

HOGWOOD FARM, FINCHAMPSTEAD

DETAILED REPTILE MITIGATION STRATEGY – PARCEL 13

Prepared for Vistry Thames Valley

by

Hankinson Duckett Associates

HDA ref: 442.2

April 2025

hankinson duckett associates

t 01491 838175 **f** 01491 838997 **e** consult@hda-enviro.co.uk **w** www.hda-enviro.co.uk
The Stables, Howbery Park, Benson Lane, Wallingford, Oxfordshire, OX10 8BA

Hankinson Duckett Associates Limited Registered in England & Wales 3462810 Registered Office: The Stables, Howbery Park, Benson Lane, Wallingford, OX10 8BA

CONTENTS

	Page
1 Introduction	1
2 Parcel 13 Detailed Mitigation Strategy	4
3 Management and Monitoring	8
4 Conclusion	8
5 References	9

HDA Document Control and Quality Assurance Record

APPENDICES

- A Phase 1 Habitat Survey Plan (showing Parcel 13 development area and wider site)
- B Parcel 13 – Biodiversity Mitigation and Enhancement Plan

1 INTRODUCTION

1.1 Site location and summary description

1.1.1 This report describes a Detailed Reptile Method Statement in relation to Parcel 13 of the development of approximately 110ha of land at Hogwood Farm, Finchampstead. The Parcel 13 development area comprises approximately 1.9ha of land, hereinafter referred to as 'the site'. The site centre is located by National Grid Reference SU 7756 6459. The study was commissioned by Vistry Thames Valley in January 2025.

1.1.2 The Parcel 13 site is located to the south of Arborfield Green, Berkshire. In general terms, at the time of the Phase 1 habitat survey in 2023 it comprised a triangle area of ruderal vegetation and hardstanding, bordered by a native hedgerow with trees to the north-east and roads. It should however be noted that prior to this, the Parcel 13 site had been used as a site compound for the Nine Mile Road Extension (NMRE) road as can be seen on *Figure 1* below. The Parcel 13 site is bordered to the south by the NMRE road beyond which is a future development parcel which currently comprises ruderal vegetation and bare ground; to the north-west by NMRE road beyond which is a future development parcel which currently comprise bare earth; and to the north-east by Park Lane beyond which are residential dwellings and Robinson Crusoe Park. The location and boundary of the Parcel 13 site is shown in *Appendix A*.

Figure 1: Satellite imagery of the site from February 2022 (GoogleEarth, 2025)



1.1.3 The Parcel 13 site is part of a larger area covering a total of 110ha, hereinafter referred to as the 'wider site'. The wider site includes residential properties and a construction site associated with previous phases in the north-west and a SANG in the south which comprises a mix of wetland, species-rich grassland, scrub and woodland habitats. In general terms, the western area of the wider site is comprised of three fields of disturbed ground dominated by short ruderal vegetation with scattered areas of tall ruderal vegetation and large spoil heaps bordered by mature trees and woodland with scrub field margins. The central and eastern areas of the site are comprised of areas of

hardstanding and construction/disturbed ground bordered by mature treelines and woodland. The south-eastern areas of the site comprise two fields of semi-improved grassland fields intersected by a ditch with associated scrub and scattered trees. A species-rich hedgerow with trees adjacent to Park Lane is present along the southern boundary. Woodland shaws and copses are located in the northern, western and central areas of the site, including mixed, broadleaved and broadleaved plantation woodland types, some of which are included on Natural England's Inventory of Ancient Woodland. Wetland habitats within the site include drainage ditches and small streams associated with the field boundaries and several ponds in poor condition are located across the site. The wider site is bordered to the north by a construction site, the Bohunt School and the Hogwood Industrial Estate; to the east by Park Lane beyond which lie residential dwellings and park homes; to the south by Park Lane and farmland; and to the west by A327 Reading Road and Sheerlands Road beyond which lie farmland and woodland. The wider area is dominated by agricultural land interspersed with woodland and residential properties.

- 1.1.4 Further information on the extent and composition of habitats across the Parcel 13 site and the wider site is provided in *Appendix A*.

