

Job No. 5914

June 2023

**APPLICATION FOR ERECTION OF
REPLACEMENT DWELLING
OAK VIEW, THURLESTON LANE,
IPSWICH, IP1 6TH**

SUSTAINABILITY STATEMENT

INTRODUCTION

1.0 This statement considers measures relating to environmental sustainability have been identified for the proposed development. These include:

- Reducing potential carbon emissions.
- Reducing energy demand and improving energy efficiency;
- Water conservation and management;
- Sustainable construction and materials;
- Waste recycling;
- On site management;

1.1 The dwelling will include measures and standards according to current Building Regulations and traditional housing procurement ensuring that the dwelling will be energy efficient.

REDUCING POTENTIAL CARBON EMISSIONS

2.1 The technologies proposed for the new dwelling are:

- Air Source heat pump;
- PV panels
- Electric Vehicle Charging Point.
- Wood Burning Stove

REDUCING ENERGY USE AND INCREASING ENERGY EFFICIENCY

3.0 The development will provide a good thermal performance of the building fabric achieving a high level of air tightness and controlled ventilation. The following measures for reducing energy use within the proposed development will be considered:

- “white goods” appliances will be A rated or above (refrigerators, freezers, dishwashers and washingmachines);
- The dwelling will be provided with external drying space, reducing the need for mechanical drying;
- 100% of internal light fittings will be energy efficient;
- External lighting and security will be energy efficient;

3.1 A ‘Home User Guide’ will be provided to enable the promotion of energy efficiency of the new dwelling and enable long term carbon and energy reduction by improved education on the use of the proposed Low Carbon Technologies and Local Renewable Energy Sources.

WATER CONSERVATION AND MANAGEMENT

- 4.0 The potable water consumption shall be designed to 110 litres or less per person per day. This can be achieved within the dwelling with water saving devices such as:
- lowflow/flush cisterns,
 - water restrictors on showers,
 - aerated spray taps
 - water metering

SUSTAINABLE CONSTRUCTION AND MATERIALS

- 5.0 Where logistically feasible be responsibly sourced locally and from certified sources and accredited suppliers. Materials and surface finishes will have low toxic and pollutant content.

RECYCLING

- 6.0 Dwellings will be provided with three separate storage bins for waste recycling. The bin presentation area has been sited to assist with access by refuse vehicles allowing for the collection.

HEALTH AND WELLBEING

- 7.0 The dwelling has been designed with good natural day lighting and solar shading reducing the need to use artificial lightings and ventilation and increasing the potential for solar gain in winter while preparing for any over-heating risks by using natural ventilation.

ON SITE MANAGEMENT

- 8.0 During the construction phase, a construction Management Plan will be required. This will include measures for identifying, sorting and separating construction materials for re- use and recycling.