

# Dove Valley Park Plot 11

## Habitat Management and Monitoring Plan (HMMP)

Client:

Clowes Developments

Report Reference:

RSE\_7665\_R4\_V3\_HMMP

Issue Date:

September 2025

## PROJECT

|              |                                               |
|--------------|-----------------------------------------------|
| Client:      | Clowes Developments                           |
| Project:     | Dove Valley Park Plot 11                      |
| Reference    | RSE_7665_R4_V2_HMMP                           |
| Report Title | Habitat Management and Monitoring Plan (HMMP) |

## DOCUMENT CONTROL

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| Approved for Issue: | <b>NS</b> BSc MSC CEcol MCIEEM | Director           | 11/09/2025 |
| Issued:             | <b>NS</b> BSc MSC CEcol MCIEEM | Director           | 11/09/2025 |
| Revisions:          | V3: issued for 2 plot scheme   |                    |            |
|                     | <b>NS</b> BSc MSc CEcol MCIEEM | Director           | 11/03/2026 |

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# 1 INTRODUCTION AND PROJECT BACKGROUND

## 1.1 Terms of Reference

- i RammSanderson Ecology Ltd were commissioned by Clowes Developments to produce a Habitat Management and Monitoring Plan (HMMP) for an employment and business park (the 'Scheme') at Plot 11 of the wider Dove Valley Park, South Derbyshire (the 'Site').
- ii The format of this HMMP is based on the DEFRA HMMP template and companion documents (DEFRA, 2023). The only deviations from this template are:
  - Table 10 Target Habitat and Condition: Baseline habitat information has been removed to avoid duplication of data provided in Tables 8 & 9 and the supporting Metric. The hectareage and linear lengths (km) of created and enhanced habitats have been added as an additional column to Table 10.
  - No photographs illustrating 'what success looks like' have been provided due to copyright infringement constraints.
- iii This HMMP provides habitat creation and management prescriptions for proposed Site habitats over a period of 30 years following completion of Scheme construction, with monitoring and reporting periods provided in Section 3.

## 1.2 Project Background

Table 1: Site Overview

| Category                                                                     | Description                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project type</b>                                                          | Employment use of up to 58,500m <sup>2</sup> , B2, B8 with ancillary E(g) and up to 1,050m <sup>2</sup> of business services. Improvement of overall site in terms of permeability, soft and hard landscaping, signage and a new bus route and bus stop. |
| <b>BNG Project Name and Address</b>                                          | Plot 11, Dove Valley Park, South Derbyshire.                                                                                                                                                                                                             |
| <b>Author Organisation</b>                                                   | RammSanderson Ecology Ltd.                                                                                                                                                                                                                               |
| <b>Landowner</b>                                                             | Dove Valley Park Limited.                                                                                                                                                                                                                                |
| <b>Land Manager</b>                                                          | Dove Valley Park Management Company.                                                                                                                                                                                                                     |
| <b>Responsible person/organisation for creating or enhancing the habitat</b> | Bennimans Construction (Principal Contractor).                                                                                                                                                                                                           |
| <b>Period covered by this management plan</b>                                | From commencement of habitat creation/enhancement works prior to Q1 2027 (Year 0) to 30 years following the completion of habitat creation/enhancement works – Q1 2027 to Q4 2057 (Years 1-30).                                                          |
| <b>Planning authority</b>                                                    | South Derbyshire District Council.                                                                                                                                                                                                                       |
| <b>Planning reference (if applicable)</b>                                    | DMPA/2024/0635.                                                                                                                                                                                                                                          |

|                                                      |                                                                       |
|------------------------------------------------------|-----------------------------------------------------------------------|
| <b>BNG register reference (if applicable)</b>        | N/A.                                                                  |
| <b>Central OS grid reference</b>                     | SK 20828 32128.                                                       |
| <b>Metric revision/title</b>                         | RSE_7665_BIA_V2R3.                                                    |
| <b>Are any Irreplaceable Habitats present onsite</b> | Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> |

Table 2: Management Plan Summary

| Heading                                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Habitats to be Retained, Created and Enhanced | <p>To the east of the employment/business buildings and associated infrastructure, along the eastern Site boundary, a linear mosaic of native mixed scrub, other neutral grassland and other woodland; broadleaf plantings are proposed, as well individual and lines of trees. The attenuation feature to the south-east of the Site will be managed as modified grassland, with other patches providing amenity use. Within the development infrastructure itself, linear rows of individual trees are proposed.</p> <p>A mature oak tree is to be relocated as part of the Scheme proposals, detailed specifications and aftercare for this operation are provided in the relevant arboricultural and CEMP documents and are not included within this HMMP.</p> |
| Timescales for Actions                        | Habitat creation/enhancement will be carried out prior to the start of this HMMP in Year 0 (before Q1 2027). The establishment and long-term management prescriptions as set out within this HMMP will start in Year 1 (Q1 2027) and will be completed in Year 30 (Q1 2057).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Monitoring Requirements                       | Monitoring to be undertaken in Years 1, 3 & 5 (following completion of the habitat creation/enhancement works), and then Years 10, 15, 20, 25 & 30 thereafter. This is considered proportionate for the habitats created within the Site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Required Consents and Licences                | No consents or licences are known to be required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Funding                                       | The management prescriptions as set out within this HMMP will be funded by ground rents and service charges to Dove Valey Park Management Company.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Legal Agreement                               | Planning Condition and/or Section 106.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



|                                                                                       |                            |               |
|---------------------------------------------------------------------------------------|----------------------------|---------------|
|  |                            |               |
| Title: Site Context Plan                                                              |                            |               |
| Project: Dove Valley Business Park Plot 11                                            |                            |               |
| Client: Clowes                                                                        |                            |               |
| Date: 11/09/2025                                                                      | Fig:                       | Author: LG/LE |
| A4 Scale: 1:3500                                                                      | ID: RSE_7665_STC_0925_V2R1 |               |

### 1.3 Phasing Strategy

#### 1.3.1 Will the HMMP be Delivered in Phases

- i The habitat creation/enhancement works will not be delivered in phases.

### 1.4 Roles and Responsibilities

#### 1.4.1 Ecologist or Other Professional Responsible for HMMP

**Table 3: Ecologist Responsibilities**

| Ecologist or Other Professional Responsible for HMMP |                |                                                                                           |               |
|------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------|---------------|
| Name or Initials:                                    |                | Steven Weber.                                                                             |               |
| Organisation:                                        |                | RammSanderson Ecology Ltd.                                                                |               |
| Responsibility Start Date:                           | September 2025 | Responsibility End Date                                                                   | December 2025 |
| Responsibility:                                      |                | Production of the HMMP and assistance in discharging the relevant planning conditions.    |               |
| Statement Of Competency:                             |                | Steven has been a professional ecologist for over 18 years and is a full member of CIEEM. |               |

**Table 4: Landowner/Land Manager Responsibilities for Implementing the HMMP**

| Landowner/Land Manager Responsibilities |         |                                                                                                                                                                                                |         |
|-----------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Landowner Details and Responsibilities  |         |                                                                                                                                                                                                |         |
| Name or Initials:                       |         | TBC.                                                                                                                                                                                           |         |
| Organisation:                           |         | Dove Valey Park Management Company.                                                                                                                                                            |         |
| Responsibility Start Date:              | Q1 2027 | Responsibility End Date:                                                                                                                                                                       | Q2 2057 |
| Responsibility:                         |         | Implementation of this HMMP.                                                                                                                                                                   |         |
| Statement of Competency:                |         | Dove Valey Park Management Company are responsible for managing the soft landscaping and habitats across the whole Dove Valley Park estate and all BNG commitments across development parcels. |         |

**Table 5: LPA or Responsible Body**

| LPA or Responsible Body for Reviewing HMMP |         |                                        |         |
|--------------------------------------------|---------|----------------------------------------|---------|
| Name or Initials:                          |         | TBC.                                   |         |
| Organisation:                              |         | South Derbyshire Council.              |         |
| Responsibility Start Date:                 | Q4 2025 | Responsibility End Date:               | Q1 2057 |
| Responsibility:                            |         | Review of HMMP and monitoring reports. |         |

## 1.5 Land Use Summary

### 1.5.1 Overview of Baseline Site Use

- i The Site was dominated by a field modified grassland with limited boundary habitats comprising native hedgerow and small to large urban trees, with small patches of blackthorn scrub, mixed scrub and broadleaved woodland, concentrated mainly to the south-east of the Site. A short section of ecologically valuable line of trees was present to the south of the Site, with a single medium rural tree present directly to the north. The eastern section of the southern limit of the Site was characterised by the presence of a ditch.
- ii Site context photos are provided in Figure 2 and baseline habitats are illustrated in Figure 3.

### 1.5.2 Overview of Proposed Site Use

- iii The Scheme will comprise employment use of up to 58,500m<sup>2</sup>, B2, B8 with ancillary E(g) and up to 1,050m<sup>2</sup> of business services. Improvement of overall site in terms of permeability, soft and hard landscaping, signage and a new bus route and bus stop.
- iv To the east of the employment/business buildings and associated infrastructure, along the eastern Site boundary, a linear mosaic of native mixed scrub, other neutral grassland and other woodland; broadleaf plantings are proposed, as well individual and lines of trees. The attenuation feature to the south-east of the Site will be managed as modified grassland, with other patches providing amenity use. Within the development infrastructure itself, linear rows of individual trees are proposed.
- v Proposed habitats are illustrated in Figure 4.

**Figure 2: Site Context Photo**



## 1.6 Site Baseline, Environmental Information and Associated Impacts Checklist

- i Table 6 considers appropriate baseline and environmental information which has informed this HMMP and provides contextual information for the management prescriptions provided in Section 2.
- ii Baseline and environmental information have been taken from supporting ecological and planning documents for Scheme (DMPA/2024/0635).

**Table 6 Site Baseline, Environmental Information and Associated Impacts Checklist**

| Baseline and Environmental Information      | Prompts for when these may be relevant.                                                                                                                                                                                                                                                                                                                            | Check box if included               | Document Reference or Reason if not included                                                                                    |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Statutory / Non-statutory Designated Sites  | <p>Pennywaste Woods Local Nature Reserve (LNR) is present adjacent to the southern Site boundary.</p> <p>The presence of the LNR has influenced the proposals through the planting of mixed scrub, neutral grassland and broadleaf woodland strips to buffer the LNR from the development areas and to further strengthen and extend the LNR habitat resource.</p> | <input type="checkbox"/>            | Designated sites do not exert a significant influence on the proposals which would merit additional information being provided. |
| Protected and Notable Species               | No protected or notable species were identified within the Ecological Impact Assessment which would significantly influence the proposals or delivery of this HMMP.                                                                                                                                                                                                | <input type="checkbox"/>            | Protected and notable species do not significantly influence the proposals.                                                     |
| Invasive Non-Native Species (INNS)          | <p>No INNS have been identified within the Site to date.</p> <p>Monitoring of habitats as defined within this HMMP would identify new infestations of INNS and propose appropriate remediation strategies.</p>                                                                                                                                                     | <input type="checkbox"/>            | INNS do not significantly influence the proposals.                                                                              |
| Biological Records Plan - Sites and Species | Biological records from the Ecological Impact Assessment were not included as they do not exert a significant influence on the proposals and delivery of this HMMP. Site habitats will be enhanced to benefit biodiversity.                                                                                                                                        | <input type="checkbox"/>            | Biological records do not significantly influence the proposals.                                                                |
| Baseline Habitats Survey                    | The baseline habitat survey from the Ecological and Biodiversity Impact Assessment has informed the proposals in so far as determining appropriate creation and retention of habitats.                                                                                                                                                                             | <input checked="" type="checkbox"/> | Baseline habitats are discussed in Section 1.7.                                                                                 |
| Public Access                               | A new public right of way is proposed through the Site, running along the length of the eastern and southeastern boundary through the linear landscaped area – see Appendix 1. The presence of the public right of way will require suitable management of habitats such as regular grass cutting to maintain pedestrian footpath access.                          | <input type="checkbox"/>            | Public access does not exert a significant influence on the proposals which would merit additional information being provided.  |
| Climate                                     | <p>Climate change is unlikely to have a significant influence on the proposed habitats given the comparably size of the proposals.</p> <p>However, monitoring of habitats as defined within this HMMP would identify climate related</p>                                                                                                                           | <input type="checkbox"/>            | Climate does not exert a significant influence on the proposals which would merit additional information being provided.        |

