Habitat Management and Monitoring Plan

For use with

Small Sites Metric

(Statutory Biodiversity Metric)

Site Name:	Land at Main Road, Lower Hartshay, Ripley
Date:	31/03/2026
Version:	1.1
Small Sites Criteria Met	The site fulfils the criteria for use of the Small Sites Metric (Statutory Biodiversity Metric) calculation tool. Yes ☒ No ☐ If 'No' use the Main HMMP Template for the full statutory biodiversity metric instead of this one.

Author: Ian Hartshorne

Client: Ian Hartshorne

Template Document User Guide

Context – The Small Sites Metric

The Small Sites Metric Habitat Management and Monitoring Plan Template (SSM HMMPT) is designed to complement The Small Sites Metric (Statutory Biodiversity Metric) (SSM) calculation tool. It follows the same criteria as the SSM.

The SSM calculation tool can only be applied to 'small sites' as defined in **The Small Sites Metric (Statutory Biodiversity Metric) User Guide**.

This means:

- residential development where the number of dwellings is between 1 and 9 on a site of an area 1 hectare or less, or if the number of dwellings is unknown, the site area is less than 0.5 hectares, or
- commercial development where floor space created is less than 1,000 square metres or total site area is less than 1 hectare, or
- development that is not the winning and working of minerals or the use of land for mineral-working deposits, or
- development that is not waste development

It is not possible to use the SSM, and SSM HMMPT, on all sites defined as 'small sites'. The following criteria also need to be met to use the SSM:

- where only the habitats available in the SSM are present on-site
- where no priority habitats are present on-site (except some hedgerows and arable field margins that are medium distinctiveness)
- where no statutory protected sites or habitats are present
- where no European protected species are present

Supporting documents

SSM HMMPT Habitat Guide

Tools and Guidance

GOV.UK Statutory biodiversity metric (small sites) tools and guides

GOV.UK Government Collections Biodiversity Net Gain (BNG)-Guidance

Template User Guide

This template provides a series of tables, figures and text boxes. Complete these to show how you'll create, enhance, manage, and monitor the biodiversity net gain (BNG) habitats.

Small Sites HMMPT Habitat Guide

The accompanying **Habitat Guide** provides descriptions of proposed habitat types and conditions allowed in the Small Sites Metric (SSM). These are to assist authors in preparing the habitat creation, enhancement, management and monitoring activities and instructions (the 'prescriptions') in sections 3 (SM-T02) and 4 (SM-T04), to achieve the required BNG outcomes. The guide includes target habitat descriptions for a range of typical habitats that can be assessed through the SSM calculation tool. The descriptions illustrate what target habitats should look like in line with the range of conditions possible in the SSM.

Use the guide to help you prepare your plan to achieve the outcomes needed for the habitat(s) selected in your metric calculation. Factor the site-specific conditions of your site into the design. Refer to reputable sources and competent professionals to inform the creation and management methods most suitable to deliver the specific habitat outcomes targeted.

Formatting

The Template uses standard Microsoft Word formatting that has not been locked for editing. Adjust it, as required, to tailor your HMMP for the specific site and according to your preferences. You can increase or reduce the text box sizes, or increase or reduce the size of images, to fit the requirements of your plan.

You can provide and reference additional photographs and plans as separate appendices if required. Provide the reference number of the appropriate appendix. If necessary to include in a separate report, reference the location using the appropriate box within the template. Provide at least one photograph for each relevant area habitat, hedgerow or watercourse feature.

Text in grey is provided as a prompt. Replace grey text with your own words. Remember to change to black text then delete any remaining grey 'prompt' text.

Each text box in this HMMPT has a unique ID to assist reviewers. Do not change the reference code of any Boxes or Tables.

Template published by Natural England. We acknowledge the significant input from the HMMPT user-testers and production on Natural England's behalf by FPCR Environment and Design Ltd.

Checklist of Contents SM-T01

Please complete the table below to confirm the sections in this Template that have been completed.

Checklist of Contents Completed		Sections completed (please tick)
1.	Project Background	
1a	Project Information	☒
1b	Planning Condition	☒
1c	Roles and Responsibilities	☒
1d	Site Boundary Plan	☒
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1f	Site Photos	☒
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2.	Management Plan Aims and Objectives	
2a	Site Aims and Objectives	☒
2b	Retained and Enhanced Habitats Protection Measures	☒
2c	Habitat Management Proposals	☒
3.	Establishment and Management	
3a	Creation, Enhancement and Management Targets and Prescriptions	☒
4.	Monitoring	
4a	Monitoring Strategy for Each Habitat, Hedgerow and Watercourse Present On-Site	☒

Version Control SM-T02

Version control is used for updates to the content. Record the initial version and further version control details in this table each time the management plan is adapted throughout the management and monitoring period.