1.2 Background and legislative context

- 1.2.1 Four species of reptile are widespread in England: Grass Snake *Natrix natrix*, Slow-worm *Anguis fragilis*, Common Lizard *Zootoca vivipara*, and Adder *Vipera berus*. The Sand Lizard *Lacerta agilis* and Smooth Snake *Coronella austriaca* are restricted to certain sand dune and heathland sites.

- 1.2.2 Reptiles can be found in a range of habitats and typically require a mosaic of vegetation types. Habitat interfaces are important, with reptiles requiring woodland, scrub or hedgerow for shelter, longer vegetation for hunting and patches of sheltered short turf, bare ground or log piles for basking areas. Areas that catch the sun (i.e. those with a southerly aspect) are preferred over those where direct sunlight is absent for most of the day. In addition, Grass Snakes favour damp habitats such as those associated with still and running water, grazing marshes, mires etc.

- 1.2.3 All species of reptile are protected through Sections 9(1) and 9(5) of the 1981 Wildlife and Countryside Act (as amended). It is an offence to:

- Intentionally kill or injure any reptile; and/or
- Sell, offer for sale, possess or transport for the purposes of sale or publish advertisements to buy or sell any reptile.

Due to their rarity, Sand Lizards and Smooth Snakes have additional protection.

- 1.2.4 Reptiles across the UK have undergone significant declines in recent years and all species of reptile within the UK are listed as priority species on the UKBAP and listed as Species of Principal Importance under Section 41 of the 2006 Natural Environment and Rural Communities (NERC) Act. Section 40 of the Act requires that these species are a material consideration in the planning process.

1.3 Development proposals

- 1.3.1 Planning permission (O/2014/2179 and 140764) was granted in January 2017 for a hybrid application. This comprises:

- Outline permission for demolition of all existing buildings on site; up to 1,500 new dwellings; employment floor space; a Neighbourhood Centre; a primary school; sports pitches and associated pavilion building; highways infrastructure; associated landscaping, public realm, open/green space and sustainable urban drainage systems; and
- Full permission for a 29.7ha Suitable Alternative Natural Greenspace (SANG) in the south of the site.

The hybrid planning permission was subsequently amended by a Section 73 application (181194) which was approved in November 2018. Subsequently, in April 2023 a Non-Material Amendment (NMA) application was submitted to WBC to vary the parameter plans approved as part of the Section 73 application (ref:181194).

1.4 Scope and purpose of the report

- 1.4.1 Reptile surveys of the site and wider site were conducted by HDA in 2017 (HDA, 2018), 2021 (HDA, 2021) and 2023 (HDA, 2024). During the 2023 surveys no reptiles were recorded within the site or wider site. However, during the 2021 survey, a low number of Slow-worm were recorded within the site and wider site and the presence of Grass Snake was identified within the wider site in 2017 and 2021. These update previous surveys of the site and wider site undertaken by Entec in 2008 and Amec in 2012 which identified 'low' populations of Common Lizard, Slow-worm and Grass Snake (Royal Haskoning DHV, 2014). Reptiles recorded within the Parcel 13 site during the 2021 reptile survey was limited to one Slow-worm located along the hedgerow boundary on the eastern edge of Parcel 13.

- 1.4.2 This Detailed Reptile Mitigation Strategy for Parcel 13 of the proposed development has been produced as a result of Planning Condition 26, which states:

"Prior to submission of any Reserved Matters applications other than pertaining to the Nine Mile Ride Extension South an outline reptile mitigation strategy shall be submitted to and approved in writing by the local planning authority. All sub phases of the development shall thereafter be designed to incorporate the requirements identified in the approved outline reptile mitigation strategy. All Reserved Matters applications for any sub

phase of the development shall include a detailed reptile mitigation strategy that demonstrates how the relevant sub phases have been designed to incorporate the provisions of the outline reptile mitigation strategy and the detailed mitigation strategies shall be implemented in accordance with the approved details unless otherwise approved in writing by the local planning authority.”

