

Mr Steve Wantling

Coed Derwen,

Groves Lane,

Erbistock,

Wrexham, LL13 0ND

Green Infrastructure Statement

and

Net Biodiversity Benefit Plan

3rd July 2024

Produced by



www.wildbanksconservation.com

This document contains the required ecological mitigation and biodiversity enhancement actions relating to the planning permission application (no P/2023/0775) at Coed Derwen, Erbistock for a new vehicle access point from the un-named road through an existing hedge and garden. For clarity from this point onwards the Site is the footprint of the property (red line boundary as per Site Plan – Existing, Drg No 2023/60/01, October 2023).

A Site visit was undertaken on the 27/07/24 by Mick Smith MCIEEM, Director Wildbanks Conservation with 15 years experience in ecological consultancy. A walk around the wider area owned by Mr Wantling (blue line boundary) was also completed at this time to inform the Green Infrastructure Statement.

Green Infrastructure Statement and Net Biodiversity Benefit

Form completed by:	Mick Smith
Date:	03/07/2024
Address of site:	Coed Derwen, Groves Lane, Erbistock, Wrexham, LL13 0ND
Grid reference:	SJ 35696 41790
Description of Proposal:	Creation of new vehicle access point and parking area

1. Details of all existing green infrastructure on site and approximate size:

Boundary 1:	Northern 16m– existing hedge consisting of hawthorn, ivy, holly, honeysuckle, elder and ornamental shrubs
Boundary 2:	Eastern 27m– timber fence
Boundary 3:	Southern 20m – stock fencing
Boundary 4:	Western 27m– stock fencing
Front Garden:	including Lawn to west with ornamental shrubs, circa. 120m ²
Rear Garden:	Lawn with ornamental shrubs, circa 180m ²
Other:	No trees or ponds are present within the redline boundary. Hardstanding present to the front of the house (80m ²)

2. What green infrastructure features (trees, hedges, hedgebanks) have already been removed from site and/or require removal to facilitate the development (add lengths or areas)?

Boundary 1:	circa.15m of existing hedge is to be removed to provide required sightlines as required Wrexham Council highways dept as per Drg No 2023/60/02 REV B, Oct 2023
Boundary 2:	No alteration
Boundary 3:	No alteration
Boundary 4:	No alteration
Front Garden:	Removal of some of lawn to allow for hardstanding for parking and turning (approx. 70m2)
Rear Garden:	No alteration
Other:	

3. How are the retained features being protected during development (BS5837:2012)?

Boundary 1:	Any roots of retained hedge will be cut clean with loppers to reduce potential infection of the roots and promote recovery. The first retained hedge tree closest to the new access point will be watered in severe drought conditions
Boundary 2:	No works are to be carried out in the vicinity of this boundary. The boundary is a fence and will be replaced if unforeseen damage occurs
Boundary 3:	No works are to be carried out in the vicinity of this boundary. The boundary is a fence and will be replaced if unforeseen damage occurs
Boundary 4:	No works are to be carried out in the vicinity of this boundary. The boundary is a fence and will be replaced if unforeseen damage occurs
Front Garden:	NA
Rear Garden:	No works are to be carried out in the vicinity of the back garden.
Other:	

4. What Green Infrastructure is being planted as mitigation for losses?

Boundary 1:	NA
Boundary 2:	None
Boundary 3:	None
Boundary 4:	20m of mixed species native hedge is to be planted along this length. See below for details
Front Garden:	None
Rear Garden:	None
Other:	

Hedge

The new 20m long native hedge running roughly north south on the Western boundary of the Site. This hedge will have value for the enhancement of biodiversity in the area providing a valuable food and nectar resource as well as improving commuting routes for mammals and providing shelter for a wide range of animals. The below specification should be followed for the planting and subsequent management of the hedge to fulfil the enhancement of biodiversity withing the development.

➤ Hedge specification:

The hedge will consist of the plating mix shown in table 1. Plants used will be of a minimum of 1 + 1 age (40-60cm) and will be planted at a density of 5 per metre (Standard planting for a new hedge) in double row.

