SUSTAINABILITY STATEMENT

Application AWDM/1541/20 - 106 Brighton Road, Lancing

Please see below a list of sustainable measures which will be factored into the construction of the project.

- Use of local materials and suppliers

- Use of materials with a lower embodied energy

- Increased levels of insulation to wall, floors and roofs

- Utilise the southern aspect to provide passive heating

- Incorporate natural light to reduce the need to artificial lighting

- Use construction methods that provide thermal mass heavy weight materials, these can absorb the natural sun during the day and release it into the houses when the temperature drops

- Minimizing resource wastage by use prefabricated elements in the construction process

- Air tightness – introducing airtight membrane and tape to prevent air leakage. This will reduce heat losses and reduce the need to heat the internal spaces, his will reduce heat losses and reduce the need to heat the internal spaces

- Incorporate low energy (LED) lighting the whole project, including sensor lighting

- Incorporate a MVHR system to the development, his will reduce heat losses and reduce the need to heat the internal spaces

- Incorporate triple glazed units to both windows and doors

- Explore the use of Air source heat pump for heating and hot water to reduce the use gas natural gas

- Explore the use to photovoltaic panel to supplement the electrical demand

- Incorporate A++ appliances to each of the houses.

- Provide water butt for each of the houses

- Provide car charging point in each of the garages

- Incorporate low water usage appliances, ie, low flush toilets, reduced flow taps