- 1.4.3 In recognition of the historic presence of reptiles within the Parcel 13 site and the wider site and the requirements of Condition 26, this document provides a Detailed Reptile Mitigation Strategy for Parcel 13 that has been produced to ensure impact avoidance, minimisation and mitigation measures for reptiles are implemented within the Parcel 13 scheme. The measures identified are in keeping with the ‘2023 Reptile Survey and a Site-Wide Outline Reptile Mitigation Strategy’ prepared for the wider site and Parcel 13 site in its entirety (HDA, 2024).

2 PARCEL 13 DETAILED REPTILE MITIGATION STRATEGY

2.1 Introduction

- 2.1.1 This section describes the methodology that will be employed to ensure that the Parcel 13 development scheme complements the Site-wide Outline Reptile Mitigation Strategy (HDA, 2024) to maintain compliance with nature conservation legislation afforded to reptiles and maintain the favourable conservation status of the local reptile population. This methodology will be employed during construction of the Parcel 13 development unless otherwise agreed with the Local Planning Authority.
- 2.1.2 Although no reptiles were recorded at the site during the updated 2023 reptile survey, previously low numbers of Slow-worm, Grass Snake and Common Lizard have been recorded within the site and wider site. In 2022, the majority of Parcel 13 site comprised a works compound (see *Figure 1* above) supporting predominantly negligible habitats for reptiles. Further to this, the works compound was associated with the construction of the NMRE road which now borders the Parcel 13 site to the south and north-west reducing connectivity for reptiles into Parcel 13 from the wider site. However, in view of the continued presence of a hedgerow along the eastern site boundary it is conceivable that individual / very low numbers of Slow-worm, Grass Snake and Common Lizard may remain present at the site. The site is therefore considered to support at most very low numbers of Slow-worm, Grass Snake and Common Lizard and as such does not qualify as a SSSI, SINC or Key Reptile Site. The site is considered to be of no more than site value for Slow-worm, Grass Snake and Common Lizard. Notwithstanding this, the legal protection afforded to all reptiles still applies.
- 2.1.3 In accordance with the Site-wide Outline Reptile Mitigation Strategy (HDA, 2024), as only individual / very low numbers of Grass Snake, Slow-worm and Common Lizard are likely

to be associated with the Parcel 13 site and the majority of suitable reptile habitat will be retained (including the hedgerow along the eastern site boundary), a full translocation exercise is not proposed for this phase of the development. Instead, a cautious approach to site clearance will be employed where suitable reptile habitat is to be lost, including areas of scattered ruderal vegetation and refuge opportunities such as rubble piles located around the site boundaries. This will involve manipulation of habitats to displace reptiles present into areas of contiguous and improved habitats, following the stages set out below:

2.2 Stage 1: Habitat enhancement works

2.2.1 In accordance with the outline reptile mitigation strategy for the Parcel 13 development area and wider site (HDA, 2024), the creation/enhancement of reptile receptor habitat focuses on the SANG which has been constructed and supports areas of grassland bordered by hedgerows and areas of woodland. Limited further areas of suitable reptile habitat will however be created in other areas of public open space within the Parcel 13 site. The prescriptions for creation/enhancement of reptile habitats within the Parcel 13 site and the management of these areas are detailed within the Parcel 13 Landscape and Ecological Management Plan (HDA, 2025) and shown on the SANG Masterplan (RPS, 2018a) and Overarching Landscape Strategy (RPS, 2018b). Those relevant to the Parcel 13 development area are summarised below.

2.2.2 The Parcel 13 development area is currently dominated by ruderal vegetation and hardstanding (previously a site compound) which provided limited opportunities for reptiles. In addition, limited areas of ruderal habitats will be lost from the Parcel 13 site. In addition to the substantial reptile habitat creation works within the SANG and other areas of informal open space, the following measures within the Parcel 13 site are proposed to maintain opportunities for reptiles within this area of the site:

2.2.3 *Meadow grassland*

Areas of meadow grassland with a species-rich native sward will be established along the northern site boundary associated with the retained treeline. Prescriptions of benefit to reptiles include:

- A 1m to 8m wide strip of meadow grassland immediately adjacent to the northern site boundary treeline, will be managed through cutting twice per year. Of which, on rotation selected areas (10%) will be left during each mowing period in order to provide additional refuge habitat for reptiles, small mammals and invertebrates, and to encourage a more diverse flora; and
- Some of the grass cuttings will be used to create 'habitat piles' which will provide further opportunities for egg laying Grass Snakes.