Table 1:		
Species	Common name	Proportion (%)
<i>Crageatus monogyna</i>	Hawthorn	35
<i>Acer campestra</i>	Field maple	15
<i>Corylus avellana</i>	Hazel	10
<i>Ilex aquifolium</i>	Holly	20
<i>Viburnum opulus</i>	Guelder rose	20

➤ Guard specification:

Each tree planted will be guarded using a “**Bio-Earth Biodegradable Plastic-Free Tree Shelter Guard**” and the holly will be guarded using “**Bio-Earth Biodegradable Plastic-Free Shrub Shelter Guard**”. Both will have wooden stakes and re-usable cable ties. These guards are plastic free and biodegradable, making them a more sustainable option that tradition plastic guard types.

➤ Hedge management:

The bottom of the hedge will be mulched with woodchip annually for 3 years. This will suppress weed competition and retain moisture within the roots encouraging quick establishment. In severe drought conditions the hedge will be watered as required. A yearly check of the hedge will take place for 5 years. This check will include the replacement of any broken stakes or guards and of any dead trees. The guards and stakes will be checked to ensure that they still stand upright and are stable in the ground. Any trees that die within the first 5 years will be replaced

5. Biodiversity enhancements

The enhancements do not need to be directly attached to the proposed new construction; they can be attached to the host dwelling or placed within the garden, but they do need to be on land within the red or blue line. The principle is that the enhancements should lead to a 'net benefit' for biodiversity. The following biodiversity enhancements have also been added:

√	Measure	Plan	Details
Yes	Boxes. (state type and number) Please make sure they are currently available to buy.	Submit a plan of location and photos of elevation if available.	Height or aspect
	A tree mounted barn owl box, as recommended by the Barn Owl Trust will be installed on the mature oak tree to the SW of the Site	see plan below	above 4m in height with orientation south
No	Hedgerow. Total new or restored length.	Submit plan of location.	Calculate number of each species using information in the guidance above. Ensure that you can easily purchase the species proposed.
No	Tree/orchard planting. Number of trees.	Submit planting plan.	Size of tree (at time of planting), species (full latin name) and any proposed protection measures.
No	Wild flower grassland (area in m2).	Submit plan of location.	Species mix and site preparation details. Confirm that appropriate management is achievable.
No	Pollinator shrub planting. Area in m2.	Submit plan of location.	Species proposed (latin names)
No	Wildlife ponds. Number of.	Submit plan to scale including cross-section.	Details on lining or any proposed planting.
No	Hibernacula. Number of.	Submit plan of location.	Brief description of materials proposed.
	Any other measures.		

6. Management and maintenance.

Any information on the long term management and maintenance of the enhancements.

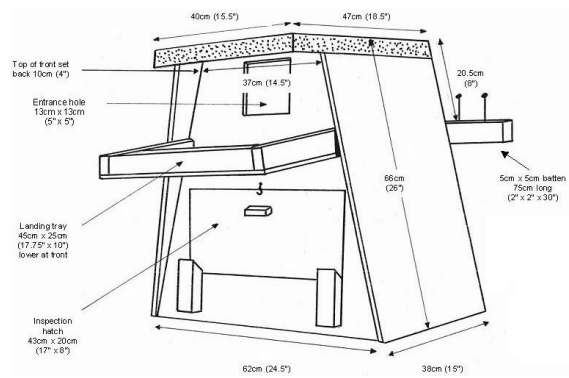
The design of the barn owl box is such that it should not require maintenance for a minimum of 10 years. Ground based monitoring every 2 years is proposed to ensure it is still fit for purpose.

7. Conclusion

Based on the information provided above, this development will result in a **Green Infrastructure and Net Biodiversity Benefits** upon completion. |

8. Sketch plan (Insert plan showing the features of the development site):





Plan and photos taken from Barn Owl Trust website

9. Site photos (as required)



Above three photos of hedge to be removed.



Western boundary to be planted with new native hedge (purple dashed line). Location of tree for barn owl box marked with red oval.