

Green Infrastructure Statement

Proposed Garden Room – 5 Glanwern Rise, Newport, NP19 9BS

This statement outlines how the proposed development of a garden room at 5 Glanwern Rise contributes positively to the principles of green infrastructure and aligns with the goals of sustainable development as set out in Planning Policy Wales (Edition 11) and the Well-being of Future Generations (Wales) Act 2015.

1. Site Context

The property is a residential dwelling situated within an established suburban area in Newport. The garden room is to be located in the rear garden, maintaining existing boundaries and green spaces.

2. Green Infrastructure Measures

a. Preservation and Enhancement of Green Space:

The development retains the majority of the existing garden area. The footprint of the garden room is modest and sensitively placed to minimise loss of permeable surface. Landscaping will be enhanced through the planting of native shrubs and pollinator-friendly plants to increase biodiversity.

b. Sustainable Drainage (SuDS):

Surface water runoff from the garden room roof will be managed using sustainable drainage methods, including a water butt system for rainwater harvesting. Overflow will be directed to a soakaway or permeable gravel trench, subject to ground conditions.

c. Biodiversity and Ecology:

Bird boxes and/or insect hotels will be incorporated into the design to enhance ecological value.

d. Materials and Construction:

Construction will use sustainably sourced and/or recycled materials where possible. Timber elements will be FSC-certified. The structure will be built to high energy efficiency standards to reduce operational carbon footprint.

e. Climate Adaptation:

Glazing and insulation will be designed to reduce overheating and ensure year-round usability. Ventilation and shading options will help the garden room adapt to changing climate conditions.

3. Conclusion

The proposed garden room is a small-scale development that incorporates several green infrastructure features to contribute positively to the environmental quality of the site and its surroundings. The design enhances biodiversity, manages water sustainably, and supports the broader objectives of climate resilience and well-being for current and future generations.