| Baseline and Environmental Information | Prompts for when these may be relevant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Check box if included    | Document Reference or Reason if not included                                                                                                        |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        | impacts to habitats and identify appropriate remediation strategies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                                                                                                                                                     |
| Geology and Topography                 | <p>The Site topography is flat and uniform and does not therefore significantly influence the proposals.</p> <p>The British Geological Societies online Geology Viewer describes the Site bedrock geology as sedimentary mudstone with superficial deposits of sand and gravel.</p> <p>See Soils and Substrates for further discussion.</p>                                                                                                                                                                                                                                                             | <input type="checkbox"/> | Geology and topography does not exert a significant influence on the proposals which would merit additional information being provided.             |
| Agricultural Land Status               | <p>The Site Agricultural Land Classification (ALC) is Grade 3a good quality agricultural land (19%) and Grade 3b moderate quality agricultural land (80%). 1 % of the land was also non-agricultural comprising two small, wooded areas.</p> <p>See Soils and Substrates for further discussion.</p>                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | Agricultural land status does not exert a significant influence on the proposals which would merit additional information being provided.           |
| Soils and Substrates                   | <p>The ALC survey identified that most Site soils were moderately high topsoil content which are moderately free drainage. Most Site soils were of a natural fine loamy structure, with disturbed soils present to the west of the Site from levelling of a former airfield.</p> <p>Soils, substrates and geology are unlikely to significantly influence the proposals and delivery of this HMMP. However, monitoring of habitats as defined within this HMMP would identify where influences from soil conditions are adversely affecting habitat establishment and identify remedial strategies.</p> | <input type="checkbox"/> | Soils and substrates do not exert a significant influence on the proposals which would merit additional information being provided.                 |
| Contaminated Land                      | The Geo-Environmental Site Investigation Report did not identify elevated contaminants within the Site and did not recommend a specific remediation strategy.                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> | Contaminated land does not significantly influence the proposals.                                                                                   |
| Hydrology and Drainage                 | The Flood Risk Assessment and Drainage Strategy has demonstrated that the Scheme can be operated with low risk from flooding, would not increase flood risk elsewhere, and is compliant with the requirements of national policy and guidance. An attenuation basin is proposed in the southeastern area of the Site.                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | Hydrology and drainage do not significantly influence the proposals.                                                                                |
| Flood Risk Zones                       | The Flood Risk Assessment and Drainage Strategy has identified that the Site is in Flood Zone 1 and is at low risk of flooding from all sources of flooding.                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> | Flood risk zones do not significantly influence the proposals.                                                                                      |
| Landscape Character and Designations   | The Landscape and Visual Impact Assessment has identified that the Site is located within Character Area 68 Needwood and South Derbyshire Claylands and within the Settled Farmlands Landscape Type. The Landscape Character and Designations have influenced the proposals and delivery of the HMMP in so far as creating and managing over the long-term                                                                                                                                                                                                                                              | <input type="checkbox"/> | Landscape Character and Designations do not exert a significant influence on the proposals which would merit additional information being provided. |

| Baseline and Environmental Information  | Prompts for when these may be relevant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Check box if included    | Document Reference or Reason if not included                                                                                       |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|                                         | appropriate vegetative screening barriers to assimilate the development infrastructure into the landscape and to further provide landscape connectivity.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |                                                                                                                                    |
| Historic Land Use                       | <p>The Phase 1 Geo-Environmental Assessment has identified the historic Site and surrounding land use as:</p> <p>1881-1955 – Open fields and Pennywaste Woods.</p> <p>1955-1981 – Part of the Site and the surrounding area identified as an ‘Airfield’.</p> <p>1981-2000 – Airfield identified as ‘disused’ although former structures are noted.</p> <p>2000-present – Development of the former airfield has started (offsite), comprising development of the wider Dove Valley Park to date. The Site itself has remained under agricultural management to date.</p> <p>See Soils and Substrates.</p> | <input type="checkbox"/> | Historic land use does not exert a significant influence on the proposals which would merit additional information being provided. |
| Historic Environment and Earth Heritage | The Heritage Assessment and Archaeological Site Investigations have not identified any historic or heritage features that would significantly influence the proposals.                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | Historic environment and earth heritage has not significantly influenced the proposals.                                            |
| Other – please specify                  | None identified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> | Not applicable.                                                                                                                    |

## 1.7 Baseline Habitat Surveys

### 1.7.1 Ecologist Responsible for Baseline Surveys

Table 7 Ecologist Responsible for Baseline Surveys

| Ecologist responsible for baseline surveys |                                                                                                                                                                                                           |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name(s) or Initials:                       | Nicky Woods MSc QualCIEEM.                                                                                                                                                                                |
| Organisation:                              | RammSanderson Ecology Ltd.                                                                                                                                                                                |
| Survey Date:                               | 16/11/2023.                                                                                                                                                                                               |
| Statement of Competency:                   | Nicky Woods has been a professional ecologist since 2016 and satisfied the necessary field survey competencies as stipulated by the Chartered Institute for Ecology and Environmental Management (CIEEM). |
| Survey conditions and limitations:         | No significant limitations were identified.                                                                                                                                                               |

### 1.7.2 Habitat Degradation

- i No habitat degradation has been identified within the Site.

## 1.7.3 Baseline Habitat Descriptions and Condition

Table 8 Baseline Habitats

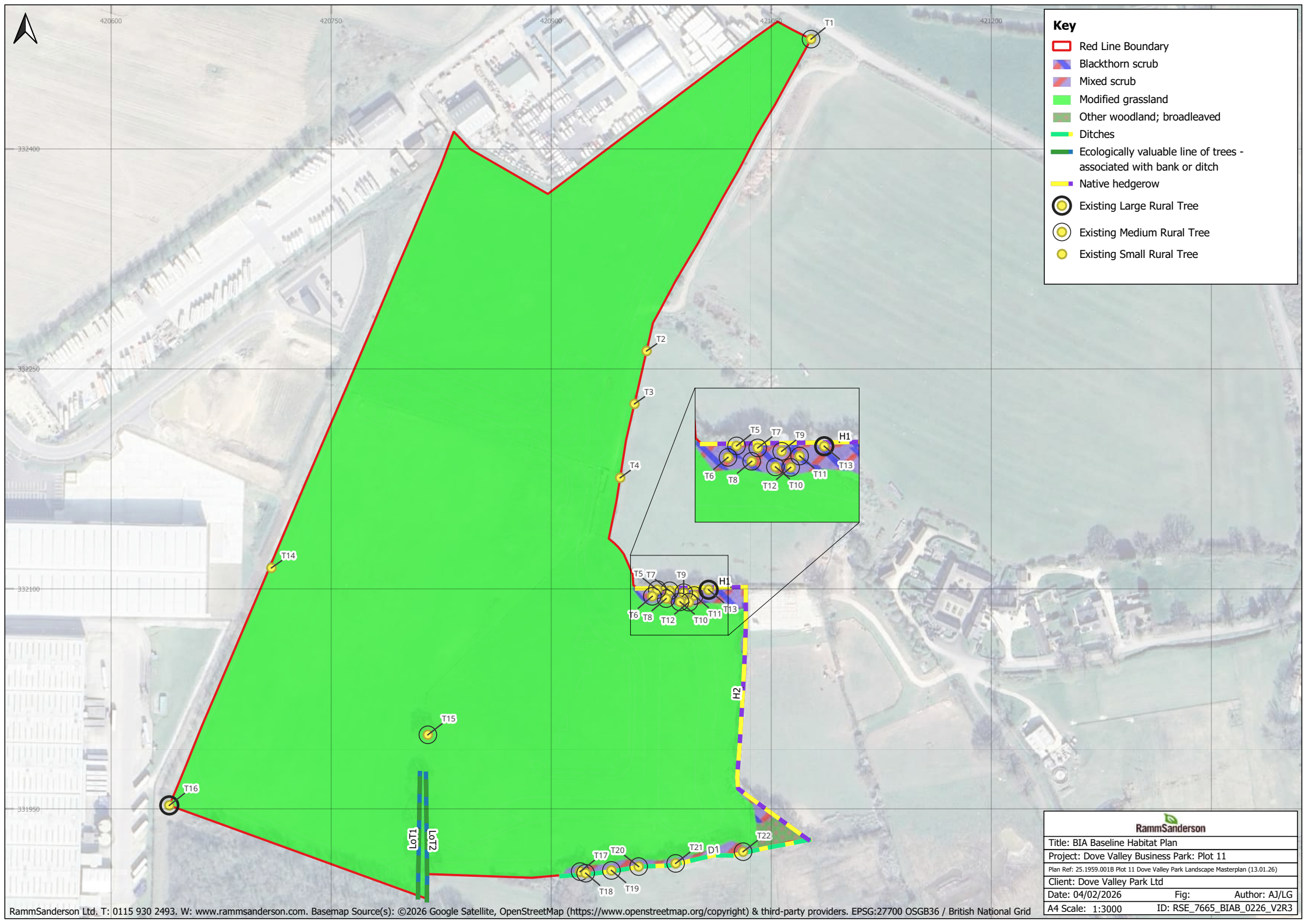
| Parcel Refs | Habitat Type                   | Irreplaceable | Priority | Description and Condition Justification                                                                                                                                                                                                                                  | Condition | Area (ha) |
|-------------|--------------------------------|---------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| N/A         | Modified Grassland             | No            | No       | Making up majority of the Site, as agriculturally improved grassland. The grassland has been condition assessed as poor as the habitat fails criterion A (6-8 vascular species per m2) which is essential to achieving a moderate condition in the condition assessment. | Poor      | 13.32     |
| N/A         | Blackthorn Scrub               | No            | No       | A patch of blackthorn scrub present adjacent to hedgerow H2. Passes criteria A, C, D and E.                                                                                                                                                                              | Moderate  | 0.08      |
| N/A         | Blackthorn Scrub               | No            | No       | Two small patches of blackthorn scrub present along the eastern Site boundary. Passes criteria C and D.                                                                                                                                                                  | Poor      | 0.03      |
| N/A         | Mixed Scrub                    | No            | No       | Present along the southern Site boundary, a patch of mixed scrub, condition assessed as good as all criteria has been achieved in the condition assessment.                                                                                                              | Good      | 0.09      |
| N/A         | Other Woodland;<br>Broadleaved | No            | No       | A patch of woodland present in the southeast of the Site, originally condition assessed as scattered trees. Condition has been defaulted to moderate.                                                                                                                    | Moderate  | 0.05      |
| N/A         | Rural Trees                    | No            | No       | x2 large trees and x16 medium rural trees present within the Site, each condition assessed as good for achieving 5 or 6 criteria in the condition assessment.                                                                                                            | Good      | 0.37      |
| N/A         | Rural Trees                    | No            | No       | x4 small rural trees present within the Site, each condition assessed as moderate for achieving 3 or 4 criteria in the condition assessment.                                                                                                                             | Moderate  | 0.02      |

Table 9 Baseline Hedgerows

| Parcel Refs | Habitat Type and Code                                               | Irreplaceable | Priority | Description and Condition Justification                                                                     | Condition | Length (km) |
|-------------|---------------------------------------------------------------------|---------------|----------|-------------------------------------------------------------------------------------------------------------|-----------|-------------|
| N/A         | Ecologically Valuable Line of Trees - Associated with Bank or Ditch | No            | No       | Two lines of trees present in the south, running marginally within the Site. Passes criteria A, B, C and E. | Moderate  | 0.171       |
| N/A         | Native Hedgerow                                                     | No            | Yes      | Present along the eastern Site boundary. Passes criteria A1, B1, B2, C1, D1 and D2.                         | Good      | 0.197       |
| N/A         | Native Hedgerow                                                     | No            | Yes      | Present along the eastern Site boundary. Passes criteria B1, C1 and D1.                                     | Moderate  | 0.074       |

#### **1.7.4 Priority and Irreplaceable Habitats**

- ii There are no Irreplaceable Habitats within the Site.
- iii The Site hedgerows are native in their shrubby composition are therefore deemed to be Priority Habitats (NERC Section 41). Priority hedgerows within the Site will be retained and managed as ecological features and for their screening functionality.



