Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Planet Architecture Ltd
Site Address	Land adjacent to 9 Hyrst Gardens.
Description of Development	A new house.

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)
The building will be insulated beyond the minimum requirement and air-tested to minimise losses. The house will have masonry walls and concrete floors to maximise thermal mass and solar control. Beyond the fabric, the glazing will maximise solar gain in winter and heating system will be an Air-Source Heat-Pump with large thermal store.
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)
There are no on-site materials to slavage but given suburban nature of the site all materials and labour could be easily locally sourced. The materials are common masonry units and although there is a large embodied energy in manufacture the mass-production of common units means an economy of initial resources and transportation.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

An ASHP will be used for heating. There is little option for solar PV given the number of trees but electrical energy could be procured from Eco-energy providers such as Green Energy.
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)
The building is a compact rectangular shape with few protrusions - meaning the envelope is very efficient. The glazing will maximise solar gain in the winter and the recessed windows will limit solar gain in the summer.
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
The building will include surface water attenuation/ SUDS to limit the rate of run-off.
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)
The house will utilise flow limiters on basins, sinks and showers. It may be possible to integrate a rain-water harvesting system but this will be subject to advice from consultants at detailed design stage.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
The house is a self-build and is exempt from BNG. However, a tree planting scheme is proposed to replace trees lost and to provide a net gain overall.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
During construction electric plant will be used where possible in fabour of diesel/ petrol. After completion the house will be heated with renewable energy from the ASHP and the green electricity tarrif. The house will have an electric car charger.