# ECOLOGICAL ENHANCEMENT PLAN – BIRD & BAT BOX SCHEDULE

## Land at Berse Road, Wrexham

### 1. Introduction

This Ecological Enhancement Plan has been prepared to provide details of the bird and bat enhancement measures proposed as part of the residential development at Land off Berse Road, Wrexham.

The measures have been informed by the Preliminary Ecological Appraisal and are intended to provide additional nesting and roosting opportunities for protected and priority species in accordance with Section 6 of the Environment (Wales) Act 2016.

The Preliminary Ecological Appraisal recommended the provision of five integrated bat boxes together with a bird box scheme. The proposals set out within this document exceed the recommendations of the ecological assessment through the provision of seven bat roosting features and thirty-six bird nesting features.

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# 2. Bat Enhancement Scheme

## Bat Tubes

### Quantity

7 No.

### Specification

- Schwegler 1FR Bat Tube or approved equivalent.
- Integrated within the external wall construction of dwellings.
- Suitable for crevice-dwelling bat species.

### Location

Bat tubes shall be distributed throughout the development on dwellings adjacent to public open space, retained hedgerows and landscape corridors.

### Installation Requirements

- Minimum height of 4m above ground level.
- Installed clear of windows, doors and vents.
- Located away from external lighting.
- South, south-east or south-west facing elevations where practicable.
- Installed in accordance with manufacturer recommendations.

### Enhancement Value

The provision of seven bat tubes exceeds the recommendation contained within the Preliminary Ecological Appraisal, which recommended five integrated bat boxes.

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# 3. Bird Enhancement Scheme

## Swift Nest Boxes

### Quantity

18 No.

### Specification

- Schwegler 1A Swift Nest Box or approved equivalent.
- Surface-mounted woodcrete construction.

### Location

Swift boxes shall be installed on suitable dwellings overlooking public open space and green infrastructure corridors.

### Installation Requirements

- Minimum height of 5m above ground level.

- Installed beneath eaves or on gable elevations.
- Clear flight path maintained.
- North, north-east or east-facing elevations preferred where practicable.
- Installed in pairs or small groups where possible.

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## Sparrow Terrace Boxes

### Quantity

18 No.

### Specification

- Schwegler 1SP Sparrow Terrace Box or approved equivalent.
- Surface-mounted woodcrete construction.

### Location

Installed throughout the development on dwellings adjacent to open space, landscaping and retained hedgerows.

### Installation Requirements

- Minimum height of 3m above ground level.
- Installed beneath eaves where practicable.
- Located in groups to encourage colony nesting behaviour.
- Installed in accordance with manufacturer recommendations.

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# 4. Enhancement Schedule

| Feature | Quantity | Specification |
|---|---|---|
| Bat Tubes | 7 | Schwegler 1FR Bat Tube or equivalent |
| Swift Nest Boxes | 18 | Schwegler 1A Swift Nest Box or equivalent |
| Sparrow Terrace Boxes | 18 | Schwegler 1SP Sparrow Terrace Box or equivalent |

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# 5. Implementation

All bird and bat boxes shall be installed prior to occupation of the relevant dwelling and retained thereafter for the lifetime of the development.

Any damaged or defective boxes shall be replaced with equivalent products to ensure the continued provision of ecological enhancement measures.

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# 6. Conclusion

The development will provide a total of 43 dedicated bird and bat nesting features comprising 7 bat tubes, 18 swift nest boxes and 18 sparrow terrace boxes.

The proposed bat roosting provision exceeds the recommendations of the Preliminary Ecological Appraisal and, together with the bird box scheme, will provide long-term biodiversity enhancement within the development.