**Key**

Red Line Boundary

Blackthorn scrub

Mixed scrub

Modified grassland

Other woodland; broadleaved

Ditches

Ecologically valuable line of trees - associated with bank or ditch

Native hedgerow

Existing Large Rural Tree

Existing Medium Rural Tree

Existing Small Rural Tree

**Title:** BIA Baseline Habitat Plan

**Project:** Dove Valley Business Park: Plot 11

**Plan Ref:** 25.1959.0018 Plot 11 Dove Valley Park Landscape Masterplan (13.01.26)

**Client:** Dove Valley Park Ltd

**Date:** 04/02/2026

**Fig:**

**Author:** AJ/LG

**A4 Scale:** 1:3000

**ID:** RSE\_7665\_BIAB\_0226\_V2R3

## 2 PLANNED MANAGEMENT ACTIVITIES

### 2.1 Management Plan Aims and Objectives

- i The specific aims and objectives of the HMMP are as follows:
- Maintain an appropriate balance between management of habitats for nature conservation and amenity functionality, including the provision of the new public right of way (Appendix 1);
  - Provide enhanced habitats for a range a floral and faunal species;
  - Achieve successful establishment of new planting; and
  - Monitor management operations and allow flexibility in the management approach.

### 2.2 Design Principles Informed by Baseline Information

- i The Scheme's overall strategy is to contribute positively to conserving and enhancing the eastern edge of the Scheme as it faces the adjacent landscape. The units at Plot 11 have been located to the western part of the Site to limit the impact on the local area, with the design of the units being commensurate with the existing units at Dove Valley Park.

### 2.3 Habitat and Condition Targets

- i Table 10 summarises the habitats which are to be created and/or enhanced within the Site and identifies the target condition for each habitat based on the Proposed Habitats Plan illustrated in Figure 4. Table 10 does not include developed land or any other development type which returns no biodiversity units and/or does not have a condition assessment attached.

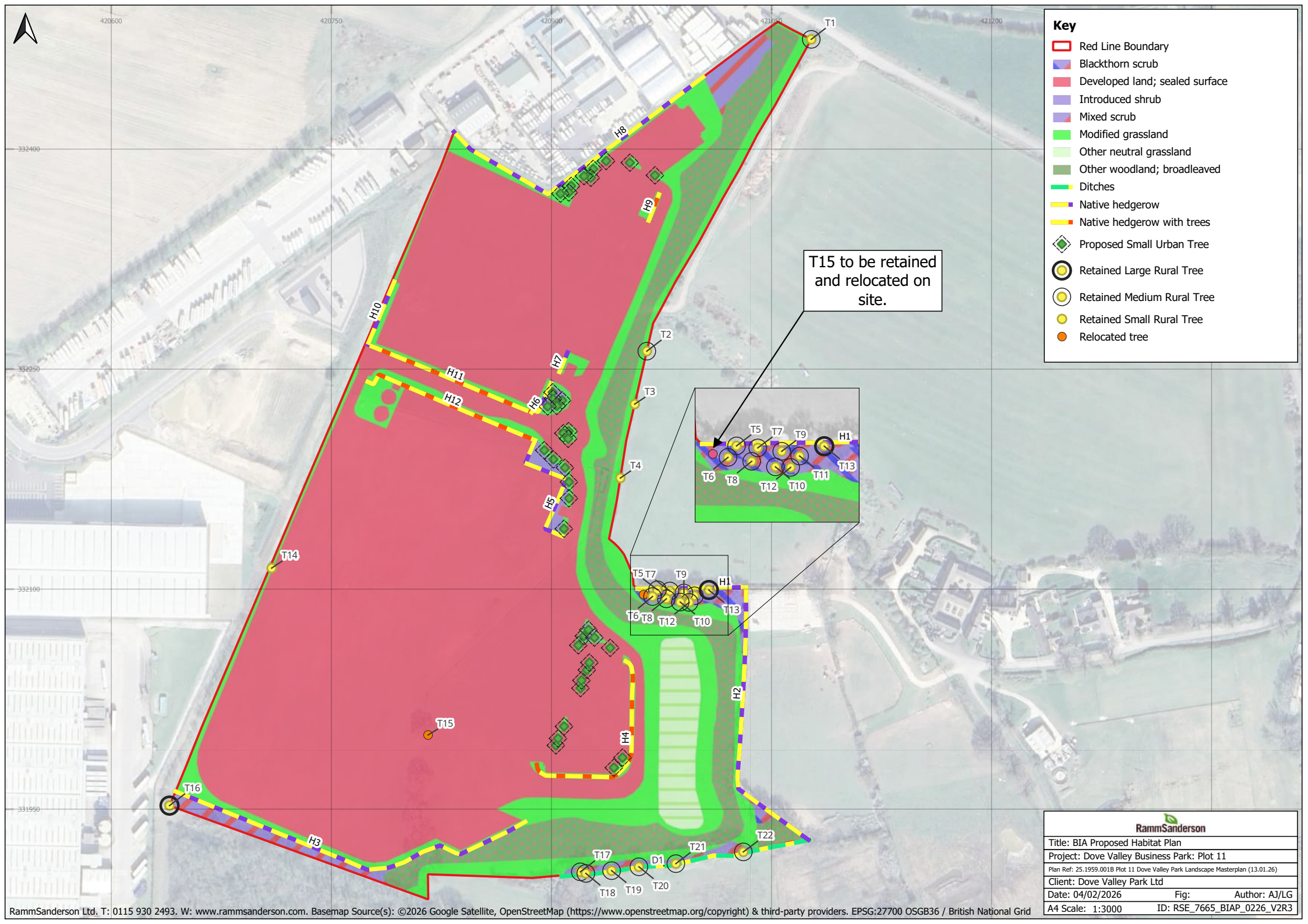
Table 10 Target Habitat and Condition

| Target Habitat Type         | Hectares/km created/enhanced | Parcel / Feature Refs                                                                                                                                                                      | Targeted Condition | Years to Targeted Condition | Condition Assessment Targets                               | Comments                                                                                                                                                                                   |
|-----------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modified Grassland          | 2.029                        | Attenuation basin, southeast of the Site.                                                                                                                                                  | Poor               | 1                           | Target criteria A, C, D, E, F and G.                       | Grassland in the attenuation basin, southeast of the Site, occasionally cut.                                                                                                               |
| Other neutral grassland     | 0.336                        | Neutral grassland to the east of the Site.                                                                                                                                                 | Moderate           | 5                           | Target criteria A, B, C, D and E.                          | Neutral grassland to the east of the Site, infrequently cut (tall sward).                                                                                                                  |
| Blackthorn scrub            | 0.0148                       | Blackthorn patches in the southeast of the Site.                                                                                                                                           | Moderate           | 5                           | Target criteria A, C and E.                                | Created as an extension of existing habitat to the east of the Site.                                                                                                                       |
| Mixed scrub                 | 0.2246                       | Along the southern and eastern Site boundaries.                                                                                                                                            | Moderate           | 5                           | Target criteria A, C and D.                                | Along the southern and eastern Site boundaries, in association with the neutral grassland.                                                                                                 |
| Introduced shrub            | 0.0864                       | A small parcel embedded within the east of the proposed sealed surfaced habitat, and adjacent to retained modified grassland, as well as proposed urban trees and a small native hedgerow. | N/A                | 1                           | Condition defaults. Habitat not strategically significant. | A small parcel embedded within the east of the proposed sealed surfaced habitat, and adjacent to retained modified grassland, as well as proposed urban trees and a small native hedgerow. |
| Other woodland; broadleaved | 0.9312                       | In the southeast near the Site boundary.                                                                                                                                                   | Moderate           | 15                          | See Table 17.                                              | In the southeast near the Site boundary, in association with the neutral grassland.                                                                                                        |

| Target Habitat Type         | Hectares/km created/enhanced | Parcel / Feature Refs                                                                                          | Targeted Condition | Years to Targeted Condition | Condition Assessment Targets | Comments                                                                                                                      |
|-----------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Other woodland; broadleaved | 0.4085                       | Embedded in the proposed area of modified grassland along most of the southern and eastern verges of the Site. | Moderate           | 15                          | See Table 17.                | Embedded in the proposed area of modified grassland along most of the southern and eastern verges of the Site.                |
| Urban trees                 | 0.1506                       | Within development areas.                                                                                      | Moderate           | 27                          | Target criteria A, B and E.  | x37 small trees to be created within the poor condition modified grassland habitats embedded within the sealed surface areas. |

Table 11: Target Hedgerows and Condition

| Target Habitat Type        | Length created/enhanced | Feature Refs             | Targeted Condition | Years to Targeted Condition | Condition Assessment Targets                                   | Comments                        |
|----------------------------|-------------------------|--------------------------|--------------------|-----------------------------|----------------------------------------------------------------|---------------------------------|
| Native hedgerow with trees | 0.409                   | Within development areas | Poor               | 1                           | Proposed hedgerows not deemed to be strategically significant. | Adjacent to car parking spaces  |
| Native hedgerow            | 0.654                   | Within development areas | Poor               | 1                           | Proposed hedgerows not deemed to be strategically significant. | Adjacent to roads and buildings |



**Key**

Red Line Boundary

Blackthorn scrub

Developed land; sealed surface

Introduced shrub

Mixed scrub

Modified grassland

Other neutral grassland

Other woodland; broadleaved

Ditches

Native hedgerow

Native hedgerow with trees

Proposed Small Urban Tree

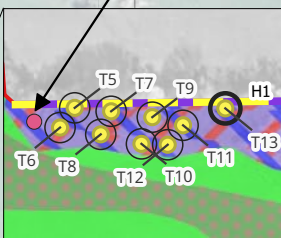
Retained Large Rural Tree

Retained Medium Rural Tree

Retained Small Rural Tree

Relocated tree

T15 to be retained and relocated on site.



