



AEWC Ltd

Animal Ecology & Wildlife Consultants

Ecological Enhancement Plan

Eastleigh Infill – Hanns Way

**Eastleigh
Hampshire
SO50 5NZ**

Annika Binet

**21-041H
April 2023**

**AEWC Ltd Birch Walk, Lower Street, Fittleworth, West Sussex, RH20 1JE
Tel: 08452 505585, info@aewc.co.uk, www.aewc.co.uk**

Registered in England and Wales No. 06527840

Contents

1. Introduction	3
2. Ecological Enhancement Plan.....	6
 FIGURE 1: SHOWING THE SITE LOCATION	 3
FIGURE 2: AERIAL VIEW OF THE SITE SHOWING THE SITE BOUNDARY	4
FIGURE 3: PROPOSED DEVELOPMENT SKETCH PLAN	5
FIGURE 4: PROPOSED ECOLOGICAL ENHANCEMENTS	9



Author	Emily Partridge
Authorised by	Annika Binet
Report and version number	21-041H-EEP-V3

This report has been prepared by AEWC Limited, with all reasonable skill, care and diligence within the terms of the Contract with the client. We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above. This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at their own risk.

The information and data which has been prepared and provided is true and has been prepared and provided in accordance with the 'Guidelines for Preliminary Ecological Appraisal' and 'Code of Professional Conduct' issued by the Chartered Institute of Ecology and Environmental Management (CIEEM). We confirm that the opinions expressed are our true and professional bona fide opinions.

1. Introduction

- 1.1 AEWCLtd were commissioned by Doswell Projects on behalf of their client to produce an Ecological Enhancement Plan (EEP) for a site at Hanns Way Carpark, Eastleigh SO50 5NZ at grid reference SU 45426 18902 to help inform the proposed development of the site.
- 1.2 A site visit was conducted on the site on 7th January 2022 by qualified ecologist Annika Binet.

Site Location

- 1.3 The site is located in Eastleigh, Hampshire and is surrounded by residential development with Hanns Way running parallel to the eastern boundary and Wells Place running along the southern boundary. The surrounding landscape comprises commercial properties and residential development and amenity gardens. See Figure 1.

