

Sustainable Design & Energy Statement

Energy & Carbon Dioxide Emissions.

The Dwellings Emission Rate (DER) will conform to the Target Emission Rate (TER) as detailed within the current edition of the Building Regulations.

The Building Fabric will be designed in accordance with the criteria set out within the current Building Regulations, using traditional cavity wall construction with high levels of insulation in the walls, floors and roofs.

The condensing boiler, if used, would have a SEBUK rating of A, with minimum 88% efficiency, including energy efficient zone controls and PVs on the roof to give power input. Or air source heat pumps to be installed, depending on client preference.

The fixed internal lighting will be designed to ensure they meet the energy efficiency targets within Building Regulation guidelines.

The dwellings will have adequate outdoor garden space for the inclusion of permanently fixed rotary clothes dryers and vegetable patch.

Where White Goods are provided their energy rating will be in accordance with the EU Energy Efficiency Labelling Scheme `A+' for fridges & freezers and a minimum of `A' for washing machines and dishwashers.

Cycle storage will be provided in the rear of the garden with lockable stores.

The house will be fitted out with the appropriate telecommunications, internet outlets and adequate power outlets to be used by the future owners as a home office space if they so wish.

Internal & External Water use

There is a commitment to restrict internal water consumption to 110 litres/person/day by the installation of dual flush WCs and flow reducing/aerated taps throughout.

There will be provision of water butts to collect rainwater for external use ie watering gardens, landscape etc.

Surface water run-off

The frontage parking courtyard and access will be constructed using a SUDS permeable paving system.

There is no flood risk as the site falls within a low risk area.

Waste

Suitable internal and external provision for the temporary storage of recyclable and non-recyclable household waste will be incorporated. Collections will be via the Local Authority waste service.

The dwellings will have adequately sized garden to facilitate home composting facilities suitable for normal domestic, non-woody garden, food and other compostable household waste.

Health & Wellbeing

A good level of natural daylighting and ventilation will be provided to all habitable rooms to enhance the well-being and satisfaction of the dwelling occupiers.

A 'View of the Sky' is achievable in all rooms due to the proposed window configuration and site layout design.

Private and secure gardens are provided for all dwellings.

Ecology

There will be an increase in biodiversity on completion of the development, through the inclusion of native planted soft landscaping to front and rear garden areas.