Version	Issue Status	Prepared by / Date	Approved by / Date
V1.0	Initial Submission	Ian Hartshorne / 31/03/2026	
V1.1	Revision 1	Ian Hartshorne 08/07/2026	

Document Details

Provide ownership, copyright and licensing information within this table.

Authorship Details SM-B01
Derbyshire Contracts LTD Unit 1 Sitwell Business Centre, Industrial Estate, Heage Rd, Ripley DE5 3GH 01773 473682 Ian@derbyshirecontractsltd.co.uk

1. Project Background

Summarise the key aspects of your management plan in this section. Tables can be extended to suit the specific needs of individual projects.

Project information SM-T01	
Project type	Residential
Development Name and Address	Land at 42 Main Road, Lower Hartshay, Ripley
Author	Ian Hartshorne
Landowner	Ian Hartshorne
Land Management Organisation	Derbyshire Contracts Ltd
Period covered by this management plan	30+ Years
Planning authority	Amber Valley Borough Council
Planning reference	AVA/2025/0869
Central OS grid reference	SK 433 503
Total Site Area	Approx. 650 m² (as per approved redline boundary)

Planning Condition

Details of Planning Conditions to be Discharged by this Document SM-B02

This Habitat Management and Monitoring Plan (HMMP) has been prepared to discharge Condition 11 of planning permission AVA/2025/0869.

The BGP has been prepared in accordance with the statutory requirements of the Environment Act 2021 and demonstrates how biodiversity net gain will be achieved and maintained.

Baseline ecological conditions have been established through a habitat survey and assessment, as detailed within the Biodiversity Net Gain Report prepared by Elton Ecology Ltd.

The site is characterised by modified grassland with boundary hedgerows, which have been assessed using the Statutory Biodiversity Metric.

The development proposals have been designed in accordance with the mitigation hierarchy, prioritising avoidance and minimisation of impacts where possible.

Existing boundary vegetation is retained where feasible, and biodiversity enhancements are incorporated within the design to maximise ecological benefits and deliver measurable biodiversity net gain.

Full biodiversity net gain calculations have been undertaken using the Statutory Biodiversity Metric and are provided as part of this submission.

The proposed habitat types, condition, and distinctiveness have been selected to reflect site conditions and maximise biodiversity value.

Biodiversity enhancements will be implemented through the enhancement of modified grassland to traditional orchard within the blue-line boundary. This area is outside the domestic curtilage of the dwelling and shall be treated as an off-site biodiversity enhancement area, managed separately from the private residential garden for the full 30-year management period.

The proposals also include the creation of a single native hedgerow measuring 0.027 km (27 m) and the retention and safeguarding of the northern parcel of lowland mixed deciduous woodland.

The habitat creation, enhancement, retention and monitoring measures set out within this Habitat Management and Monitoring Plan shall be delivered in accordance with the approved Statutory Biodiversity Metric.

The proposals deliver a biodiversity net gain of 22.78% for habitats and 42.73% for hedgerows, as confirmed within the Biodiversity Net Gain Report.

Detailed implementation, establishment, and long-term management measures are set out within the Habitat Management and Monitoring Plan (HMMP), which will be adhered to for a minimum period of 30 years.

Monitoring will be undertaken in accordance with the monitoring schedule contained within this Habitat Management and Monitoring Plan (Years 1, 2, 5, 10, 15, 20 and 30).

Monitoring and management requirements are detailed within the Habitat Management and Monitoring Plan and will be implemented over a minimum 30-year period

Biodiversity net gain is achieved through a combination of on-site habitat retention and enhancement together with habitat enhancement and hedgerow creation within the blue-line boundary under the applicant's control, in accordance with the approved Statutory Biodiversity Metric