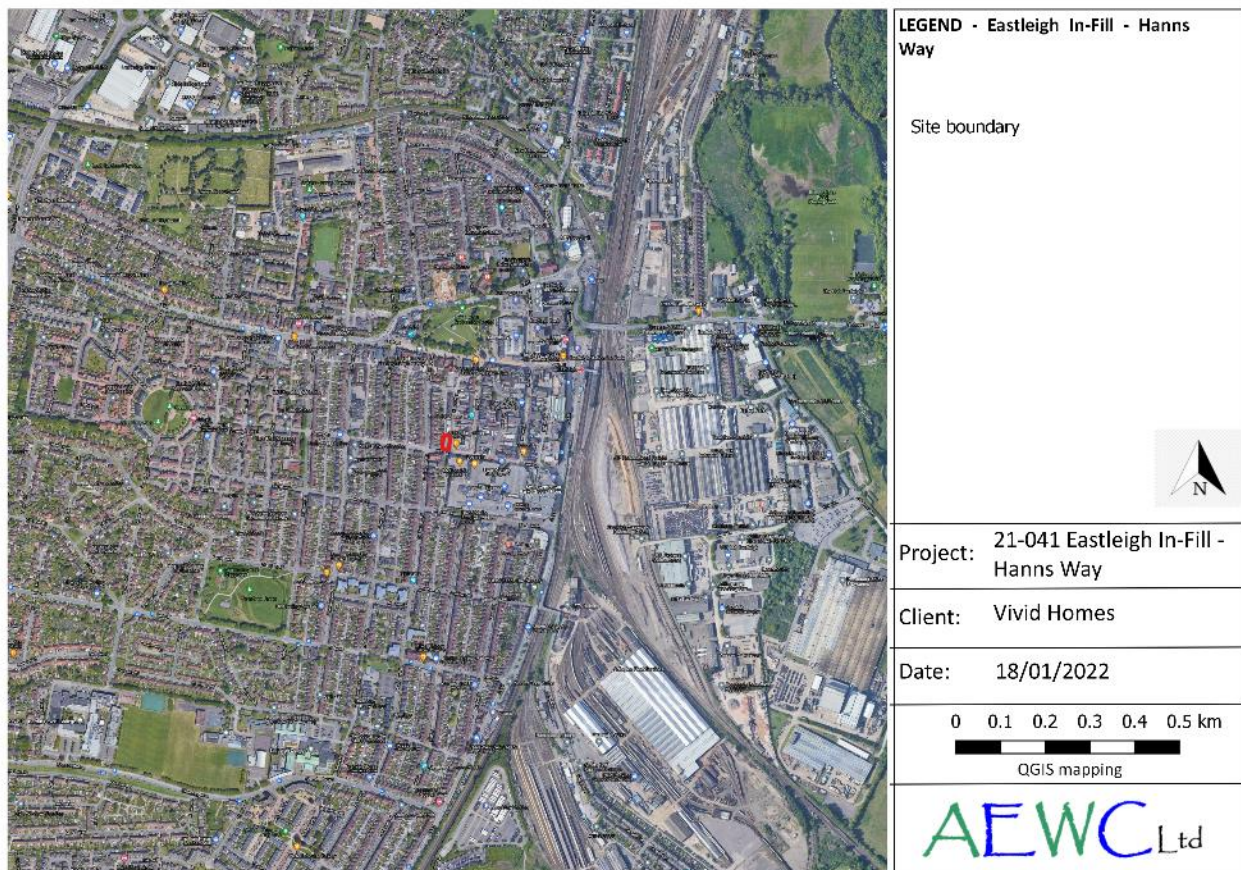


FIGURE 1: SHOWING THE SITE LOCATION



FIGURE 2: AERIAL VIEW OF THE SITE SHOWING THE SITE BOUNDARY

- 1.1 The site is approximately 0.04ha and comprises a hardstanding carpark with no existing ecological value.

Proposed development

- 1.2 The proposed development is for the clearance of the site and construction of a three-storey building containing three flats with associated parking and landscaping, the proposed plan with landscaping proposals is shown on submitted drawing DD625L01, an extract of this plan is shown in Figure 3.