Title: BIA Proposed Habitat Plan

Project: Dove Valley Business Park: Plot 11

Plan Ref: 25.1959.0018 Plot 11 Dove Valley Park Landscape Masterplan (13.01.26)

Client: Dove Valley Park Ltd

Date: 04/02/2026

Fig:

Author: AJ/LG

A4 Scale: 1:3000

ID: RSE\_7665\_BIAP\_0226\_V2R3

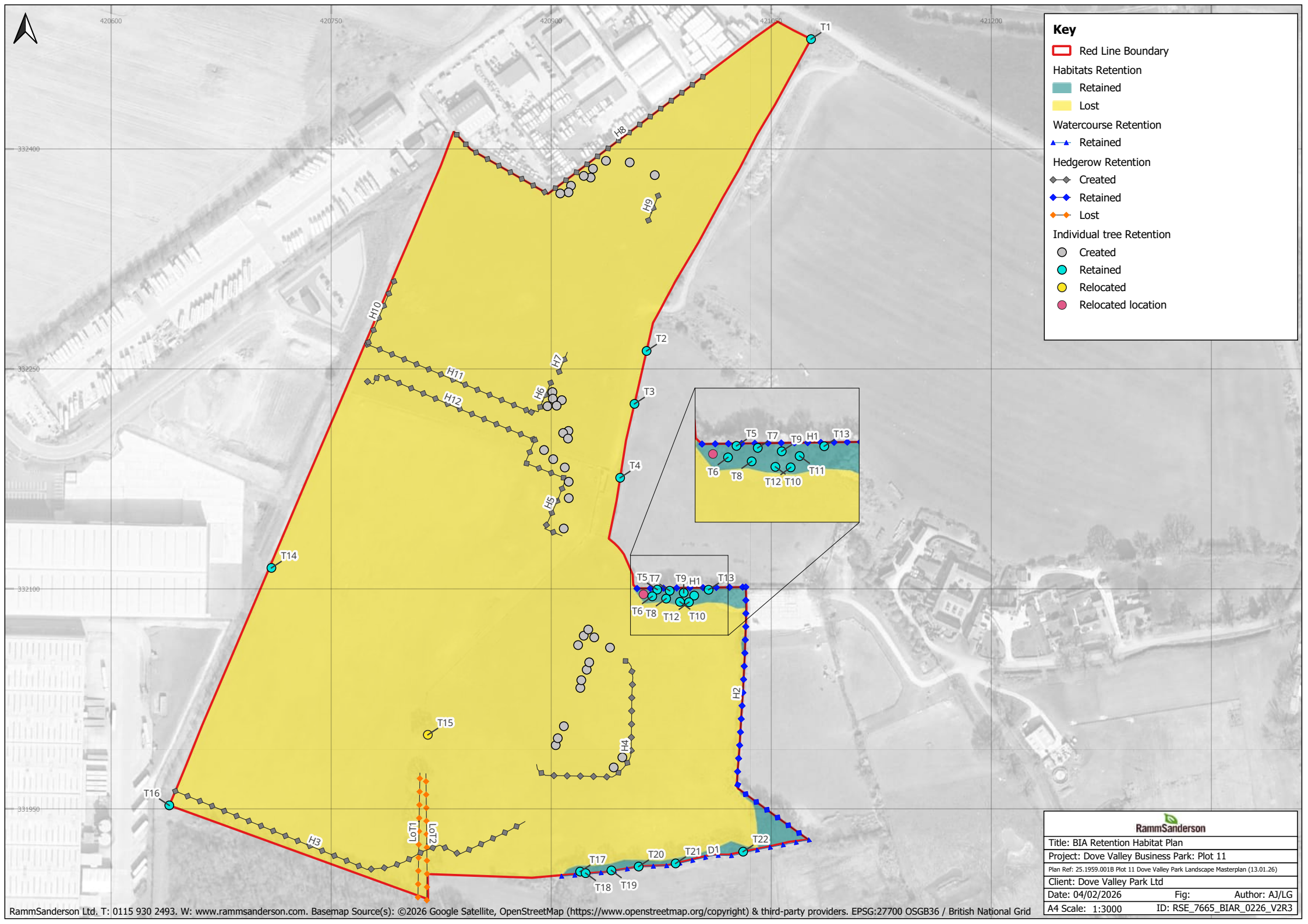
## 2.4 Habitat Retention

### 2.4.1 Measures to be Implemented to Protect Retained Habitats

- i Existing rural trees, as well as hedgerows and woodland and scrub patches along the boundaries of the Site will be retained within the Scheme and managed long-term to maintain existing habitat conditions. Similarly, the remaining section of line of trees to the south of the Site will be managed in the same regard.
- ii A retained habitats are illustrated in Figure 5.

### 2.4.2 Specification of Protective Measures to be Used

- iii Measures to maintain the baseline condition of retained habitats are provided in the creation, enhancement and management targets and prescriptions, as set out within this HMMP.
- iv A mature oak tree is to be relocated as part of the Scheme proposals, detailed specifications and aftercare for this operation are provided in the relevant arboricultural and CEMP documents and are not included within this HMMP.



**Key**

Red Line Boundary

Habitats Retention

Retained

Lost

Watercourse Retention

Retained

Hedgerow Retention

Created

Retained

Lost

Individual tree Retention

Created

Retained

Relocated

Relocated location

**Title:** BIA Retention Habitat Plan

**Project:** Dove Valley Business Park: Plot 11

**Plan Ref:** 25.1959.0018 Plot 11 Dove Valley Park Landscape Masterplan (13.01.26)

**Client:** Dove Valley Park Ltd

**Date:** 04/02/2026

**Fig:**

**Author:** AJ/LG

**A4 Scale:** 1:3000

**ID:** RSE\_7665\_BIAR\_0226\_V2R3

## 3 CREATION, ENHANCEMENT AND MANAGEMENT TARGETS AND PRESCRIPTIONS

### 3.1 Overview

- i The Tables in this section provide the target condition and prescription details for the creation, establishment and long-term management of Site habitats to achieve the Aims and Objectives of this HMMP and the proposals detailed in the supporting Metric.
- ii Management of habitats will begin in Year 1 following completion of habitat creation/enhancement works. For completeness, prescriptions are provided to guide habitat creation/enhancement works and are detailed under Year 0.
- iii For all seed / planting mixes please see Appendix 2, approved landscape designs.

### 3.2 Target Habitat Condition and Management Prescriptions for Modified Grassland (Poor Condition)

Table 12 Target Habitat Condition: Modified Grassland (Poor Condition)

| Condition Assessment Criteria |                                                                                                                                                                                                                            | Targeted | Relevant<br>Parcels                           | Creation approach                                                                                                                                                                                                                   | Enhancement Approach | Management Approach                                                                                                                                                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A                             | There are 6-8 vascular plant species per m <sup>2</sup> present, including at least 2 forbs<br><b>Note - this criterion is essential for achieving Moderate or Good condition.</b>                                         | No       | N/A                                           | <i>Criterion not targeted but creation approach provided for context:</i><br><br>Correct preparation of ground to receive seed mix, ensuring sandy soils are exposed.<br><br>Recommended seed mix as per approved Landscape Design. | N/A                  | <i>Criterion not targeted but enhancement approach provided for context:</i><br><br>Grassland to be short mown for amenity management.<br><br>Control of undesirable weeds and invasive plant species.<br><br>Supplementary seeding. |
| B                             | Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20 per cent is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed. | No       | N/A                                           | N/A                                                                                                                                                                                                                                 | N/A                  | N/A                                                                                                                                                                                                                                  |
| C                             | Any scrub present accounts for less than 20% of the total grassland area. (Some scattered scrub such as bramble <i>Rubus fruticosus</i> agg. may be present).                                                              | Yes      | Patches of amenity grassland across the Site. | N/A                                                                                                                                                                                                                                 | N/A                  | Cutting management will reduce scrub cover.                                                                                                                                                                                          |
| D                             | Physical damage is evident in less than 5% of total grassland area. Examples of physical damage include excessive poaching, damage from machinery use or storage, erosion caused by high levels of access, or any          | Yes      | Patches of amenity grassland across the Site. | N/A                                                                                                                                                                                                                                 | N/A                  | Avoidance of cutting when ground is wet/damp or use strimming equipment.<br><br>Remediation of damaged areas of modified grassland through supplementary seeding.                                                                    |

| Condition Assessment Criteria |                                                                                                                         | Targeted | Relevant<br>Parcels                           | Creation approach | Enhancement Approach | Management Approach                                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------|-------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               | other damaging management activities.                                                                                   |          |                                               |                   |                      |                                                                                                                                                                   |
| E                             | Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens). | Yes      | Patches of amenity grassland across the Site. | N/A               | N/A                  | Avoidance of cutting when ground is wet/damp or use strimming equipment.<br><br>Remediation of damaged areas of modified grassland through supplementary seeding. |
| F                             | Cover of bracken Pteridium aquilinum is less than 20%.                                                                  | Yes      | Patches of amenity grassland across the Site. | N/A               | N/A                  | Cutting management will reduce bracken cover.                                                                                                                     |
| G                             | There is an absence of invasive non-native plant species (as listed on Schedule 9 of WCA).                              | Yes      | Patches of amenity grassland across the Site. | N/A               | N/A                  | Pulling and/or control of invasive species, as needed.                                                                                                            |

### 3.2.1 Additional Management Prescriptions: Modified Grassland (Poor Condition)

- i Litter shall be picked from grasslands and taken offsite, during maintenance visits.

**Table 13: Detailed Management Prescriptions: Modified Grassland (Poor Condition)**

| Action                           | Relevant<br>Parcels                           | Timing                    | Prescriptions                                                                                                                                                                                                                                          |
|----------------------------------|-----------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Creation of modified grasslands. | Patches of amenity grassland across the Site. | Year 0 (Spring or Autumn) | Recommended seed mix as per approved Landscape Design.<br><br>The required ground shall be levelled and a sandy seed bed created by harrowing. Once a seed bed is prepared the seed shall be surface sown and broadcast by machine (do not drill). The |

| Action                                    | Relevant<br>Parcels                           | Timing                              | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------|-----------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                           |                                               |                                     | <p>seed shall not be incorporated or covered to any depth but rolled to firm and obtain good soil/seed contact. Sowing rates shall follow the supplier's recommendation.</p> <p>The time for sowing must be assessed on site and determined by the soil conditions. Ideally sowing shall take place in autumn or spring but can occur at other times if there is sufficient moisture and warmth – advice shall be sought from the Project Ecologist or Landscape Architect.</p> |
| Long-term cutting of modified grasslands. | Patches of amenity grassland across the Site. | Years 1-30 (late August/September)  | <p>Long term mowing regimes for poor condition modified grasslands shall be undertaken to promote healthy and vigorous swards free from disease, discolouration, scorch or wilt, and to present a neat and tidy appearance.</p> <p>Regular cutting management along the route of the public right of way shall be undertaken to allow continuous pedestrian access (Appendix 1).</p>                                                                                            |
| Control of undesirable weeds.             | Patches of amenity grassland across the Site. | Years 1-30 (April to August)        | Undesirable weeds shall be treated through hand pulling only, no herbicide permitted. Scope and targets for the control of undesirable weeds shall be informed following each monitoring period.                                                                                                                                                                                                                                                                                |
| Control of invasive plant species.        | Patches of amenity grassland across the Site. | Years 1-30 (April to September)     | Where invasive plant species are identified following monitoring periods, the Project Ecologist shall devise a bespoke remedial strategy for the eradication or control of the specific invasive plant species in question. The remedial strategy shall be implemented in full by the Landowner/Land Manager.                                                                                                                                                                   |
| Supplementary seeding.                    | Patches of amenity grassland across the Site. | Years 1-30 (April/May or September) | Any disturbance/damage to modified grasslands caused by machinery, vehicle or pedestrian damage etc. shall be remedied by the restoration of the seed bed and over-sowing of the prescribed seed mix. Scope and targets for supplementary seeding shall be informed following each monitoring period.                                                                                                                                                                           |