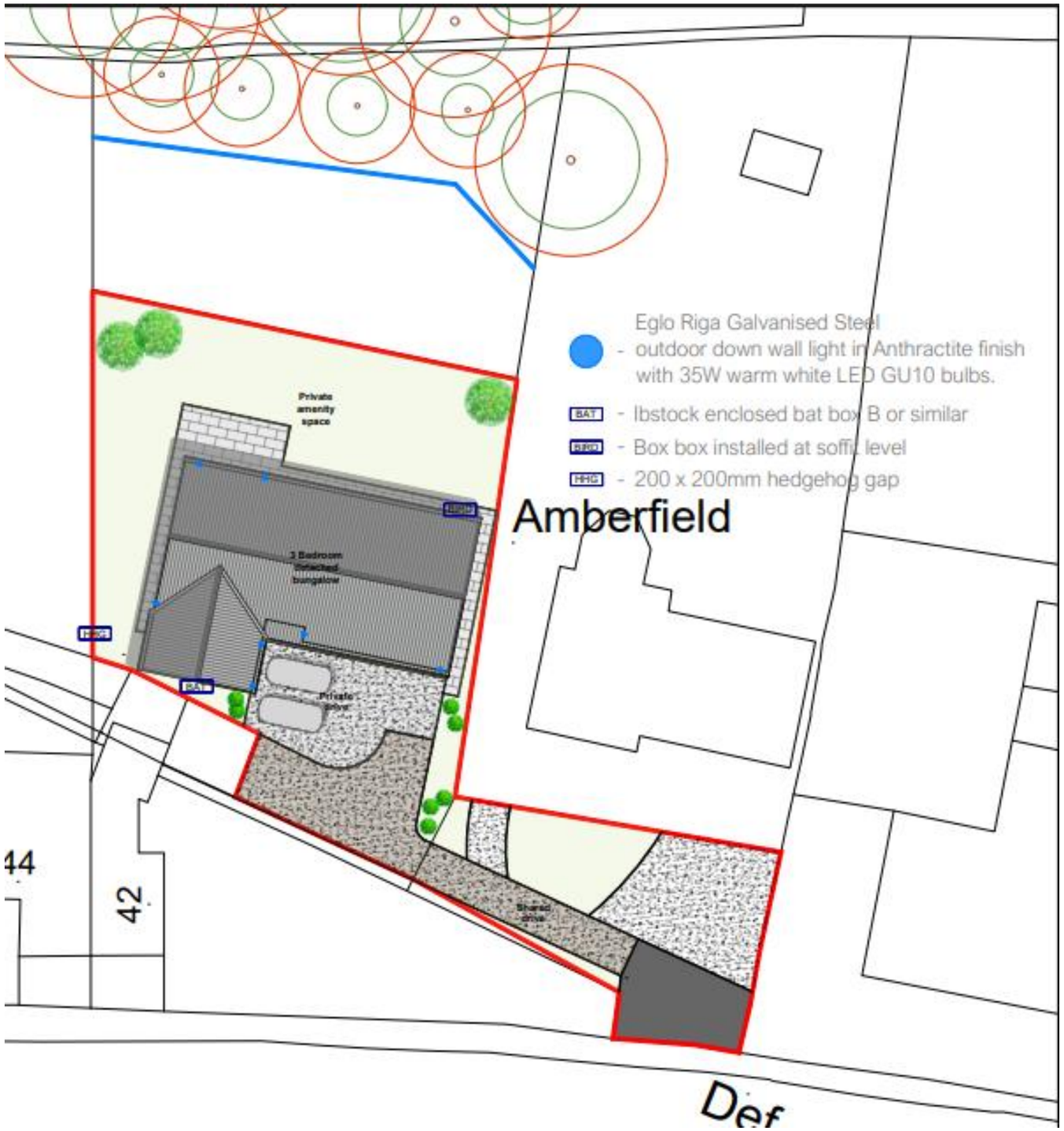
Roles and Responsibilities

Provide details of the responsible people and organisation(s) delivering this management plan and the legal and funding mechanisms in place to secure the habitat outcomes proposed.

Author Responsible for Preparing HMMP SM-B03			
Name or Initials / Role	Ian Hartshorne		
Organisation	Land Owner		
Responsibility Start Date	17/05/2026	End Date	17/05/2056
Statement of Competency			
The Habitat Management and Monitoring Plan has been prepared based on the findings of the Biodiversity Net Gain Report produced by a suitably qualified ecologist (Elton Ecology Ltd). The author has experience in construction project delivery and site management and will ensure that the ecological requirements set out within this plan are implemented in accordance with the approved documents.			

Landowner / Management Organisation Responsible for Delivering HMMP SM-B04			
Name or Initials / Role	Ian Hartshorne		
Organisation	Derbyshire Contracts LTD		
Responsibility Start Date	17/05/2026	End Date	17/05/2056
Statement of Competency			
The landowner and management organisation will be responsible for the long-term delivery and maintenance of the habitats in accordance with the Habitat Management and Monitoring Plan. Derbyshire Contracts Ltd has experience in construction and site management and will ensure that all habitat creation and management measures are implemented and maintained in accordance with best practice. Where required, specialist ecological advice will be sought to ensure that habitats are managed appropriately and biodiversity net gain targets are achieved over the 30-year management period.			