2.2.4 *Hedgerows and scrub*

- Retained scrub in the south-eastern corner of the site will be strengthened through complementary hedgerow and scrub planting. New native species-rich hedgerows will be planted bordering the public open space along the northern and western site boundaries.
- An ecotone from the retained treeline to proposed scrub to meadow grassland (discussed above) is proposed in association with the retained treeline along the northern site boundary. Once established selected areas of scrub will be coppiced on a short rotation of approximately 5 years in order to prevent succession into woodland. No more than 20% of the scrub will be coppiced in any one year. Arisings from the management would be used to create and maintain habitat piles (see below). Excess cuttings would be removed from site.

2.2.5 *Hibernacula and Refugia*

One hibernaculum will be constructed within the area of scrub in the south-eastern corner of the site to provide refuge and hibernation opportunities for reptiles. Construction measures will include:

- The hibernacula will have a minimum area of 200cm x 250cm.
- The hibernacula will be constructed on elevated ground to prevent flooding, with a thin layer of gravel along the base to aid drainage.
- A pit will be excavated and filled with rocks, logs, dead wood and other suitable rubble to an above ground height of 50-100cm.
- The mound will be capped with a layer of topsoil, turf or moss at a thickness of 5-10cm.
- The addition of a geotextile membrane beneath the capping layer may be used to prevent soil or other loose material from collapsing into the void below.
- Gaps will be left in the capping material at ground level to allow reptile access.

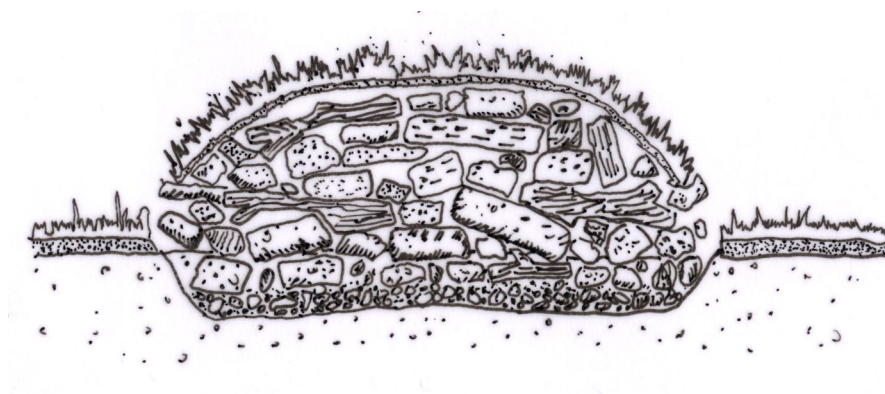


Figure 1: Example cross-section through hibernaculum

- In addition, a minimum of 1 log and brash pile will be created using arisings from construction clearance works. These will be maintained by adding the arisings from ongoing site maintenance, and piles of grass clippings from the mowing regime will provide further opportunities for egg laying Grass Snakes. The locations of the proposed hibernacula and log and brash pile are shown in *Appendix B*.

2.2.6 *Connectivity*

The development proposals have been designed to maintain a network of habitats suitable for the movement of wildlife, including reptiles, around the Parcel 13 development site (albeit connectivity is limited beyond the site due to the presence of the surrounding road network). As indicated in the *Parcel 13 – Combined Hard and Soft Landscape Plans* (Finc, 2025) this includes the maintenance/planting of corridors of semi-natural habitat along the northern and western Parcel 13 site boundaries. No new crossing points across existing treelines are proposed and where appropriate measures such as off-set gully pots and dropped kerbs will be provided to maximise connectivity and reduce risk of mortality.

2.2.7 *Timing of habitat creation and enhancement works*

Due to the very limited extent of suitable reptile habitat affected by the Parcel 13 development works and the very low number of reptiles expected to be present, it is not considered necessary that habitat creation and enhancement works within the Parcel 13 site are implemented prior to Stage 2 habitat manipulations works being commenced. Notwithstanding this, habitat enhancement works associated with the Parcel 13 development should be undertaken as early as possible within the development programme. In addition, the habitat creation works within the SANG have already been carried out.