### 3.3 Target Habitat Condition and Management Prescriptions for Other Neutral Grassland (Moderate Condition)

Table 14 Target Habitat Condition: Other Neutral Grassland (Moderate Condition)

| Condition Assessment Criteria |                                                                                                                                                                                                                                                                                                                      | Targeted | Relevant<br>Parcels                            | Creation approach                                                                                                       | Enhancement Approach | Management Approach                                                                                                                                                                                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A                             | <p>The parcel represents a good example of its habitat type, with a consistently high proportion of characteristic indicator species present relevant to the specific habitat type.</p> <p><b>Note – this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only.</b></p> | Yes      | All neutral grassland to the east of the Site. | <p>Correct preparation of ground to receive seed mix.</p> <p>Recommended seed mix as per approved Landscape Design.</p> | N/A                  | <p>Low intensity cutting and removal of arisings to prevent nutrient encroachment and allow indicator species to flourish.</p> <p>Control of undesirable weeds and invasive plant species.</p> <p>Supplementary seeding and plug planting.</p>                       |
| B                             | Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20 per cent is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.                                                                                           | Yes      | All neutral grassland to the east of the Site. | N/A                                                                                                                     | N/A                  | Monthly strimming of 20% of the sward area during April to September to maintain a sward height of lower than 7cm. 80% remainder of the sward height managed as tall sward with one cut in August/September. Arisings to be removed during all strimming operations. |
| C                             | Cover of bare ground between 1% and 5%, including localised areas, for example, rabbit warrens.                                                                                                                                                                                                                      | Yes      | All neutral grassland to the east of the Site. | N/A                                                                                                                     | N/A                  | <p>Avoidance of cutting when ground is wet/damp or use strimming equipment.</p> <p>Remediation of damaged areas of grassland through supplementary seeding and plug planting.</p>                                                                                    |
| D                             | Cover of bracken <i>Pteridium aquilinum</i> less than 20% and cover of scrub (including bramble) less than 5%.                                                                                                                                                                                                       | Yes      | All neutral grassland to the east of the Site. | N/A                                                                                                                     | N/A                  | Cutting management will reduce bracken and scrub cover.                                                                                                                                                                                                              |
| E                             | Combined cover of species indicative of suboptimal                                                                                                                                                                                                                                                                   | Yes      | All neutral grassland to                       | N/A                                                                                                                     | N/A                  | Avoidance of cutting when ground is wet/damp or use strimming equipment.                                                                                                                                                                                             |

| Condition Assessment Criteria |                                                                                                                                                                                                                                                                                                                                        | Targeted | Relevant<br>Parcels   | Creation approach | Enhancement Approach | Management Approach                                                                                                                             |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------|-------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|                               | condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging activities) accounts for less than 5% of total area.<br><br>If any invasive non-native species (as listed on Schedule 9 of WCA) are present, this criterion is automatically failed. |          | the east of the Site. |                   |                      | Remediation of damaged areas of grassland through supplementary seeding and plug planting.<br><br>Pulling of invasive plant species, as needed. |
| F                             | There are 10 or more vascular plant species per m <sup>2</sup> present, including forbs that are characteristic of the habitat type.<br><br><b>Note – this criterion is essential for achieving Good condition for non-acid grassland types only.</b>                                                                                  | No       | N/A                   | N/A               | N/A                  | N/A                                                                                                                                             |

### 3.3.1 Additional Management Prescriptions: Other Neutral Grassland (Moderate Condition)

- i Litter shall be picked from grasslands and taken offsite, during maintenance visits.

**Table 15: Detailed Management Prescriptions: Other Neutral Grassland (Moderate Condition)**

| Action                          | Relevant<br>Parcels                            | Timing                    | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------|------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Creation of neutral grasslands. | All neutral grassland to the east of the Site. | Year 0 (Spring or Autumn) | Recommended seed mix as per approved Landscape Design.<br><br>The required ground shall be levelled and a seed bed created by harrowing. Once a seed bed is prepared the seed shall be surface sown and broadcast by machine (do not drill). The seed shall not be incorporated or covered to any depth but rolled to firm and obtain good soil/seed contact. Sowing rates shall follow the supplier's recommendation. |

| Action                                   | Relevant<br>Parcels                            | Timing                                          | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------|------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          |                                                |                                                 | The time for sowing must be assessed on site and determined by the soil conditions. Ideally sowing shall take place in autumn or spring but can occur at other times if there is sufficient moisture and warmth – advice shall be sought from the Project Ecologist or Landscape Architect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Establishment of neutral grasslands.     | All neutral grassland to the east of the Site. | Year 1 and if required Year 2 (April to August) | <p>Frequent cutting of grasslands in Year 1 and if required Year 2, to suppress grasses and encourage indicator species establishment.</p> <p>Cutting operations of grasslands shall comprise:</p> <ul style="list-style-type: none"> <li>Approximately 6x to 8x cuts shall be undertaken when the soil is relatively dry between April to August.</li> <li>Cutting by mower or by strimming to prevent ground damage (such as where the ground is wet/damaged).</li> <li>Litter and debris shall be removed prior to each cut.</li> <li>Arisings shall be removed from Site or located within an appropriate area as agreed by the Project Ecologist and Landowner/Land Manager.</li> </ul> <p>Undertake establishment cutting in Year 2 if necessary.</p>                                                                 |
| Long-term cutting of neutral grasslands. | All neutral grassland to the east of the Site. | Years 2-30 (late August/September)              | <p>Long-term cutting operations of moderate condition neutral grasslands shall comprise:</p> <ul style="list-style-type: none"> <li>One annual cut shall be undertaken, in late August/September.</li> <li>Cutting by mower or by strimming to prevent ground damage (such as where the ground is wet/damaged).</li> <li>Litter and debris shall be removed prior to each cut.</li> <li>Arisings shall be raked and removed from site or located within an appropriate area designated by the Project Ecologist and Landowner/Land Manager.</li> </ul> <p>20% of the sward area shall be cut once monthly between April to September to maintain a consistent sward height of lower than 7cm. The 80% remainder of the sward height shall be managed as tall sward with one cut in August/September as specified above.</p> |

| Action                                   | Relevant<br>Parcels                            | Timing                              | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------|------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          |                                                |                                     | <p>The removal of arisings following each cut shall be treated as a primary management objective. This measure is essential to prevent nutrient enrichment of the sward and the dominance of weeds and aggressive grasses.</p> <p>Cutting shall be undertaken across all grassland areas, to ensure the continuity of good management and minimise the encroachment of scrub, bracken, undesirable weeds and invasive plant species.</p> <p>Regular cutting management along the route of the public right of way shall be undertaken to allow continuous pedestrian access (Appendix 1).</p> |
| Control of undesirable weeds.            | All neutral grassland to the east of the Site. | Years 1-30 (April to August)        | Undesirable weeds shall be treated through hand pulling only, no herbicide permitted. Scope and targets for the control of undesirable weeds shall be informed following each monitoring period.                                                                                                                                                                                                                                                                                                                                                                                              |
| Control of invasive plant species.       | All neutral grassland to the east of the Site. | Years 1-30 (April to September)     | Where invasive plant species are identified following monitoring periods, the Project Ecologist shall devise a bespoke remedial strategy for the eradication or control of the specific invasive plant species in question. The remedial strategy shall be implemented in full by the Landowner/Land Manager.                                                                                                                                                                                                                                                                                 |
| Supplementary seeding and plug planting. | All neutral grassland to the east of the Site. | Years 1-30 (April/May or September) | Any disturbance/damage to grasslands caused by machinery, vehicle or pedestrian damage etc. shall be remedied by the restoration of the seed bed and over-sowing of the prescribed seed mix. Plug planting shall be utilised where the affected ground cannot be returned to bare earth. Scope and targets for supplementary seeding and plug planting shall be informed following each monitoring period.                                                                                                                                                                                    |

### 3.4 Target Habitat Condition and Management Prescriptions for Other Broadleaf Woodland (Moderate Condition)

Table 16 Target Habitat Condition: Other Broadleaf Woodland (Moderate Condition)

| Condition Assessment Criteria |                                                                                       | Targeted Score | Relevant Parcels                         | Creation approach                                                | Enhancement Approach | Management Approach                                                                                                                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------|----------------|------------------------------------------|------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A                             | Three age classes present                                                             | 1              | In the southeast near the Site boundary. | N/A                                                              | N/A                  | One age class is considered realistic during the management period.                                                                                                                                                                     |
|                               | Two age classes present                                                               |                |                                          |                                                                  |                      |                                                                                                                                                                                                                                         |
|                               | One age class present                                                                 |                |                                          |                                                                  |                      |                                                                                                                                                                                                                                         |
| B                             | No significant browsing damage evident in woodland                                    | 2              | In the southeast near the Site boundary. | N/A                                                              | N/A                  | Potential for browsing/tree damage by grey squirrels due to adjacent established woodland as a receptor.<br><br>Replacement of failed specimens to planting specification if damaged by herbivores, informed by monitoring inspections. |
|                               | Evidence of significant browsing pressure is present in 40% or less of whole woodland |                |                                          |                                                                  |                      |                                                                                                                                                                                                                                         |
|                               | Evidence of significant browsing pressure is present in 40% or more of whole woodland |                |                                          |                                                                  |                      |                                                                                                                                                                                                                                         |
| C                             | No invasive species present in woodland                                               | 3              | In the southeast near the Site boundary. | N/A                                                              | N/A                  | Appropriate control of invasive plant species, informed by monitoring inspections.                                                                                                                                                      |
|                               | Rhododendron or cherry laurel not present, other invasive species <10% cover          |                |                                          |                                                                  |                      |                                                                                                                                                                                                                                         |
|                               | Rhododendron or laurel present, or other invasive species) 10% cover                  |                |                                          |                                                                  |                      |                                                                                                                                                                                                                                         |
| D                             | Five or more native tree or shrub species found across woodland parcel                | 3              | In the southeast near                    | 5+ native species planting mix as per approved Landscape Design. | N/A                  | Replacement of failed specimens to planting specification to maintain native tree and shrub species diversity.                                                                                                                          |

| Condition Assessment Criteria |                                                                                                                                         | Targeted Score | Relevant Parcels                         | Creation approach                                                | Enhancement Approach | Management Approach                                                                                            |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------|------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------|
|                               | Three to four native tree or shrub species found across woodland parcel                                                                 |                | the Site boundary.                       |                                                                  |                      |                                                                                                                |
|                               | Two or less native tree or shrub species present across woodland parcel                                                                 |                |                                          |                                                                  |                      |                                                                                                                |
| E                             | >80% of canopy trees and >80% of understorey shrubs are native                                                                          | 3              | In the southeast near the Site boundary. | 5+ native species planting mix as per approved Landscape Design. | N/A                  | Replacement of failed specimens to planting specification to maintain native tree and shrub species diversity. |
|                               | 50 – 80% of canopy trees and 50-80% of understorey shrubs are native                                                                    |                |                                          |                                                                  |                      |                                                                                                                |
|                               | <50% of canopy trees and <50% understorey shrubs are native                                                                             |                |                                          |                                                                  |                      |                                                                                                                |
| F                             | 10-20% of woodland has areas of temporary open space.                                                                                   | 3              | In the southeast near the Site boundary. | Planting mix and density as per approved Landscape Design.       | N/A                  | Replacement of failed specimens to planting specification to maintain tree and shrub cover.                    |
|                               | Unless woodland <10ha in which case 0-20% temporary open space is permitted.                                                            |                |                                          |                                                                  |                      |                                                                                                                |
|                               | 21-40% of woodland has areas of temporary open space                                                                                    |                |                                          |                                                                  |                      |                                                                                                                |
| G                             | All three classes present in woodland; trees 4-7cm Diameter at Breast Height (DBH), saplings and seedlings or advanced coppice regrowth | 2              | In the southeast near the Site boundary. | N/A                                                              | N/A                  | Some regeneration expected during the management period, due to seed sources from nearby established woodland. |

| Condition Assessment Criteria |                                                                                                                         | Targeted Score | Relevant Parcels                         | Creation approach                                                                    | Enhancement Approach | Management Approach                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------|--------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------|
|                               | One or two classes only present in woodland                                                                             |                |                                          |                                                                                      |                      |                                                                                               |
|                               | No classes or coppice regrowth present in woodland                                                                      |                |                                          |                                                                                      |                      |                                                                                               |
| H                             | Tree mortality less than 10%, no pests or diseases and no crown dieback                                                 | 3              | In the southeast near the Site boundary. | N/A                                                                                  | N/A                  | Replacement of dead trees due to disease/pests as per approved Landscape Design.              |
|                               | 11% to 25% mortality and/or crown dieback or low risk pest or disease present                                           |                |                                          |                                                                                      |                      |                                                                                               |
|                               | Greater than 25% tree mortality and or any high risk pest or disease present                                            |                |                                          |                                                                                      |                      |                                                                                               |
| I                             | Recognisable NVC plant community at ground layer present, strongly characterised by ancient woodland flora specialists. | 1              | In the southeast near the Site boundary. | N/A                                                                                  | N/A                  | N/A                                                                                           |
|                               | Recognisable NVC plant community at ground layer present                                                                |                |                                          |                                                                                      |                      |                                                                                               |
|                               | No recognisable NVC plant community at ground layer present.                                                            |                |                                          |                                                                                      |                      |                                                                                               |
| J                             | Three or more storeys across all survey plots or a complex woodland.                                                    | 2              | In the southeast near                    | Tree and shrub planting mix as per approved Landscape Design, to create two storeys. | N/A                  | Replacement of failed specimens to planting specification to maintain canopy and shrub layer. |