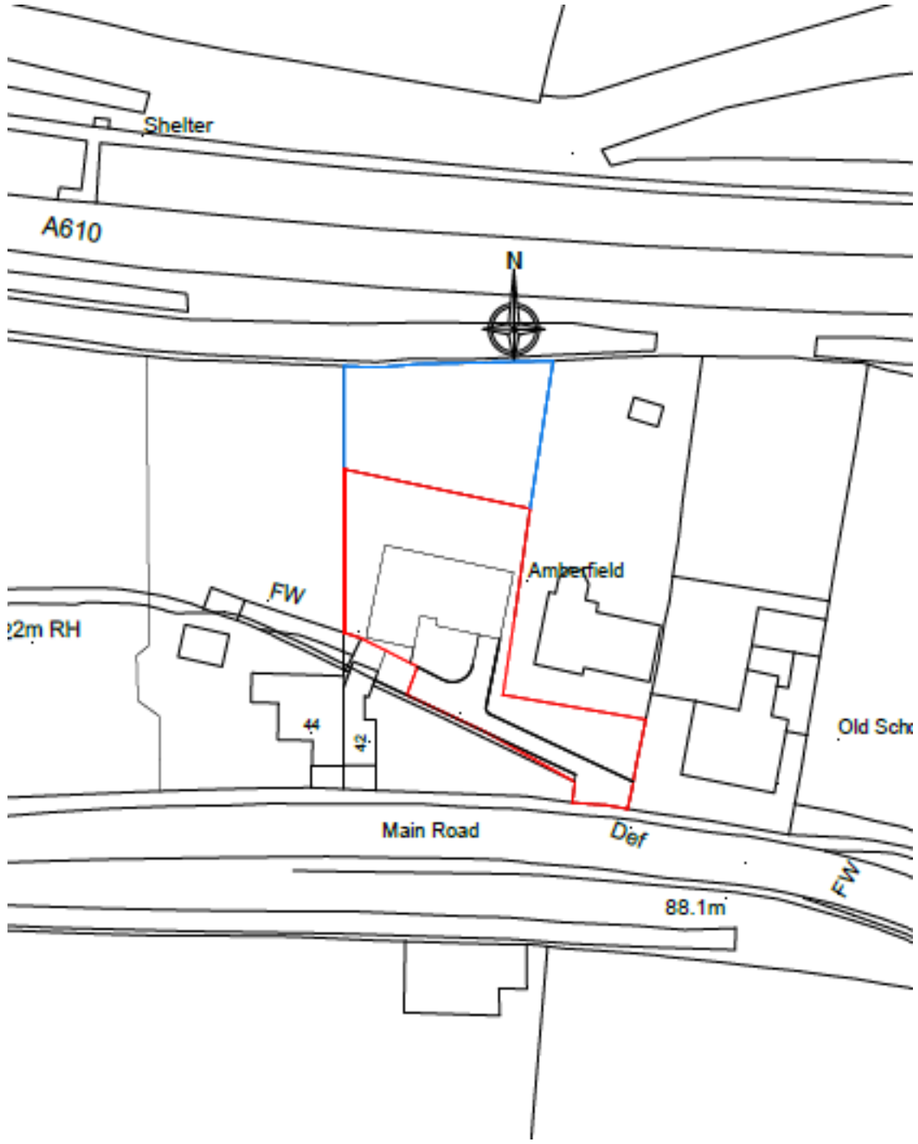
Site Boundary Plan SM-F01



Site Context Plan SM-F02

Show the location of the site in context with relevant geographical information, such as National or Local planning policies, that have informed Site and landscape design. These may include (but are not limited to) the National and Local Character Areas, Local Nature Recovery Networks and Biodiversity Opportunity Areas. As a minimum, this plan should illustrate any information that has informed the decision on assigning strategic significance. See the Small Sites Metric (Statutory Biodiversity Metric) User Guide for more information.





Land Use

Description of Site Use - Baseline SM-B05

The site currently comprises modified grassland which is maintained through occasional cutting and is not subject to any formal agricultural management.

There are no existing buildings on the site at present.

Boundary vegetation consists of native hedgerows and occasional trees, which are subject to periodic trimming.

The surrounding area is predominantly residential, comprising nearby dwellings and associated garden land.

These baseline habitats have been assessed within the Biodiversity Net Gain Report prepared by Elton Ecology Ltd.

