



Landscape and Ecological Management Plan

on behalf of R Sheppard

Proposed replacement dwelling and revised site
access

At Basin Bridge Farm, Stoke Golding

Prepared by: Simon Tindle MRTPI, Divisional Partner and Ryan Clark ACIEEM, Senior Ecologist

For and on behalf of Brown & Co.

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Date: March 2024.

Reference: 044944.

1. Introduction

- 1.1 This statement has been prepared by Brown & Co to support of a full planning application submitted on behalf of Mr R Sheppard for the replacement of the dwelling and revised access at Basin Bridge Farm, Hinkley Lane, Stoke Golding.



Figure 1 – Aerial photo of the site [source Google Maps]

- 1.2 The purpose of this statement is to detail how habitats and other ecological enhancements will be managed and maintained over a five-year period. An Ecological Impact Assessment was undertaken by Swift Ecology

the statement is structured as follows:

- **Section 2:** describes the **hard and soft landscaping works**;
- **Section 3:** outlines the **ecological enhancements** ;
- **Section 4:** summarises the **implementation scheme**;
- **Section 5:** provides details of **ongoing management**

- 1.3 This statement should be read in conjunction with the following application documents submitted as part of the full application:

- Ecological Impact Assessment by Swift Ecology ref: C3045-1
- 22.106.K0006_P1 - Landscape and Ecological Management Plan
- 22.106.K0007_P1 - Soft Landscape Scheme

2. Hard and Soft Landscaping Works

2.1 Hedgerows will comprise native species which are appropriate to the landscape, as follows:

2.2 Single Species 85 linear metres @5plants per metre;

- *Carpinus betulus* 425no.

2.3 Mixed species 110 linear metres @5plants per metre:

- *Crataegus monogyna* 138no.
- *Corylus avellana* 83no.
- *Viburnum avellana* 55no.
- *Acer Campestre* 83no.
- *Ilex aquifolium* 28no.
- *Euonymus europaeas* 55no.
- *Carpinus betulus* 83no.
- *Malus sylvestris* 28no.
- Total plants: 550

2.4 Ornamental Box Hedging:

- *Buxus microphylla* 5L- 40 Linear mtrs.at 40cm spacing
- Total plants 125no.

3. Ecological Enhancements

3.1 This section details the ecological enhancements to be proposed on the Site to discharge the recommendations set out within the Ecological Impact Assessment.

Bats

3.2 The following enhancement features are recommended to target bat species:

- Two Kent Bat Boxes (available from wildcare.co.uk) to be installed in deciduous trees in the southeast of the Site. Boxes should be installed at least 4 m above ground level and positioned with a clear 'drop off zone' to allow for obstruction free flight in and out. Boxes should face approximately east-southeast to avoid driving winds and overheating and should not be interfered with once installed.

Birds

3.3 The following enhancement features are recommended to target bird species:

- Four Starling Nest Boxes (available from nestbox.co.uk) to be installed in deciduous trees in the southeast of the Site. Boxes should be installed at least 2 m above the ground and approximately east-southeast facing. Boxes should be installed within a distance no greater than 5 m of each other to support gregarious behaviour. Boxes should not be interfered with once installed.

Invertebrates

3.4 The following enhancement measures are recommended to target invertebrate species:

- Six Green and Blue Bee Bricks (available from greenandblue.co.uk) to be installed in building facades. Brick to be mounted approximately 1-3 m in height facing approximately south.
- Three log piles to be installed within the tree stands in the southeast of the Site. Hard wood logs of local provenance should be stacked to create features that are approximately 1 m x 2m and not to exceed 0.6 m in height. Two should be positioned in the open or at the edge of the tree stands, and the other in a shaded area.
- Any standing deadwood should be retained.

General – during construction

3.5 The following general enhancement measures are recommended:

- Avoid unnecessary chemicals, herbicides, pesticides, vermicides and creating debris on the Site as these substances could harm wildlife. Liquid chemicals could further drain into the groundwater, causing contamination of the wider landscape.
- Where biological resources are used on Site, such as wood for fences, materials should be sustainable and locally sourced where possible; Forestry Stewardship Council certified for timber resources.
- Avoid transporting offsite soil onto the Site. Where unavoidable, ensure that soil is peat free and suitable for the proposed transplant location. Peat free soil/compost retains water reducing the amount of watering required, it also releases nutrients slowly and has a reduced impact on the environment when compared with compost containing peat.
- Fuel considerations to avoid leakage and pollution of the local environment:
 - All equipment, machinery and/or plant used in the scope of the proposed works should be fitted with fuel drip trays where possible.
 - All storing of fuel and re-fuelling of equipment, machinery and/or plant should take place with the use of drip-capture devices.
 - All onsite personnel should have access to spill mitigation devices for other equipment capable of leaking fuel or oil.
- Activities generating dust should be avoided or dampened where possible.
- Naturally occurring vertebrate carcasses to be left in situ if deemed not to be a danger to public health. This promotes necrobiome ecology and encourages taxa such as fungi and beetles—keystone species in woodland habitats.

4. Implementation Scheme

4.1 This section details how and where the ecological enhancements, as set out in section 3, are to be installed on the Site to discharge the recommendations set out within the Ecological Impact Assessment.

Bats

4.2 One 1FW Schwegler Bat Hibernation Box (available at nhbs.com) to be installed in deciduous trees in the southeast of the Site. Boxes should be installed at least 4 m above ground level and positioned with a clear 'drop off zone' to allow for obstruction free flight in and out. The box should face approximately north to retain a consistently cool

internal temperature to promote bat hibernation behaviour. The box should not be interfered with once installed.

4.3 **Birds**

Four Manthorpe Swift Nesting Bricks (available at manthorpebp.co.uk) should be installed within an east-southeast facing aspect of the replaced dwelling. Bricks should be positioned aggregately, with a distance no further than 2 m between bricks. Bricks should not be interfered with once installed.

Invertebrates

- 4.4 Six Green and Blue Bee Bricks (available from greenandblue.co.uk) to be installed in building facades. Brick to be mounted approximately 1-3 m in height facing approximately south.
- 4.5 Three log piles to be installed within the tree stands in the southeast of the Site. Hard wood logs of local provenance should be stacked to create features that are approximately 1 m x 2m and not to exceed 0.6 m in height. Two should be positioned in the open or at the edge of the tree stands, and the other in a shaded area.
- 4.6 Any standing deadwood should be retained.

5. Ongoing Management

- 5.1 This section details the ongoing management of the Site following implantation of the permission.
- 5.2 Sensitive garden management will help enhance the garden, to include avoidance of herbicides and pesticides, and use of peat-free alternatives.
- 5.3 Sensitively manage trees on site, to retain any dead trees as standing deadwood (an important resource for invertebrates and fungi) where it is safe to do so. Felled trees and any branches removed should be retained on site where possible as a deadwood resource, e.g. they could be used to create/renew log piles.
- 5.4 If at any point during the works on site, a plant species without legal controls are discovered, e.g. orange balsam, a suitably qualified ecologist should be consulted on how to sensitively eradicate it from site.