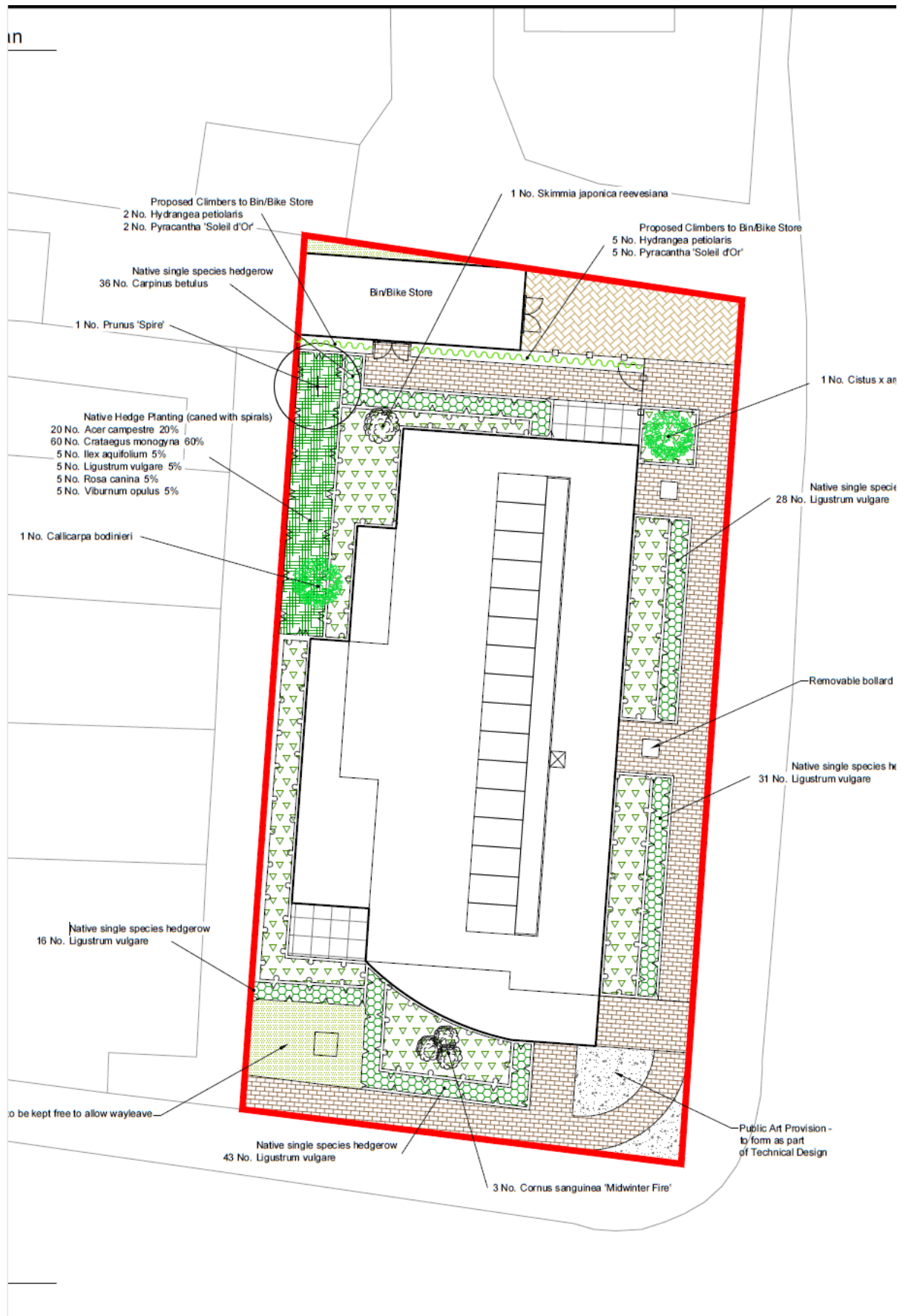


FIGURE 3: PROPOSED DEVELOPMENT LANDSCAPE PLAN EXTRACT (SEE SUBMITTED PLAN DD625L01_LANDSCAPE PROPOSAL PLAN FOR FULL RESOLUTION COPY)

2 Ecological Enhancement Plan

- 2.1 Habitat or species-specific recommendations are given in **bold** below. Ecological enhancements and proposed locations of features are illustrated in Figure 4.

Habitat Protection and enhancement

General

- 2.2 In order to enhance the habitat for wildlife, the **planting schemes for the proposed development will use native species or species with known benefit to wildlife** wherever possible.
- 2.3 In line with best practice, **the use of peat in composts or topsoil will be avoided.**

Hedgerows and trees

- 2.4 The proposed outline development includes hedgerow planting (corresponding to a biodiversity net gain for this linear habitat feature). In order to increase the value of the proposed hedging 'Species Rich Mixed Native Instant Hedging' could be used. It is commercially available in 1m lengths where the plants are established and 'knitted together' and include at least 8 species (hawthorn, blackthorn, guelder rose, wayfaring tree, spindle, crab apple, holly, hazel, field maple and buckthorn) per 6m of hedging.
- 2.5 Newly planted trees are also proposed within the site. These should also comprise of native and wildlife beneficial species.

Grassland and planting

- 2.6 It is recommended that areas of communal gardens could be sown with meadow mix rather than turfed and that planting beds should comprise of native and naturalised pollinator friendly shrubs.

