q4: What measures have been/will be taken to ensure the building design and layout has been optimised to energy efficiency beyond the minimum requirements in Part L of the Building Regulations? (See section 5)

All new external walling, flooring and roofing will meet minimum thermal requirements of Part L of the Building Regulations and will actively be sought to improve upon these requirements where deemed applicable.

The design allows for subtle roof overhang to the west-facing elevation above the bi-folding door. This will encourage natural light intake, without creating a scenario for internal overheating.

The double-glazed doors will also include argon filled cavities to reduce thermal loss. The detailed design and fitout will also include internal blinds/ curtains to reduce thermal gain from sunlight exposure.

Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)

It is the intention for the proposals to include a form of rainwater harvesting from the new roof runoff. This will then reduce the need for mains water consumption within the rear garden in line with guidance note LP28.

Surrounding perimeters of the new extension will be of a permeable nature and impermeable materials will not be used. This will reduce the drainage uptake at which rainwater runoff will reach the local drainage systems.

Q6: What measures have been/will be taken to reduce water stress associated with your proposed development? (e.g., Water retention and minimisation measures) (See sections 7 and 8)

Information in relation provided within Question 5.

It is also the intention as part of the development to increase the amount of plantation and flora within the immediate area, as per policy LP27 and LP28.

The flat roof will incorporate a green roofing system, which will form a natural permeable ground to reduce the drainage uptake at which rainwater runoff will reach the local drainage systems.

Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)

It is also the intention as part of the development to increase the amount of plantation and flora within the immediate area, as per policy LP27 and LP28.

Impermeable and unnatural materials for the surrounding garden will be avoided and natural, native materials and plants will be encouraged as per policy note LP34.

The flat roof will incorporate a green roofing system with natural planting and growing medium. This will encourage insect variety, nesting birds and biodiversity as per policy note LP34.

Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)

Not applicable due to the simple nature and small scale of development.

No EV charging points are considered due to the nature of the ancillary building.

New plants and trees are considered as part of the proposals to reducing surface water run-off by slowing precipitation and binding soil to prevent erosion.

Submission of a Travel Plan is considered unreasonable for the scale of this proposal.