SUSTAINABILITY STATEMENT

77 Vickers way - Warwick - CV34 7AQ

Consideration of Sustainable Construction and Design

- Energy Efficiency - Features will be incorporated to reduce energy consumption, such as high-efficiency insulation, energy-efficient windows and doors, and energy-efficient appliances and lighting. Passive solar design has also been considered to optimize natural heating and cooling.

- Material Selection - where possible sustainable building materials will be considered to minimise environmental impact.

- Water Efficiency - Water efficient fixtures have been considered as well as rainwater harvesting which could be used to effectively irrigate new raised planters / landscaping features. Overall target would be to reduce water consumption, lower utility bills, and contribute sustainability.

- Natural Ventilation and Daylighting - The extension has been designed to maximize natural ventilation and daylighting, reducing the need for artificial lighting and mechanical cooling. The homeowner can easily open the bifold doors to promote airflow.

- Renewable Energy - Given the size of the proposed rear extension (28m2 GEA) there isn't scope to consider renewable energy opportunities as solar panels or small wind turbines.

- Site Design and Landscaping – The design incorporated outdoor space with planting to support biodiversity, Consideration can be given to the planting to support wildlife habitats.

- Durability and Longevity - The construction materials will have longevity, reducing the requirement for maintenance and replacement

- Soakaway / Suds) for storm water runoff will be incorporated which align with principles of sustainable development by integrating water management planning and design.

By incorporating these sustainable design principles into the planning and construction the extension as proposed can be more environmentally friendly and contribute to a sustainable future.

In conclusion, In designing the proposed domestic extension, it was necessary to consider sustainable construction and design principles to create a space that is environmentally friendly, resilient, and energy-efficient.
By integrating features such as energy-efficient insulation, responsibly sourced materials, water-efficient, natural ventilation, renewable energy systems, and thoughtful landscaping, we can minimize the environmental footprint and create a more comfortable living environment.

Paul Hurley

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