Management and Maintenance

- 2.7 All planting works to conform to BS 4428:1989; Code of Practice for General Landscape Operations (Excluding Hard Landscape Operations). All maintenance operations to conform to BS 7030:1993 Part 4 1993; Recommendations for Maintenance of Soft Landscape (Except Amenity Turf).
- 2.8 **Establishment** - Trees and shrubs will be watered to ensure they thrive through dry weather and re-firmed after strong winds or frost heave
- 2.9 **Annual Maintenance** - Trees and Shrubs - Tree ties to be adjusted, to be checked for damaged branches/stem and pruned in accordance with good horticultural practice, where they have died or failed to thrive they will be replaced, incorporate a slow release fertilizer as per manufactures rates, topping up mulch to ensure 75mm depth.
- 2.10 Defects period to be instructed for planting works to ensure replacement of dead/dying planting stock (with same sized specimens) within subsequent planting season. Defects periods recommended: min two year defects period for tree planting,

min one year defects period for shrub/herbaceous planting and min 6 months for wildflower/grassed areas.

Species Enhancement

Birds

- 2.11 **Appropriate bird boxes will be installed on site. A minimum of 2 integrated nest boxes) will be installed on the proposed building to enhance the suitability of the site for nesting birds.**
- 2.12 Bird boxes should comprise of swift boxes, which are suitable for a range of species including swift and starling (below left) and sparrow terraces (below right). Boxes should ideally be woodcrete or similar hard-wearing material (rather than the less durable traditional wooden boxes) and be integrated into the fabric of the new building rather than affixed externally. Boxes should be installed in a sheltered location on the new building at a height of 3-5m from the ground, sparrow terraces should ideally be situated close to trees or other tall vegetation.



Bats

- 2.13 **A minimum of 1 appropriate bat box will be integrated into the new residential block on the site.**
- 2.14 Examples of suitable integrated boxes include 2FR Schwegler Bat Tube (below left), Vivara Pro Build-in Woodstone Bat Tube (below middle) and Habibat Bat Box (below right). These boxes are discreet and can be built directly into the walls of the new building.
- 2.15 They should be at least 4m above the ground (where safe installation is possible) and sheltered from strong winds and exposed to the sun for part of the day (usually south or south-west). Due to the positioning of existing street lighting the most suitable location for the box on this building is on the western elevation towards the southern end of the proposed building.



2.16 Additional external lighting should be avoided or kept to the minimum necessary, and preferably on a motion sensor to reduce lighting time. No lighting should be directed to shine on the installed bird and bat boxes.