Description of Site Use - Proposed SM-B06

The proposed development consists of the construction of a single residential bungalow with associated private residential garden space.

Biodiversity net gain will be delivered separately from the domestic garden through habitat enhancement within the blue-line boundary. The enhancement of modified grassland to traditional orchard is located outside the domestic curtilage and shall be managed as an off-site biodiversity enhancement area.

The scheme also includes the creation of a single native hedgerow measuring 0.027 km (27 m) and the retention and protection of the northern parcel of lowland mixed deciduous woodland.

The traditional orchard, native hedgerow and retained woodland shall be managed in accordance with this HMMP and shall not be incorporated into routine domestic garden management.

Site Photos SM-F03

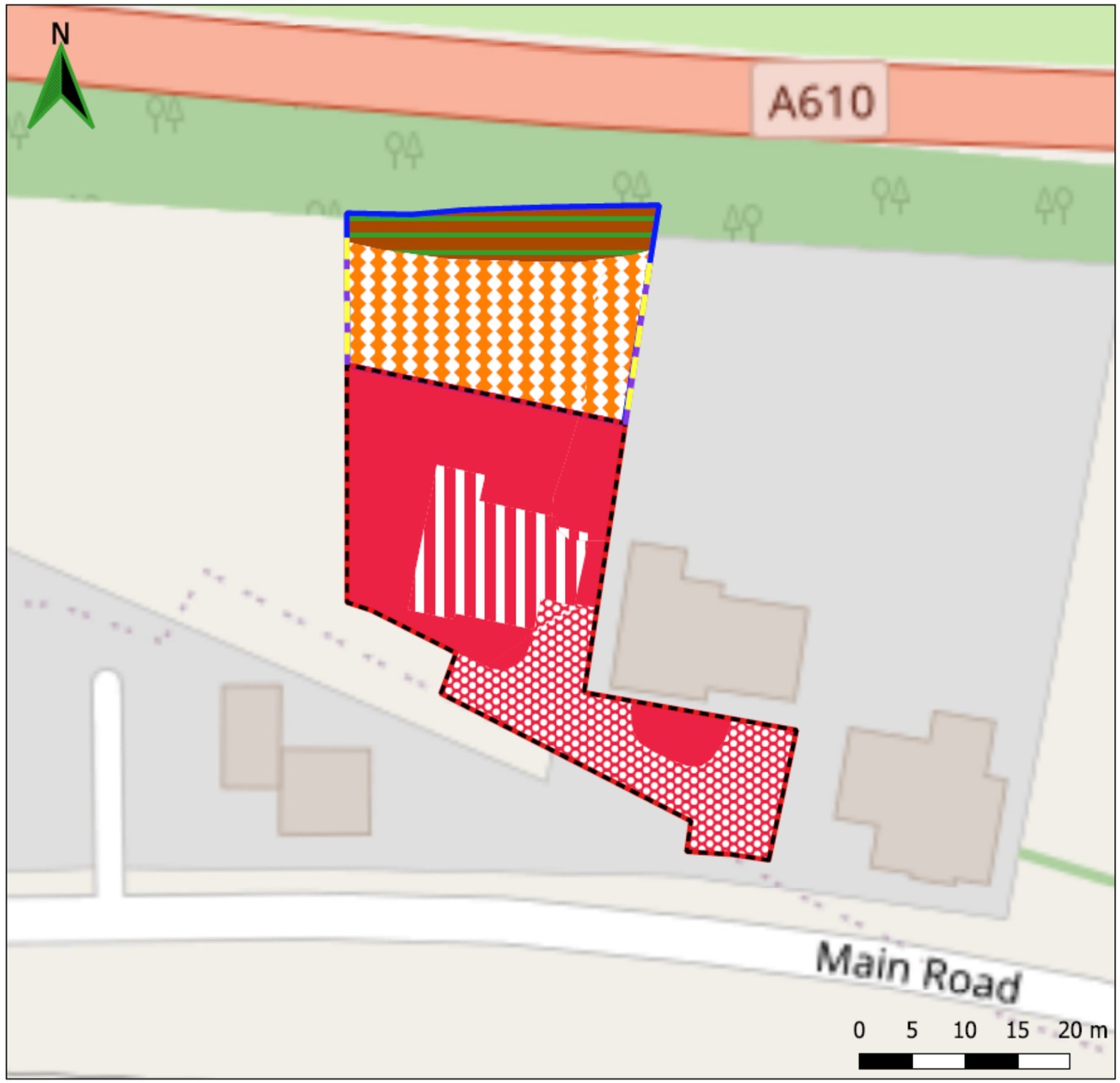
Please include two overview photographs of the site in its current form here. Include additional photographs in the appendix if needed. You can adjust the size of these to suit your management plan. Tick if additional photographs are provided in the Appendices ☒ Reference: Photo 002 (Top) Photo 003 (Bottom)





Site Proposals Plan SM-F04

As a minimum, show all the proposed habitats to be retained, created or enhanced.
The map could be on an aerial photo, or a sketch map showing mapped habitat polygons. Include parcel references if possible. It is also helpful to include a north arrow and scale.