2.3 **Stage 2: Habitat manipulation**

2.3.1 Prior to development affecting areas of suitable reptile habitat within the Parcel 13 site, the following habitat manipulation measures will be undertaken under an ecological watching brief by a suitably experienced ecologist, in order to encourage the movement of reptiles from the Parcel 13 site into suitable habitats in the surrounding area.

- Firstly, vegetation cover will be reduced to minimum height of 150mm. This will take place at a time of year avoiding the bird breeding season (typically between March and September inclusive) or otherwise be preceded by a check of suitable habitat for active nests immediately prior to commencement of works by a suitably qualified ecologist or appropriate other.

- Where potential for reptiles to be present remains, a minimum period of 5 days with daytime temperatures of >12°C will then be allowed to elapse prior to the second stage of vegetation clearance (see below).
- The second stage will involve clearance of all suitable vegetation to ground level (i.e. <75mm) by hand during mild temperatures (>14°C) at a suitable time of year when reptiles are likely to be active (mid-March to early October inclusive). At this time any potential hibernacula or refugia encountered will be carefully dismantled by hand. This stage of clearance will be undertaken under the supervision of a suitably qualified ecologist who will capture and relocate any reptiles encountered to areas of retained habitat on the margins of the Parcel 13 site or pre-established refugia in the wider site.
- Where potential for reptiles to be present remains, a further 5 days with daytime temperatures of >12°C will then be allowed to elapse to enable any remaining reptiles to disperse from the area of works, prior to the destructive search.
- Following clearance of vegetation to ground level and removal of any refugia by hand, no suitable reptile habitat would remain and it is expected that any remaining reptiles would disperse from the area of works into adjacent habitat on their own accord.
- In order to be certain that no reptiles are present within the area of works, topsoil will then be progressively stripped from the area of works under the supervision of a suitably qualified ecologist, if required.
- In the event that the destructive search is delayed, the vegetation will be maintained at ground level until the destructive search is carried out. Similarly, following the destructive search, the land will be maintained as unsuitable for the recolonisation of reptiles prior to and throughout the proposed works.

3 MANAGEMENT AND MONITORING

- 3.1 The ongoing maintenance of the areas of public open space, including retained and newly created reptile habitat, are detailed within the Detailed Landscape and Ecological Management Plan (LEMP) (HDA, 2025). The LEMP will be implemented to ensure the long-term integrity of the newly created and enhanced areas of habitat for reptiles in the long-term, and includes monitoring to ensure the successful establishment and continuity of habitat for reptiles described in *Section 2.2* above.

4 CONCLUSION

- 4.1 Through implementation of the mitigation measures outlined above, the Parcel 13 development would avoid injury or killing of any reptiles present. Although the loss of limited areas of reptile habitat is highly unlikely to be significant within a local context, the described measures for the creation and enhancement of new areas of reptile habitat contiguous with the proposed development area would ensure long-term opportunities for

reptiles within this area of the wider Hogwood Farm site. Through the implementation of these measures it would be expected that current reptile interest of the site could be maintained and increased.

- 4.2 It is therefore concluded that subject to employment of the approach outlined above in line with the Site-wide Outline Reptile Mitigation Strategy (HDA, 2024), the development would protect individual reptiles currently occurring within the Parcel 13 site and ensure that the favourable conservation status of the local reptile population is maintained.

5 REFERENCES

Beebee T. and Griffiths R. (2000) *Amphibians and Reptiles*. HarperCollins Publishers Ltd, London.

Finc (2025) *Finchwood Park, Parcel 11, 12 & 13: Parcel 13 – Combined Hard and Soft Landscape Plan (Sheet 1 of 2)*. FINC Architects Ltd, Essex.

Finc (2025) *Finchwood Park, Parcel 11, 12 & 13: Parcel 13 – Combined Hard and Soft Landscape Plan (Sheet 2 of 2)*. FINC Architects Ltd, Essex.

