CULLIS
ARCHITECTURAL DESIGN

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25th July 2025

Wrexham County Borough Council
Planning Services.

Description – Green Infrastructure Statement.

Address – 8 Heol Abon, Cefn Mawr, LL13 3LY.

Client – Mr & Mrs Hopkins.

Dear Sirs,

This Green Infrastructure Statement supports a planning application for a single-storey extension to a residential property located within a populated council estate. The site is situated in proximity to large wooded areas and open fields, providing important natural habitats and ecological corridors. The proposed development aims to minimise environmental impact and integrate measures that enhance biodiversity and green infrastructure.

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2. Green Infrastructure Context

The surrounding environment includes:

- Mature woodland areas within walking distance
- Open fields supporting a variety of flora and fauna
- An established urban green infrastructure network including trees, hedgerows, and public green spaces

These natural features contribute to the ecological richness of the area and offer opportunities to reinforce biodiversity through small-scale domestic interventions.

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3. Measures to Support Biodiversity and Green Infrastructure

a. Installation of Bat Habitat Box
To directly support local bat populations, the applicant will install a **Beaumaris Bat Box** (dimensions: 290 x 400 x 70 mm) sourced from **Wildcare National Ecology Supplies** (Ref: SKU BEAUMARIS-BAT-BOX). The box will be:

- Installed at an appropriate height (ideally >4m above ground level)
- Positioned in a sheltered location, ideally facing south or southeast to maximise warmth
- Maintained in accordance with ecological best practices

This installation is expected to enhance roosting opportunities for bats, which are protected species under UK law and known to frequent nearby wooded areas.

b. Locally Sourced Construction Materials
Where possible, materials for the construction of the extension will be **locally sourced** to reduce the carbon footprint associated with transportation and support the local economy. This includes:

- Brick and masonry supplies from nearby builders' merchants
- Use of timber from sustainably managed, regional sources

c. Low-Impact Construction Practices
Construction activities will aim to minimise disturbance to local flora and fauna by:

- Limiting noisy operations to standard working hours
- Managing waste responsibly, with recycling of materials where feasible
- Ensuring no contamination of soil or runoff into nearby green areas

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4. Future Green Infrastructure Enhancements (Optional)

While not a formal part of this application, the applicant is considering future additions such as:

- Installing a small wildflower patch or pollinator-friendly planting area in the garden
- Incorporating a water butt to collect rainwater from the extension roof for garden use
- Exploring bird boxes or hedgehog-friendly garden boundaries

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5. Conclusion

The proposed single-storey extension has been designed with regard to its ecological context. The inclusion of a bat box, commitment to sustainable materials, and responsible construction methods all demonstrate the applicant's intention to positively contribute to local green infrastructure and biodiversity

Yours faithfully,

Spencer Cullis

Cullis Architectural Design