Legend

- Red Line Boundary
- Blue Line Boundary
- Residential Curtilage
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Traditional orchards
- Vegetated garden
- Native hedgerow

Project:
Land to the rear of 42 Main Rd, Lower Hartshay, Ripley DE5 3RP
Drawing:
Figure 5: Proposed Habitat Plan
Date: 29-07-2026 Version: FINAL
Author: PMH Job No: P2705

Elton Ecology

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2. Management Plan Aims and Objectives

Overview of Proposed Habitat Aims and Objectives SM-B07

The proposed development comprises the construction of a single residential bungalow with associated private garden space. Biodiversity net gain shall be delivered through separate habitat enhancement and management measures within the blue-line boundary, outside the domestic curtilage.

The primary objective is to enhance modified grassland to traditional orchard habitat, create a single native hedgerow measuring 0.027 km (27 m), and retain and safeguard the northern parcel of lowland mixed deciduous woodland.

The off-site biodiversity enhancement area shall remain permanently outside the residential curtilage and shall not be incorporated into the domestic garden at any point during the 30-year management period.

The native hedgerow shall be established and maintained to provide ecological connectivity, shelter, foraging habitat and landscape structure.

The retained lowland mixed deciduous woodland shall be protected from damage, encroachment and disturbance throughout the 30-year management period.

The target conditions for all habitats shall align with the approved Statutory Biodiversity Metric and will be monitored at Years 1, 2, 5, 10, 15, 20 and 30.

Retained and Enhanced Habitats Protection Measures SM-B08

Retained and enhanced habitats shall be protected throughout construction and the long-term management period. This includes the traditional orchard enhancement area, the proposed native hedgerow and the northern parcel of lowland mixed deciduous woodland.

The traditional orchard enhancement area is located within the blue-line boundary outside the domestic curtilage and shall be managed separately from the private residential garden. No domestic garden structures, storage, patios, sheds, play equipment or other residential encroachment shall be permitted within this area.

Construction activities shall be restricted to the defined development footprint. No materials, machinery, spoil, waste, fuel, chemicals or construction equipment shall be stored within the orchard enhancement area, hedgerow planting area or retained woodland.

The northern parcel of lowland mixed deciduous woodland shall be safeguarded using suitable protective fencing where required. No excavation, level changes, root disturbance, storage or vehicle movements shall take place within the retained woodland area.

Access for habitat management shall be controlled and limited to what is reasonably required to establish, maintain and monitor the hedgerow and woodland habitats.

The off-site biodiversity enhancement area shall be permanently identified on the approved plans and managed separately from the residential garden. No domestic structures, sheds, greenhouses, patios, play equipment, fencing alterations, storage or garden extensions shall be permitted within the biodiversity enhancement area.

A permanent maintenance route shall be retained to enable inspection and management of the orchard, native hedgerow and retained woodland throughout the 30-year management period.

Summary of Adaptive Management Approaches SM-B09

Habitats within the site, including the orchard, grassland, and boundary vegetation, will be subject to periodic review to ensure successful establishment and ongoing good condition.

Where monitoring identifies issues such as tree failure, poor establishment, or habitat decline, adaptive management measures will be implemented.

These may include replacement planting, adjustments to mowing regimes, additional maintenance, or removal of invasive or undesirable species.

This adaptive approach ensures that habitats remain functional, resilient, and capable of delivering biodiversity benefits over the 30-year management period.

Habitat Management Proposals

Habitat Baseline Description SM-B10

The site comprises gently sloping modified grassland forming the primary habitat.

The site boundary is defined by a mix of native trees and hedgerows, including species such as ash and willow, providing structural diversity and ecological value.

The soil is well-drained with no evidence of standing water.

The grassland is dominated by common grasses and herbaceous species.

No significant invasive species were observed at the time of survey.