| Condition Assessment Criteria |                                                                                                                                                                                                      | Targeted Score | Relevant Parcels                         | Creation approach | Enhancement Approach | Management Approach                                                                       |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------|-------------------|----------------------|-------------------------------------------------------------------------------------------|
|                               | Two storeys across all survey plots                                                                                                                                                                  |                | the Site boundary.                       |                   |                      |                                                                                           |
|                               | One of less storey across all survey plots                                                                                                                                                           |                |                                          |                   |                      |                                                                                           |
| K                             | Two of more veteran per hectare                                                                                                                                                                      | 1              | In the southeast near the Site boundary. | N/A               | N/A                  | It will not be possible to create veteran trees within the management period.             |
|                               | One veteran tree per hectare                                                                                                                                                                         |                |                                          |                   |                      |                                                                                           |
|                               | No veteran trees present in woodland                                                                                                                                                                 |                |                                          |                   |                      |                                                                                           |
| L                             | 50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or stems and stumps, or an abundance of small cavities.                         | 1              | In the southeast near the Site boundary. | N/A               | N/A                  | Limited potential for deadwood given narrow and minor extent of proposed woodland strips. |
|                               | Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or steams, stubs and stumps, or an abundance of small cavities. |                |                                          |                   |                      |                                                                                           |
|                               | Less than 25% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or steams, stubs and stumps, or an abundance of small cavities.       |                |                                          |                   |                      |                                                                                           |

| Condition Assessment Criteria |                                                                                                                                   | Targeted Score | Relevant Parcels                         | Creation approach | Enhancement Approach | Management Approach                                                                                                                                                                                          |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------|-------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M                             | No nutrient enrichment or damaged ground evident                                                                                  | 3              | In the southeast near the Site boundary. | N/A               | N/A                  | Although there is a public right of way through the Site, limited woodland disturbance is predicted given the distal locations of existing residential development and likely low footfall through the Site. |
|                               | Less than 1 hectare in total of nutrient enrichment across woodland area and or less than 20% of woodland area has damaged ground |                |                                          |                   |                      |                                                                                                                                                                                                              |
|                               | More than 1 hectare of nutrient enrichment and or more than 20% of woodland area has damaged ground                               |                |                                          |                   |                      |                                                                                                                                                                                                              |

### 3.4.1 Additional Management Prescriptions: Other Broadleaf Woodland (Moderate Condition)

- i Litter shall be picked from woodlands and taken offsite, during maintenance visits.
- ii Tree and shrub pruning works shall not be undertaken during the bird nesting season (generally recognised as March to August inclusive).
- iii Retained woodland shall be managed with minimal intervention to maintain current moderate condition, as described in the detailed prescriptions below.

**Table 17: Detailed Management Prescriptions: Other Broadleaved Woodland (Moderate Condition)**

| Action                                                         | Relevant Parcels                         | Timing                        | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------|------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Woodland planting – trees and shrubs.                          | In the southeast near the Site boundary. | Year 0 (November to February) | <p>Recommended tree and shrub mix as per approved Landscape Design.</p> <p>Tree/shrubs shall be planted randomly – no grouping. Plant each tree/shrub upright within a slit, carefully replacing any backfill and heel well in. Water to field capacity. Stake trees/shrubs with canes and protect with spiral wraps or plastic tree guards. Mulch to 75mm depth.</p> <p>Planting to allow for the the route of the public right of way shall be undertaken to allow continuous pedestrian access (Appendix 1).</p> |
| Establishment period – woodland trees and shrubs (five years). | In the southeast near                    | Years 1-6                     | A minimum of two maintenance visits shall be made annually during each establishment year in spring and autumn.                                                                                                                                                                                                                                                                                                                                                                                                     |

| Action                                                                     | Relevant<br>Parcels                      | Timing                          | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------|------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                            | the Site boundary.                       |                                 | <p>Any failures in planting, defects due to materials or workmanship not in accordance with the Contract shall be rectified, excluding theft or malicious damage. Failed trees and shrubs shall be replaced with the equivalent plants after completion; replacements to either match the size of adjacent or nearby plants of same species or match the original specification, whichever is the greater.</p> <p>All failures must be made good during the planting season/or the next planting season.</p> <p>The following works shall be undertaken to trees and shrubs during the establishment period:</p> <ul style="list-style-type: none"> <li>• Top up total cover of mulch to specified depth annually in March.</li> <li>• Water all new trees/shrubs in the growing season during April to September as necessary to ensure effective establishment and growth.</li> <li>• Replace failed trees/shrubs to specified requirements during November to February.</li> <li>• Maintain a weed free area around each trees/shrub during the growing season April to September - diameter (minimum): the larger of 0.5m or the surface of original planting pit.</li> <li>• Gently firm loosened soil around trees/shrubs, straighten leaning trees/shrubs.</li> <li>• Tree/shrub accessories: Check the condition of stakes/canes and wraps/guards. Replace broken or missing items. Re-firm loose stakes/canes in the ground or replace as necessary to provide support to the tree/shrub. Stakes/canes and wraps/guards to be removed when the trees/shrubs are fully established (once the plant is a sufficient size to withstand browsing pressure).</li> <li>• Weed Control: Mulch will initially control weed growth around the new trees/shrubs. As this becomes incorporated into the soil further clearance may be necessary between trees/shrubs shall be carried out by hand pulling. Base of tree/shrub to be kept weed/grass free.</li> <li>• Remove windblown litter and other rubbish.</li> </ul> |
| Control of invasive plant species (including non-native trees and shrubs). | In the southeast near the Site boundary. | Years 1-30 (April to September) | Where invasive plant species are identified, the Project Ecologist shall devise a bespoke remedial strategy for the eradication or control of the specific invasive plant species in question. The remedial strategy shall be implemented in full by the Land Manager/Landowner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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| Action                                  | Relevant<br>Parcels                      | Timing                          | Prescriptions                                                                                                                                                                                      |
|-----------------------------------------|------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Replacement of failed trees and shrubs. | In the southeast near the Site boundary. | Years 1-30 (April to September) | Failed trees and shrubs within woodlands shall be replaced to the planting specification to maintain the ecological condition and integrity of these habitats, informed by monitoring inspections. |

### 3.5 Target Habitat Condition and Management Prescriptions for Rural Trees (Moderate and Poor Condition)

Table 18 Target Habitat Condition: Rural Trees (Moderate and Poor Condition)

| Condition Assessment Criteria |                                                                                                                                                                                                                                                                                         | Targeted | Relevant<br>Parcels | Creation approach                                        | Enhancement Approach | Management Approach                                                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|----------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A                             | The tree is a native species (or more than 70% within the block are native species).                                                                                                                                                                                                    | Yes      | All new trees.      | Native species planted as per approved Landscape Design. | N/A                  | Replacement of failed specimens to planting specification.                                                                                                    |
| B                             | The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide (individual trees automatically pass this criterion).                                                                                         | Yes      | All new trees.      | Individual trees automatically pass this criterion.      | N/A                  | N/A                                                                                                                                                           |
| C                             | The tree is mature (or more than 50% within the block are mature).                                                                                                                                                                                                                      | No       | All new trees.      | N/A                                                      | N/A                  | N/A                                                                                                                                                           |
| D                             | There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity). And there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height. | No       | All new trees.      | N/A                                                      | N/A                  | Allow natural growth of trees with minimal pruning management.<br><br>This criterion is not targeted for trees within the development areas (Poor condition). |
| E                             | Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.                                                                                                                                                     | No       | All new trees.      | N/A                                                      | N/A                  | N/A                                                                                                                                                           |

| Condition Assessment Criteria |                                                                          | Targeted | Relevant<br>Parcels | Creation approach                                                                                                                                     | Enhancement Approach | Management Approach                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------|----------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| F                             | More than 20% of the tree canopy area is oversailing vegetation beneath. | Yes      | All new trees.      | Creation of neutral grassland as previously described.<br><br>This criterion is not targeted for trees within the development areas (Poor condition). | N/A                  | Management of neutral grassland as previously prescribed.<br><br>This criterion is not targeted for trees within the development areas (Poor condition). |

### 3.5.1 Additional Management Prescriptions: Rural Trees (Moderate and Poor Condition)

- i Tree pruning works shall not be undertaken during the bird nesting season (generally recognised as March to August inclusive).
- ii Retained rural trees shall be managed with minimal intervention to maintain current good condition, as described in the detailed prescriptions below.

**Table 19: Detailed Prescriptions: Rural Trees (Moderate Condition)**

| Action                         | Relevant<br>Parcels | Timing                         | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------|---------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tree planting – planting pits. | All new trees.      | Year 0 (November to February). | <p>Individual tree pits shall be dug to be of dimensions sufficient to contain the root ball with an additional 5cm around for backfill material. Loosen the base and mix excavated material with manure to fill the bottom of the trench only, the remainder of the trench to be filled with excavated material with no manure. Excavate the pit bottoms with a slightly raised centre to spade depth. Scarify the pit sides. Place tree with roots spread throughout the pit with the good side of the plant facing to the front.</p> <p>For support, install a single vertical stake on the windward side, close to the tree position, driven in at least 300mm into bottom of pit. Secure the tree firmly but not rigidly to the stake within 25mm of the top of the stake with a tie. Prevent the tree from touching the stake using spacer blocks or cushions if required. Fasten the tie to the stake using galvanised nails to BS1202-1.</p> <p>Backfill and firm down. Install growth tubes around each tree. Water to field capacity. Mulch to 75mm depth around each tree. If mulching is insufficient weed control, additional control can be carried out by periodic herbicide spraying at intervals to be agreed with the Landowner/Land Manager.</p> <p>Planting to allow for the route of the public right of way shall be undertaken to allow continuous pedestrian access (Appendix 1).</p> |

| Action                                     | Relevant<br>Parcels | Timing    | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------|---------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Establishment period – trees (five years). | All new trees.      | Years 1-5 | <p>A minimum of two maintenance visits shall be made annually during each establishment year in spring and autumn.</p> <p>Any failures in planting, defects due to materials or workmanship not in accordance with the Contract shall be rectified, excluding theft or malicious damage. Failed trees shall be replaced with the equivalent trees after completion; replacements to either match the size of adjacent or nearby plants of same species or match the original specification, whichever is the greater.</p> <p>All failures must be made good during the planting season/or the next planting season.</p> <p>Precautions: Ensure that trees are not damaged using mowers, nylon filament rotary cutters and similar powered tools during maintenance activities.</p> <p>The following works shall be undertaken to trees during the establishment period:</p> <ul style="list-style-type: none"> <li>• Top up total cover of mulch to specified depth annually in March;</li> <li>• Water all new trees in the growing season during April to September as necessary to ensure effective establishment and growth;</li> <li>• Replace failed trees to specified requirements during November to February;</li> <li>• Maintain a weed free area around each tree during the growing season April to September - diameter (minimum): the larger of 1m or the surface of original planting pit;</li> <li>• Gently firm loosened soil around trees, straighten leaning trees;</li> <li>• Tree accessories: Check the condition of stakes, ties, guys, guards. Replace broken or missing items. Re-firm loose stakes in the ground or replace as necessary to provide support to the tree. Adjust ties to accommodate growth and prevent constriction or abrasion. If bark damage has occurred cut back neatly with sharp knife and adjust to prevent further damage. Stakes, ties and guards to be removed when the trees are fully established (once the tree is a sufficient size to withstand browsing pressure);</li> <li>• If necessary, prune to promote healthy growth and natural shape; removing dead, dying, diseased wood and suckers during the spring or autumn during the establishment period;</li> <li>• Firm in and straighten any trees loosened and prune out dead, leggy and broken branches, without damage to natural habit of the plant;</li> </ul> |

| Action                                 | Relevant<br>Parcels | Timing                            | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        |                     |                                   | <ul style="list-style-type: none"> <li>• Weed Control: Mulch will initially control weed growth around the new trees. As this becomes incorporated into the soil further clearance may be necessary between trees shall be carried out by hand pulling. Base of tree to be kept weed/grass free;</li> <li>• Remove windblown litter and other rubbish;</li> <li>• Control pests and diseases as necessary.</li> </ul> |
| Pruning regimes – trees.               | All new trees.      | Years 1-30 (November to February) | <p>Allow the natural growth and spread of new trees with minimal management, where this does not conflict with access, safety or the operational functionality of the Site.</p> <p>This is not specifically targeted for trees within the development areas (Poor condition).</p>                                                                                                                                     |
| Replacement of dead trees.             | All new trees.      | Years 1-30 (November to February) | <p>During the operational phase, dead trees shall be replaced to planting specification to maintain the ecological condition and integrity of these habitats, informed by monitoring inspections.</p>                                                                                                                                                                                                                 |
| Management of under canopy vegetation. | All new trees.      | Years 1-30                        | <p>Management of neutral grassland as previously prescribed.</p> <p>This is not targeted for trees within the development areas (Poor condition).</p>                                                                                                                                                                                                                                                                 |