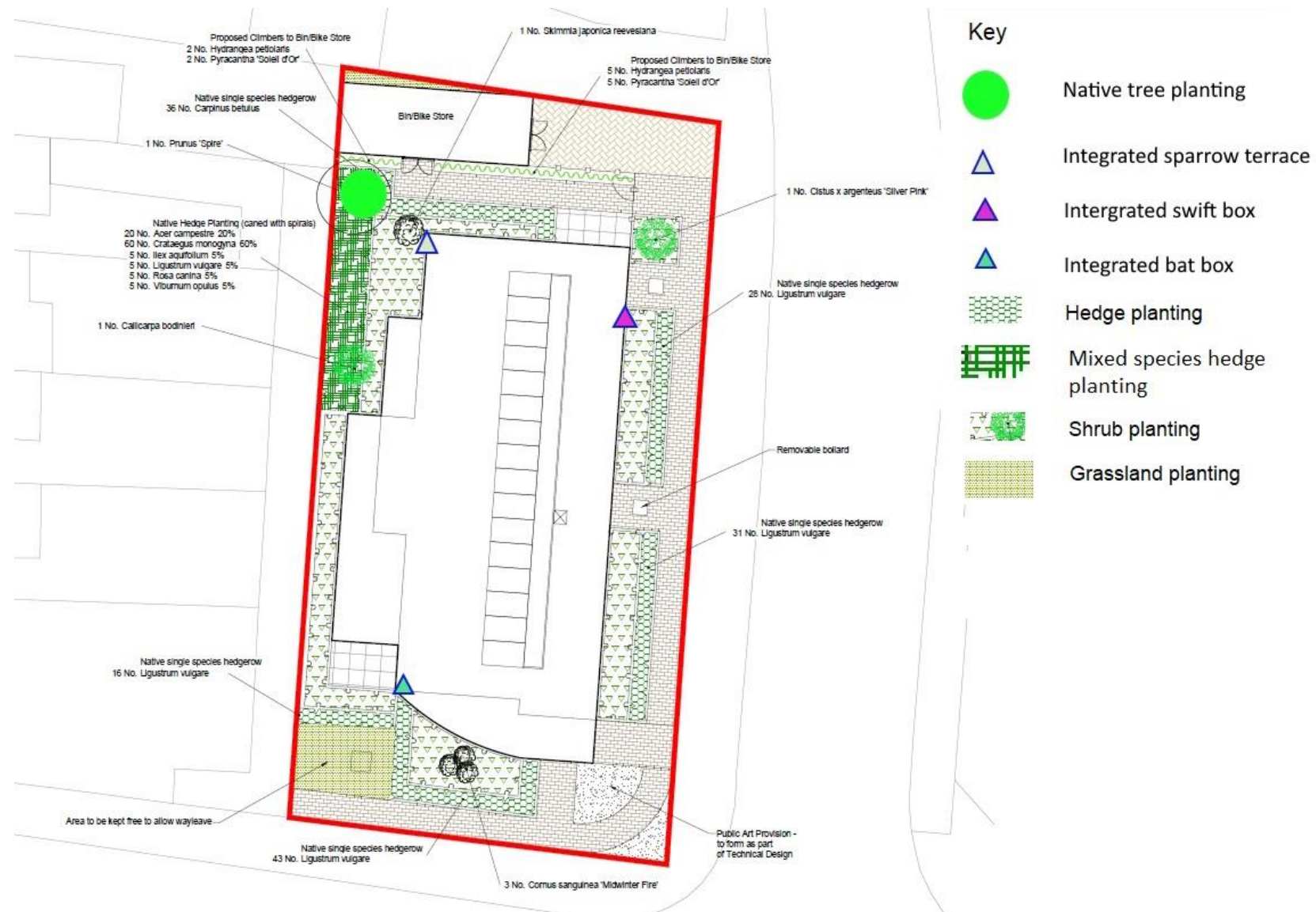


FIGURE 4: PROPOSED ECOLOGICAL ENHANCEMENTS

3 References

British Standard Institution (2013) *BS 42020:2013 Biodiversity. Code of practice for planning and development*, London, England

CIEEM (2011) *Professional Guidance Series 10: Guidance on metadata Standards: Reporting, sharing and archiving ecological data*. Chartered Institute of Ecology and Environmental Management, Winchester

CIEEM (2015) *Guidelines on Ecological Report Writing*. Chartered Institute of Ecology and Environmental Management, Winchester

Department for Communities and Local Government (2012) *Technical Guidance to the National Planning Policy Framework*. Department of Communities and Local Government, London.

Department for Communities and Local Government (2012). *National Planning Policy Framework*. Department of Communities and Local Government, London.

ODPM (2005) *Government circular: biodiversity and geological conservation – statutory obligations and their impact within the planning system*. The Stationary Office.

RIBA Publishing (2013) *Designing for Biodiversity: A technical guide for new and existing buildings (second edition)*. RIBA Publishing, London.

Edgar, P., Foster, J. and Baker, J. (2010). *Reptile Habitat Management Handbook*. Amphibian and Reptile Conservation, Bournemouth.

Mitchell-Jones, A.J., (2004). *Bat Mitigation Guidelines*. English Nature, Peterborough.

Natural England (2011). *Reptile Mitigation Guidelines*. Natural England.