Froglife (1999) *Reptile survey. An introduction to planning, conducting and interpreting surveys for snake and lizard conservation*. Froglife Advice Sheet 10. Froglife, Halesworth.

HDA (2018) *Hogwood Farm, Finchampstead: Reptile Survey Results and Site-Wide Outline Reptile Mitigation Strategy*. Hankinson Duckett Associates, Wallingford.

HDA (2021) *Hogwood Farm, Finchampstead: 2021 Reptile Survey Report and Site-Wide Outline Reptile Mitigation Strategy*. Hankinson Duckett Associates, Wallingford.

HDA (2024) *Hogwood Farm, Finchampstead: Reptile Survey Results and Site-Wide Outline Reptile Mitigation Strategy*. Hankinson Duckett Associates, Wallingford.

HDA (2025) *Hogwood Farm, Finchampstead: Parcel 13 Landscape and Ecological Management Plan*. Hankinson Duckett Associates, Wallingford.

Joint Nature Conservation Committee (Gent, T & Gibson, S. Eds) (1998) *The Herpetofauna Worker's Manual*. JNCC, Peterborough

Joint Nature Conservancy Committee (1989) *Guidelines for Selection of Biological SSSIs*. JNCC, Peterborough.

Royal Haskoning (2014) Chapter 7: Biodiversity, Flora and Fauna, In: *Hogwood Farm Environmental Statement Non-Technical Summary*. pp.79-103.

HDA Document Control and Quality Assurance Record

Project Title: Arborfield Vistry
Project Reference: 442.2
Document Title: Detailed Reptile Mitigation Strategy – Parcel 13
Commissioning Party: Vistry Thames Valley

Issue	Description	Date of Issue
1	Detailed Reptile Mitigation Strategy – Parcel 13	March 2025
Rev A	Detailed Reptile Mitigation Strategy – Parcel 13	April 2025

	Personnel	Position
Author	Clare Bird MCIEEM	Associate Ecologist
Approved for issue	Sarah Thornton-Mills MCIEEM	Principal Ecologist