### 3.6 Target Habitat and Condition and Management Prescriptions for Mixed Scrub (Moderate Condition)

Table 20 Target Habitat and Condition: Mixed Scrub (Moderate Condition)

| Condition Assessment Criteria |                                                                                                                                                                                                                                                                                                                                                                                                   | Targeted | Relevant<br>Parcels                             | Creation approach                                      | Enhancement Approach | Management Approach                                          |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------|--------------------------------------------------------|----------------------|--------------------------------------------------------------|
| A                             | <p>The parcel represents a good example of its habitat type – the appearance and composition of the vegetation closely matches its UKHab description (where in its natural range).</p> <ul style="list-style-type: none"> <li>At least 80% of scrub is native,</li> <li>There are at least three native woody species,</li> </ul> <p>No single species comprising more than 75% of the cover.</p> | Yes      | Along the southern and eastern Site boundaries. | 3+ native species as per approved Landscape Design.    | N/A                  | Replacement of failed specimens to planting specification.   |
| B                             | Seedlings, saplings, young shrubs and mature (or ancient or veteran) shrubs are all present.                                                                                                                                                                                                                                                                                                      | No       | N/A                                             | N/A                                                    | N/A                  | N/A                                                          |
| C                             | There is an absence of invasive non-native species (as listed on Schedule 9 of WCA) and species indicative of suboptimal condition make up less than 5% of ground cover.                                                                                                                                                                                                                          | Yes      | Along the southern and eastern Site boundaries. | N/A                                                    | N/A                  | Pulling and/or control of invasive plant species, as needed. |
| D                             | The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.                                                                                                                                                                                                                                                          | Yes      | Along the southern and eastern Site boundaries. | Creation of neutral grassland as previously described. | N/A                  | Management of neutral grassland as previously prescribed.    |

| Condition Assessment Criteria |                                                                                           | Targeted | Relevant<br>Parcels                         | Creation approach                               | Enhancement Approach | Management Approach                                          |
|-------------------------------|-------------------------------------------------------------------------------------------|----------|---------------------------------------------|-------------------------------------------------|----------------------|--------------------------------------------------------------|
| E                             | There are clearings, glades or rides present within the scrub, providing sheltered edges. | Yes      | Blackthorn along the eastern Site boundary. | Managed extension of existing blackthorn scrub. | N/A                  | Sections cleared on a rotational basis to produce clearings. |

#### Additional Management Prescriptions: Mixed Scrub (Moderate Condition)

- i Scrub pruning works shall not be undertaken during the bird nesting season (generally recognised as March to August inclusive).
- ii Litter shall be picked from scrub and taken offsite, during maintenance visits.

**Table 21: Detailed Prescriptions: Mixed Scrub (Moderate Condition)**

| Action                                        | Relevant<br>Parcels                             | Timing                        | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shrub planting – planting pits.               | Along the southern and eastern Site boundaries. | Year 0 (November to February) | <p>Prior to planting, remove all debris and stones over 50mm diameter within the planting area. Carry out weed control as necessary.</p> <p>Specimens shall be planted randomly – no grouping. Plant each shrub upright within a slit, carefully replacing any backfill and heel well in. Water to field capacity. Stake shrubs with canes and protect with spiral wraps or plastic tree guards. Mulch to 75mm depth.</p> <p>Planting to allow for the route of the public right of way shall be undertaken to allow continuous pedestrian access (Appendix 1).</p>                                                                                                                                                 |
| Establishment period for shrubs (five years). | Along the southern and eastern Site boundaries. | Years 1-5                     | <p>A minimum of two maintenance visits shall be made annually during each establishment year in spring and autumn.</p> <p>Any failures in planting, defects due to materials or workmanship not in accordance with the Contract shall be rectified, excluding theft or malicious damage. Failed shrubs shall be replaced with the equivalent plants after completion; replacements to either match the size of adjacent or nearby plants of same species or match the original specification, whichever is the greater.</p> <p>All failures must be made good during the planting season/or the next planting season.</p> <p>The following works shall be undertaken to shrubs during the establishment period:</p> |

| Action                                                                     | Relevant<br>Parcels                             | Timing                            | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                            |                                                 |                                   | <ul style="list-style-type: none"> <li>• Top up total cover of mulch to specified depth annually in March;</li> <li>• Water all new shrubs in the growing season during April to September as necessary to ensure effective establishment and growth;</li> <li>• Replace failed shrubs to specified requirements during November to February;</li> <li>• Maintain a weed free area around each shrub during the growing season April to September - diameter (minimum): the larger of 0.5m or the surface of original planting pit;</li> <li>• Gently firm loosened soil around shrubs, straighten leaning shrubs;</li> <li>• Shrub accessories: Check the condition of canes and wraps/guards. Replace broken or missing items. Re-firm loose canes in the ground or replace as necessary to provide support to the shrub. Canes and wraps/guards to be removed when the shrubs are fully established (once the shrub is a sufficient size to withstand browsing pressure);</li> <li>• Weed Control: Mulch will initially control weed growth around the new shrubs. As this becomes incorporated into the soil further clearance may be necessary between trees/shrubs shall be carried out by hand pulling. Base of shrub to be kept weed/grass free;</li> <li>• Remove windblown litter and other rubbish;</li> <li>• Control pests and diseases as necessary.</li> </ul> |
| Control of invasive plant species (including non-native trees and shrubs). | Along the southern and eastern Site boundaries. | Years 1-30 (April to September)   | Where invasive plant species are identified, the Project Ecologist shall devise a bespoke remedial strategy for the eradication or control of the specific invasive plant species in question. The remedial strategy shall be implemented in full by the Landowner and Land Manager.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Replacement of failed shrubs.                                              | Along the southern and eastern Site boundaries. | Years 6-30 (November to February) | Failed shrubs shall be replaced with native species to planting specification to maintain the ecological condition and integrity of these habitats, informed by monitoring inspections.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### 3.7 Target Habitat Condition and Management Prescriptions for Native Hedgerows (Moderate/Good Condition) – Existing Hedgerows Only

- i Existing hedgerows have not been specifically targeted for enhancement within the supporting Biodiversity Impact Assessment, however Moderate/Good condition will be targeted to improve the screening functionality and biodiversity value of the hedgerows.

**Table 22 Target Habitat Condition: Native Hedgerows (Moderate/Good Condition)**

| Condition Assessment Criteria |                                                                                                                                                                                                                                        | Targeted | Relevant Features   | Creation approach | Enhancement Approach | Management Approach                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|-------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A1                            | Height<br>>1.5m average along length.                                                                                                                                                                                                  | Yes      | Existing hedgerows. | N/A               | N/A                  | Hedgerows will be managed to a minimum height of 2m.                                                                                                           |
| A2                            | Width<br>>1.5m average along length.                                                                                                                                                                                                   | Yes      | Existing hedgerows. | N/A               | N/A                  | Hedgerows will be managed to a minimum width of 2m.                                                                                                            |
| B1                            | Gap – hedge base<br>Gap between ground and base of canopy <0.5m for >90% of length.                                                                                                                                                    | Yes      | Existing hedgerows. | N/A               | N/A                  | Low intensity hedgerow management to provide full and dense vertical canopy structures.                                                                        |
| B2                            | Gap – hedgerow canopy continuity<br>Gaps make up <10% of total length; and no canopy gaps >5m.                                                                                                                                         | Yes      | Existing hedgerows. | N/A               | N/A                  | Low intensity hedgerow management to provide full and dense horizontal canopy structures.<br>Replacement of failed trees and shrubs to planting specification. |
| C1                            | Undisturbed ground and perennial vegetation<br>>1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:<br><ul style="list-style-type: none"> <li>measured from outer edge of hedgerow, and</li> </ul> | Yes      | Existing hedgerows. | N/A               | N/A                  | Management of neutral grasslands as previously prescribed.                                                                                                     |

| Condition Assessment Criteria |                                                                                                                                                                                                              | Targeted | Relevant Features   | Creation approach | Enhancement Approach | Management Approach                                                                                                                 |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|-------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
|                               | <ul style="list-style-type: none"> <li>is present on one side of the hedge (at least)</li> </ul>                                                                                                             |          |                     |                   |                      |                                                                                                                                     |
| C2                            | Nutrient-enriched perennial vegetation<br><br>Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.                                                | No       | Existing hedgerows. | N/A               | N/A                  | N/A                                                                                                                                 |
| D1                            | Invasive and neophyte species<br><br>>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA) and recently introduced species. | Yes      | Existing hedgerows. | N/A               | N/A                  | Appropriate control of invasive plant species, informed by monitoring inspections.                                                  |
| D2                            | Current damage<br><br>>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.                                                                                               | Yes      | Existing hedgerows. | N/A               | N/A                  | Replacement of failed trees and shrubs to planting specification.<br><br>Management of neutral grasslands as previously prescribed. |

### 3.7.1 Additional Management Prescriptions: Native Hedgerows (Moderate/Good Condition)

- ii Litter shall be picked from hedgerows and taken offsite, during maintenance visits.
- iii Management works to hedgerows shall not be undertaken during the bird nesting season (generally recognised as March to August inclusive). Hedgerows shall be cut during January or February wherever possible to reduce the removal of berry crop overwintering food sources.