Retained Habitats SM-B11

The northern parcel of lowland mixed deciduous woodland shall be retained and safeguarded throughout the construction and 30-year management period. The woodland shall be protected from damage, encroachment, storage of materials, excavation and vehicle movements. Existing boundary vegetation shall also be retained where feasible to maintain ecological structure and connectivity.

Enhanced Habitats SM-B12

Habitat enhancement shall be achieved through the enhancement of modified grassland to traditional orchard within the blue-line boundary outside the domestic curtilage. This area shall be managed separately from the private residential garden.

The native hedgerow measuring 0.027 km (27 m) shall be created and managed to improve ecological connectivity and habitat value.

The retained lowland mixed deciduous woodland shall be protected and managed to maintain its ecological value.

Created Habitats SM-B13

Created habitats shall include a single native hedgerow measuring 0.027 km (27 m). The hedgerow shall be planted using appropriate native species and maintained to provide long-term ecological connectivity, shelter and foraging habitat.

The traditional orchard shall be delivered as an enhanced habitat within the blue-line boundary outside the domestic curtilage and shall be managed separately from the residential garden.

3. Creation, Enhancement and Management

Creation, Enhancement and Management Targets and Prescriptions SM-T02

Complete the planned prescriptions for each area habitat, hedgerows and watercourse proposed on-site in the table below to confirm how created and enhanced habitats will be established and managed. Include details on how retained habitats will be managed. At a minimum, list each area habitat, hedgerow or watercourse entered into the Small Sites Metric (Statutory Biodiversity Metric) calculation tool in the 'Habitat/Feature Type' column in the table below (SM-T02) and provide specific creation or enhancement and management prescriptions. If preferred, provide multiple rows for the same habitat/feature type where different prescriptions are to be used in different parcels/features, hedgerows or watercourse. Refer to the SSM HMMPT **Habitat Guide** for additional guidance on target habitat types and conditions to guide your prescriptions. If appending any additional documents that contain prescriptions or work schedules, please tick here and provide a reference: ☐ Reference: Click or tap here to enter text.

Habitat/Feature Type	Target Condition	Parcel/ Feature Ref	Habitat Creation or Enhancement and Management Prescriptions
Traditional Orchard	Poor Condition Traditional Orchard, in accordance with approved Statutory Biodiversity Metric	Off-site enhancement area within blue-line boundary	Modified grassland within the blue-line boundary shall be enhanced to traditional orchard habitat outside the domestic curtilage. The orchard shall be managed separately from the private residential garden for the full 30-year management period. Fruit trees such as apple, pear and plum shall be planted during the dormant season between November and March at suitable spacing in accordance with the approved metric and ecological recommendations. Trees shall be supported with stakes, ties and guards where required. Grassland beneath the orchard shall be managed through relaxed mowing, generally two to three cuts per year, with arisings removed where practicable. Weed control, watering, mulching and formative pruning shall be undertaken during establishment. Failed trees shall be replaced during the next available planting season. Access to the orchard shall be maintained via the existing field entrance and permanent grass maintenance route. Routine management shall be undertaken on foot or using lightweight maintenance equipment. Vehicular access shall only be permitted where necessary for management operations and shall avoid unnecessary soil compaction or damage to the habitat.
Native Hedgerow	Poor Condition Native Hedgerow, in accordance with	Single native hedgerow,	A single native hedgerow measuring 0.027 km (27 m) shall be created using appropriate native species. Planting shall be undertaken during the dormant season between November and March. New hedgerow plants shall be protected from damage during establishment. Weed competition shall be controlled around the base of plants and watering shall be undertaken during dry periods where required.

	approved Statutory Biodiversity Metric	0.027 km (27 m)	Failed plants shall be replaced during the next available planting season, particularly during the first five years of establishment. Hedge cutting shall be avoided during the bird nesting season, generally March to August inclusive, unless checked by a suitably competent person. Once established, the hedgerow shall be managed on a rotational cutting regime to encourage dense structure, flowering and berry production. A continuous maintenance corridor shall be retained alongside the hedgerow to enable inspection, replacement planting, weed control and rotational hedge cutting throughout the management period.
Lowland Mixed Deciduous Woodland	Retained Moderate Condition Lowland Mixed Deciduous Woodland, in accordance with approved Statutory Biodiversity Metric	Northern parcel of woodland	The northern parcel of lowland mixed deciduous woodland shall be retained and safeguarded throughout the construction and 30-year management period. No excavation, storage of materials, waste, spoil, machinery, fuel or chemicals shall be permitted within the retained woodland area. Protective fencing shall be installed where required to prevent accidental damage during construction. The woodland shall be inspected during monitoring visits for signs of damage, disease, invasive species, unauthorised access or encroachment. Deadwood shall be retained where safe to do so to provide habitat value. Any damage or decline identified during monitoring shall be reviewed and appropriate remedial measures implemented. Access to the retained woodland shall be limited to ecological inspection and essential management only. No public access, storage or construction activities shall be permitted within the retained woodland parcel.

