

## SUSTAINABILITY ASSESSMENT

PROPOSED ERECTION OF 4 NO. 2 BEDROOM BUNGALOWS/9 NO. 3 BEDROOM TERRACED HOUSES/14 NO. 2 BEDROOM SEMI-DETACHED HOUSES/3 NO. 4 BEDROOM BUNGALOWS LAND AT 329 PRESTON ROAD GRIMSARGH PRESTON PR2 5JT

The new dwellings will be constructed in accordance with current Building Regulations and SAP2018 Calculations to achieve Code Level 4 and air tightness levels with a maximum air permeability rate of 5m<sup>3</sup>/hm<sup>2</sup> at 50 Pa.

The aim is to reduce carbon emissions by sourcing materials locally to reduce transport costs, and to use materials such as timber from sustainable sources and cavity insulation manufactured, for example, from recycled materials such as paper, glass and sheep's wool.

Any demolished masonry material will be crushed on site for reuse as hardcore.

Integrated PV solar panels, e.g. Viridian, will be installed as a renewable energy source.

Surface water will be discharged into rainwater harvesting reservoirs for reuse for flushing toilets, etc. and any overflow will be discharged into an attenuation pond and then a controlled discharge into the existing surface water culvert.

Use of mains water will be restricted to 125 litres / person / day.

Glazing will be low energy rated and double sealed.

Artificial lighting will be 100% low energy.

An external rotating washing line with minimum 6 metres of line will be erected within the curtilage of each of the proposed dwellings.

Storage sheds for bicycles will be provided within the curtilage of each of the proposed dwellings.

An external electricity supply point will be provided at each dwelling for electric powered vehicles.

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