© Hankinson Duckett Associates. All rights reserved

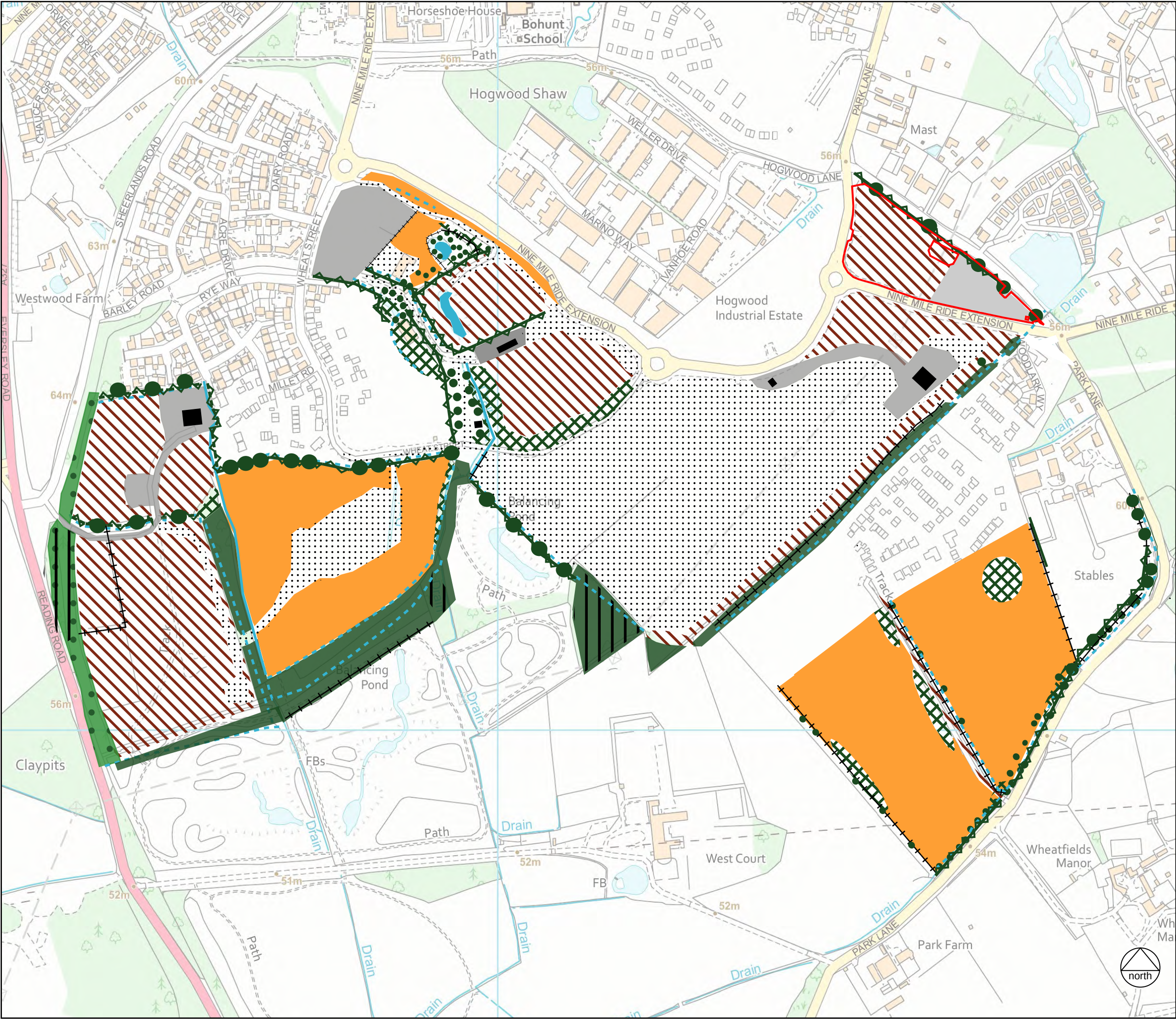
No part of this report may be copied or reproduced by any means without prior written permission from Hankinson Duckett Associates. If you have received this report in error, please destroy all copies in your possession or control and notify Hankinson Duckett Associates.

This report has been prepared for the exclusive use of the commissioning party and unless otherwise agreed in writing by Hankinson Duckett Associates no other party may use, make use of or rely on the contents of the report. No liability is accepted by Hankinson Duckett Associates for any use of this report, other than for the purposes for which it was originally prepared and provided.

Opinions and information provided in the report are on the basis of Hankinson Duckett Associates using due skill, care and diligence in the preparation of the same and no explicit warranty is provided as to their accuracy. It should be noted and it is expressly stated that no independent verification of any of the documents or information supplied to Hankinson Duckett Associates has been made.

APPENDIX A

Phase 1 Habitat Survey Plan (showing Parcel 13 development area and wider site)



KEY

- Parcel 13 boundary
- Lowland mixed deciduous woodland - (w1f)
- Other woodland - mixed - mainly broadleaved (w1h5)
- Ancient Woodland
- Scattered trees
- Native hedgerow - (h2a)
- Native hedgerow with trees - (h2a - 11)
- Non-native and ornamental hedgerow - (h3b)
- Mixed scrub - (h3h)
- Ruderal - (81)
- Developed land - sealed surface - (u1b)
- Modified grassland - (g4)
- Standing open water - (r1)
- Wet ditch / Dry ditch - (50)
- Bare ground - (510)
- Buildings
- Fence

CLIENT:
Vistry Thames Valley

PROJECT:
Hogwood Farm, Finchampstead

TITLE:
Parcel 13 - Phase 1 Habitat Survey Plan

SCALE AT A3: NTS DATE: March 2025

442.2 / 01

Based on Ordnance Survey mapping with permission of Her Majesty's Stationery Office
Licence no. AR187372

© **hankinson duckett** associates
The Stables, Howbery Park, Benson Lane, Wallingford, OX10 8BA
t 01491 838175 e consult@hda-enviro.co.uk w www.hda-enviro.co.uk

**Landscape Architecture
Masterplanning
Ecology**

hda

APPENDIX B

Parcel 13 – Biodiversity Mitigation and Enhancement Plan

