Green Infrastructure Statement

Project: Rear extension at 1 Chelston Avenue Wrexham, LL13 9TQ

Green Infrastructure at Existing Site:

The site currently consists of a private garden enclosed with close board fencing and sparsely planted borders. The front garden includes a grass lawn and a block-paved driveway. The rear garden is mainly lawn with a concrete patio. There are no notable water bodies, wetland areas, or features of ecological value within the site boundary. The existing borders are planted with small shrubs.

Impact of the Proposal:

The proposed rear extension will replace the existing patio, resulting in minimal loss of greenery. As the extension will take the place over an existing hardstanding, it is considered to have a neutral effect on the site's biodiversity. See image below for the identified construction area.



Enhancements and Mitigation Measures:

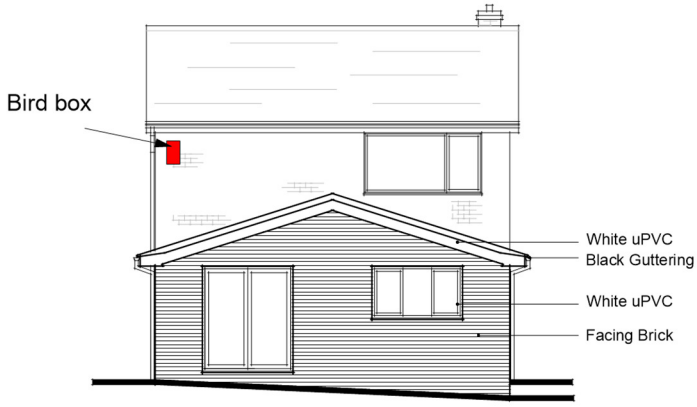
In line with Green Infrastructure and Net Biodiversity Benefit requirements, the following measures will be incorporated:

Installation of Bird Boxes:

Installation of Bird Box
A bird box will be installed to support local bird populations. The box will be placed on the Northern (Rear) wall, positioned high and out of direct sunlight to minimise predation. This location will also reduce competition between birds as only a single box will be installed.

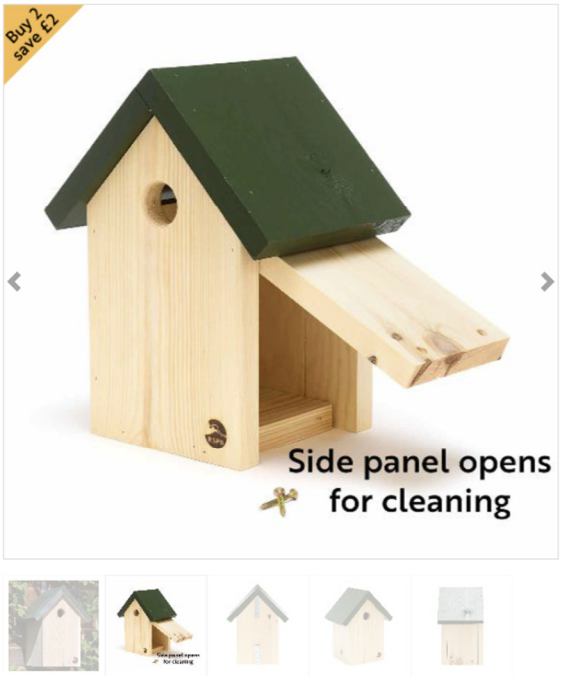
Key considerations for placement include:
• Ensuring a clear flight path in and out of the box.
• Proximity to trees and shrubs to allow parent birds to perch and survey the area before entering the box.

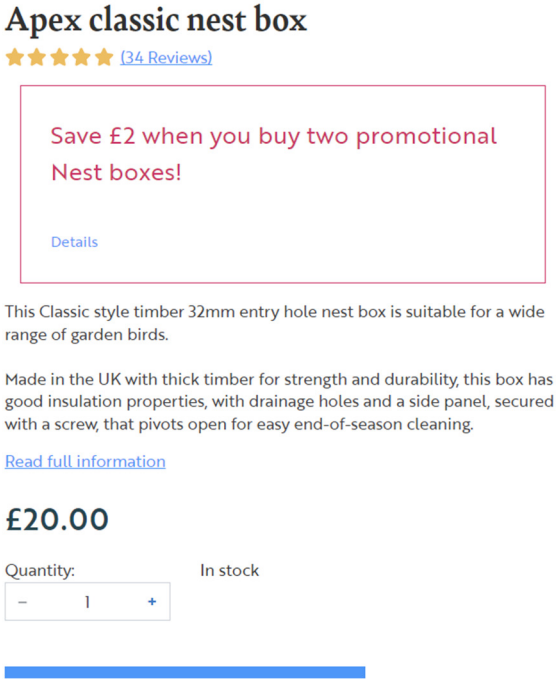
The precise location of the bird box is marked on the elevation drawing below.



Proposed Rear Elevation
View B

A sample bird box design is illustrated below.





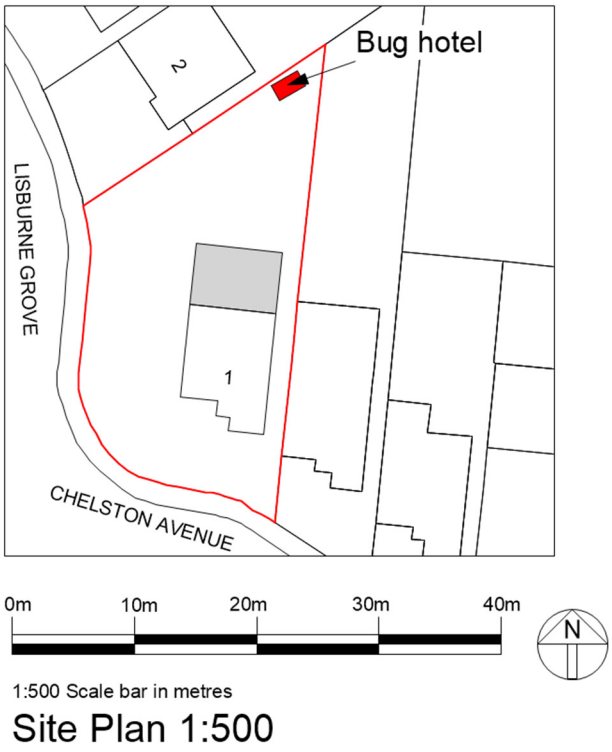
Installation of a Bug Hotel :

To enhance the biodiversity of the site and support local insect populations, a bug hotel will be installed within the garden. This will provide shelter and breeding spaces for beneficial insects, including pollinators such as bees and butterflies, as well as other species that contribute to the ecosystem.

Key considerations for the bug hotel:

• It will be positioned in a quiet, undisturbed part of the garden.
• It will face a sunny aspect, to maximise warmth and encourage insect habitation.
• The structure will be constructed using natural materials such as wooden logs, bamboo, and dried leaves, promoting sustainable and eco-friendly practices.

The location of the bug hotel is approximately indicated on the site plan below.
Provision



Site Plan 1:500

A sample bug hotel is illustrated below



Conclusion:

The proposed development has been designed to integrate and enhance the existing green infrastructure. By implementing the above measures, the project aims to provide a net biodiversity benefit and contribute to the resilience of local ecosystems.