Risk Register and Proposed Remedial Measures SM-T03

Complete the risk register by identifying likely risks that could impede the successful delivery of target habitats, hedgerows or watercourses. List all risks that could reasonably be anticipated. This should not be an exhaustive list as it will not be possible to anticipate all potential risks.

Risk Factor	Habitat/Hedgerow/Watercourse Type	Trigger for Action	Remedial Measure
Residential encroachment into orchard enhancement area	Traditional Orchard	Domestic use, storage, fencing changes or garden structures within orchard area	Remove encroachment and reinstate orchard management area outside domestic curtilage.
Failure of orchard trees	Traditional Orchard	Dead, damaged or poorly established trees	Replace failed trees during the next suitable planting season and review watering, mulching and protection measures.
Failure of native hedgerow establishment	Native Hedgerow	Gaps, failed plants, poor growth or damage	Replace failed plants during the next planting season and improve weed control/protection where required.
Damage to retained woodland	Lowland Mixed Deciduous Woodland	Storage, excavation, vehicle damage, root damage or unauthorised access	Stop damaging activity, reinstate protective measures and seek ecological/arboricultural advice where required.
Storms/ extreme weather	All habitats	Damage to plants, fallen trees, soil erosion	Mulch orchard/garden, monitor damage and repair or replace damaged plants

4. Monitoring

Monitoring Strategy for Each Habitat, Hedgerow and Watercourse Present On-Site SM-T04

Provide details of the methods you will use to monitor the progress towards the targets stated in the management plan and as agreed with the Local Planning Authority.

Habitat/Feature Type	Monitoring Methods	Monitoring Interval and Timing
Traditional Orchard	Inspect tree survival, tree health, growth, flowering, fruiting, grassland condition, weed competition, evidence of damage, domestic encroachment and replacement planting requirements. Photographic records shall be taken during each monitoring visit.	Years 1, 2, 5, 10, 15, 20 and 30. Monitoring to be undertaken during the growing season where practicable.
Native Hedgerow	Inspect hedgerow establishment, plant survival, gaps, species composition, weed competition, evidence of damage, cutting regime and overall structure. Record any failed plants and replacement requirements.	Years 1, 2, 5, 10, 15, 20 and 30. Monitoring to be undertaken during the growing season where practicable.
Lowland Mixed Deciduous Woodland	Inspect retained woodland for evidence of damage, encroachment, storage, excavation, invasive species, disease, tree condition, natural regeneration and deadwood retention where safe.	Years 1, 2, 5, 10, 15, 20 and 30. Monitoring to be undertaken during the growing season where practicable.

Monitoring Reporting SM-B14

Organisation Responsible for Submitting the Monitoring Reports	Derbyshire Contracts Ltd on behalf of the landowner.	**Organisation Receiving and Responsible for Reviewing Reports**	Amber Valley Borough Council, in consultation with Derbyshire Wildlife Trust where required. Monitoring reports shall be prepared following monitoring visits in Years 1, 2, 5, 10, 15, 20 and 30. Reports shall include photographs, a summary of habitat condition, confirmation of whether the traditional orchard, native hedgerow and retained woodland are being managed in accordance with this HMMP, and details of any remedial actions required. The landowner shall remain responsible for ensuring that the traditional orchard enhancement area, native hedgerow and retained woodland are managed and maintained for the full 30-year period. Where monitoring identifies failure to achieve the required habitat condition, damage, poor

			establishment or unauthorised encroachment, adaptive management measures shall be implemented and recorded.

During the construction and initial establishment phase, the developer will be responsible for implementing habitat measures, monitoring progress, and undertaking any required remedial works.

Monitoring will be undertaken in accordance with the Habitat Management and Monitoring Plan, with records maintained to demonstrate compliance with biodiversity objectives.

The landowner will be responsible for the ongoing management and maintenance of habitats for the duration of the 30-year management period.

Where required by the Local Planning Authority, monitoring information can be made available to demonstrate that biodiversity net gain targets are being achieved.

Each monitoring report shall include updated photographs, an assessment of habitat condition against the approved Statutory Biodiversity Metric target conditions, details of any remedial management undertaken and recommendations for future management where necessary.