Table 23: Detailed Management Prescriptions: Native Hedgerows (Moderate/Good Condition)

| Action                                           | Relevant<br>Parcels | Timing                             | Prescriptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------|---------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Long-term management of existing hedgerows.      | Existing hedgerows. | Years 1-30 (November to February)  | <p>Management works to hedgerows shall not be undertaken during the bird nesting season (generally) recognised as March to August inclusive. Hedgerows shall be cut during January or February wherever possible to reduce the removal of berry crop overwintering food sources.</p> <p>Hedgerows shall be cut using the following methods:</p> <ul style="list-style-type: none"> <li>• Allow hedgerows to grow to a 2m height prior to cutting and maintain at that height, wherever possible cutting the canopy into an A-shape.</li> <li>• Cutting of hedgerows shall be undertaken to current best practice arboricultural methods (BS 3998:2012) ensuring clean and neat cut faces with no jagged ends, tears or scars. Wherever possible, tractor mounted rotary saws shall be used over flails.</li> <li>• Cut hedgerows bi-annually wherever possible.</li> <li>• Bushy basal growth shall be promoted to enhance screening functionality and biodiversity benefits.</li> <li>• Maintain newly planted sections as weed free by herbicide application/hand weeding as appropriate during the growing season. Remove dead weed arisings.</li> <li>• Remove windblown litter and other rubbish.</li> <li>• Prune shrubs as appropriate for the species to promote healthy bushy growth, flowering and stem effect.</li> <li>• Prune back long stems encroaching on paths and hard surfaces as necessary.</li> <li>• Control pests and diseases as necessary.</li> <li>• Replace senescent plants or areas of failed plants to specified requirements as necessary to maintain effective hedgerow canopy cover.</li> </ul> |
| Maintenance of hedgerow grassland margins.       | Existing hedgerows. | Years 1-30 (late August/September) | Neutral grassland margins shall be created and managed as previously prescribed up to and along all hedgerows to maintain vegetated margins that are free from ruderal weeds, invasive plant species and damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Replacement of failed hedgerow trees and shrubs. | Existing hedgerows. | Years 1-30 (November to February)  | See prescriptions for mixed scrub.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### **3.8 Habitat Creation and Management – Risk Register and Remedial Measures**

- i The site-wide risk register associated with creating, enhancing and managing each habitat type within the Site is provided in Table 27, setting out remedial measures where management prescriptions do not deliver the necessary habitat conditions as expected.

Table 24: Habitat Creation and Management – Risk Register and Remedial Measures

| Habitat Type                                        | Risk Factor                                                                            | Trigger for Action                                                                                                                                                              | Remedial Measure                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Neutral/Modified Grasslands.                        | Grassland swards failing to establish.                                                 | Greater than 5% of total grassland areas failing to establish.                                                                                                                  | Supplementary seeding and plug planting to specification. Consider changing seed mix if local conditions may be affecting sward establishment i.e. climatic conditions, soil chemistry.                                                                                                     |
| Neutral/Modified Grasslands.                        | Increasing cover of undesirable weed species (i.e. docks, thistles, ragwort, nettles). | Undesirable weeds cover greater than 10% of total grassland areas.                                                                                                              | Increase weed control as per the management specifications. Review effectiveness of arisings removal. Changes to cutting frequencies and timings (such as an additional spring cut).                                                                                                        |
| Neutral/Modified Grasslands.                        | Increasing areas of scrub.                                                             | Scrub cover greater than 5% of total grassland areas.                                                                                                                           | Regular annual cutting of grassland to reduce scrub cover.                                                                                                                                                                                                                                  |
| Neutral/Modified Grasslands.                        | Increasing areas of damage and bare ground.                                            | Physical damage cover greater than 5% of total grassland areas.<br><br>Bare ground (including concentrations of rabbit warrens) cover greater than 5% of total grassland areas. | Review use of cutting machinery and timings. Supplementary seeding and plug planting to specification. Identify sources of regular physical damage and apply preventive methods wherever possible.                                                                                          |
| Neutral/Modified Grasslands.                        | Wildflowers becoming less evident in the sward in respect of frequency and density.    | Reduction in % cover of wildflowers compared to previous monitoring visit.                                                                                                      | Review effectiveness of arisings removal. Changes to cutting frequencies and timings. Supplementary overseeding/patch seeding/plug planting to specification. Consider changing seed mix if local conditions may be affecting sward establishment i.e. climatic conditions, soil chemistry. |
| Rural Trees, Line of Trees, Woodland and Hedgerows. | Death or significant decline of shrubs and trees.                                      | Death or decline of shrubs and trees in more than 5% of individual habitat areas.                                                                                               | Replace failed trees and shrubs like for like and to specification. Consider changing tree and shrub species if local conditions may be affecting establishment i.e. climatic conditions, soil chemistry. Control pests                                                                     |

| Habitat Type  | Risk Factor                                                                            | Trigger for Action                                                                                                                                                                       | Remedial Measure                                                                                                                                                                                                                                                                              |
|---------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                                                                                        |                                                                                                                                                                                          | and diseases where possible - pruning of damaged branches if appropriate.                                                                                                                                                                                                                     |
| Hedgerows.    | Mechanical damage to hedgerows and poor hedgerow canopy structure and density.         | Hedgerows minimum 2m+ in height with full and dense horizontal and vertical structures.                                                                                                  | Changes to cutting frequencies, timings and methods. Review and change use of machinery and equipment.                                                                                                                                                                                        |
| All Habitats. | Presence of invasive non-native species.                                               | Any presence of non-native species shall trigger remedial action.                                                                                                                        | Control of invasive non-native species as per the management specifications.                                                                                                                                                                                                                  |
| All Habitats. | Decline/loss of tree/shrub from pests and diseases including new outbreaks.            | Any evidence of pests and diseases likely to threaten tree and shrub health shall trigger remedial action.                                                                               | Follow existing/emerging Forestry Commission control/remedial treatments if appropriate/suitable. Where undertaking replacement planting, plant disease/pest resistant specimens in accordance with biodiversity industry recommendations at the time.                                        |
| All Habitats. | Pollution incidents leading to tree/shrub decline/loss and damage to grassland swards. | Any pollution incident causing, or with the potential to cause, habitat damage shall trigger remedial action.                                                                            | Landscaping contractors/maintenance workers to carry and utilise spill kits, other pollution incidents to be investigated and control measures implemented as appropriate to prevent repeat occurrences. Replacement of trees/shrubs and remediation of damage to grasslands as stated above. |
| All Habitats. | Deterioration of habitat condition because of climate change.                          | Difficult to substantiate, but evidence of habitat condition deterioration i.e. death of specific tree species occurring locally/nationally and thought to be because of climate change. | Where undertaking replacement planting, use mix of trees, shrubs, seed mixes etc resilient to climate change in accordance with biodiversity industry recommendations at the time.                                                                                                            |

## 4 MONITORING SCHEDULE

- i To deliver BNG, a robust strategy is critical to monitor successes and challenges. Routine monitoring informs progress and facilitates the required management plan updates at set intervals.

### 4.1 Monitoring Strategy

- i The monitoring strategy shall be undertaken as set out in Sections 4.2.1 and 4.2.2 to determine whether Site habitats are on target to reach the prescribed target conditions as set out within this HMMP, based on individual condition criteria for the specific habitat type. Methods of monitoring will include a review of management works undertaken and Site surveys including collating species lists and quantitative assessments (including area and cover estimates) to check against prescribed condition criteria. Photographs will be taken during each monitoring visit to document the development of habitats.
- ii Monitoring to be undertaken in Years 1, 3 & 5 (establishment) and then Years 10, 15, 20, 25 & 30 thereafter. This is considered proportionate for the habitats to be created and managed at the Site.

#### 4.1.1 Monitoring Methods and Intervals

iii Details of the methods used to monitor progress towards the habitat condition targets are provided in Table 28.

**Table 25: Monitoring Methods and Intervals**

| Habitat Type(s)            | Monitoring Methods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Monitoring Interval and Timing                                                                                                                                              |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Neutral/Modified Grassland | <p>To be undertaken across all parcels/habitat areas.</p> <p>A review of management practices since last monitoring.</p> <p>Collect a botanical species list across grassland to check against target species list. Undertake quadrat sampling to identify the habitat type that is establishing and then number of species per m<sup>2</sup>.</p> <p>Estimate percentage of bare ground, physical damage, scrub (including bramble) and bracken cover.</p> <p>Estimate percentage variations in sward height (where applicable).</p> <p>Where possible search for potential presence of invasive and non-native plant species (particularly if on Sch. 9 of W&amp;C Act 1981).</p>                                                                                                                                                                                                                                                                                                                             | <p>Years 1, 3 &amp; 5 (establishment).</p> <p>Then Years 10, 15, 20, 25, 30.</p> <p>Surveys to be completed between May and August.</p>                                     |
| Woodlands                  | <p>To be undertaken across all parcels/habitat areas.</p> <p>List number of native tree and shrub species.</p> <p>Estimate the percentage of failed trees and shrubs (to species, where possible).</p> <p>Determine potential sources of tree and shrub failure (i.e. herbivore browsing pressure, grey squirrels, disease), estimate overall percentage of woodland area affected.</p> <p>Estimate percentage cover of open space within woodland.</p> <p>Estimate range of woodland age classes.</p> <p>Estimate range of woodland vertical structure classes.</p> <p>Estimate range of woodland regeneration classes.</p> <p>Estimate percentage cover of deadwood (standing, ground etc).</p> <p>Estimate cover of woodland damage/disturbance (as well as potential sources).</p> <p>Collect a botanical species list of developing woodland herb layer.</p> <p>Where possible search for potential presence of invasive and non-native plant species (particularly if on Sch. 9 of W&amp;C Act 1981).</p> | <p>Years 1, 3 &amp; 5 (establishment).</p> <p>Then Years 10, 15, 20, 25, 30.</p> <p>Surveys to be completed between September to February to avoid bird nesting season.</p> |

| Habitat Type(s)  | Monitoring Methods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Monitoring Interval and Timing                                                                                                                                              |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hedgerows        | <p>To be undertaken across new and enhanced hedgerows.</p> <p>A review of management practices since last monitoring.</p> <p>List number of native tree and shrub species.</p> <p>Estimate the percentage of failed trees and shrubs (to species, where possible).</p> <p>Estimate height and width of hedgerows.</p> <p>Estimate percentage of horizontal gaps along hedgerow.</p> <p>Estimate size gap between ground and base of hedgerow canopy (target &lt;0.5m for &gt;90% of length).</p> <p>Estimate percentage of damage (i.e. from mechanical cutting) along hedgerow.</p> <p>Estimate width of vegetated hedgerow margin and percentage vegetated cover along hedgerow length.</p> <p>Estimate percentage cover of ruderal weeds, disturbed ground and damage along hedgerow margin.</p> <p>Where possible search for potential presence of invasive and non-native plant species (particularly if on Sch. 9 of W&amp;C Act 1981).</p> | <p>Years 1, 3 &amp; 5 (establishment).</p> <p>Then Years 10, 15, 20, 25, 30.</p> <p>Surveys to be completed between September to February to avoid bird nesting season.</p> |
| Individual trees | <p>To be undertaken across all parcels/habitat areas.</p> <p>List number of native tree species.</p> <p>Estimate the percentage of failed trees (to species, where possible).</p> <p>Estimate percentage cover of vegetation beneath tree canopies.</p> <p>Determine whether trees have been allowed to grow naturally (i.e. look for evidence of excessive pruning).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p>Years 1, 3 &amp; 5 (establishment).</p> <p>Then Years 10, 15, 20, 25, 30.</p> <p>Surveys to be completed between September to February to avoid bird nesting season.</p> |

#### 4.1.2 Monitoring Reports

- iv Following completion of habitat creation and initial enhancement works, monitoring reports will be prepared for the Local Planning Authority by the Project Ecologist.

**Table 26: Responsible Organisation for Receiving and Reviewing the Reports**

| Organisation Responsible for Submitting the Monitoring Reports | Organisation Receiving and Responsible for Reviewing Reports |
|----------------------------------------------------------------|--------------------------------------------------------------|
| Suitably Qualified Ecologist.                                  | South Derbyshire District Council.                           |

**Table 27: Monitoring Report Schedule**

| Project Year | Month Report to be Submitted | Month Management Plan to be Reviewed | Comments |
|--------------|------------------------------|--------------------------------------|----------|
| Y1           | By December.                 | By the following March.              | TBC      |
| Y3           | By December.                 | By the following March.              | TBC      |
| Y5           | By December.                 | By the following March.              | TBC      |
| Y10          | By December.                 | By the following March.              | TBC      |
| Y15          | By December.                 | By the following March.              | TBC      |
| Y20          | By December.                 | By the following March.              | TBC      |
| Y25          | By December.                 | By the following March.              | TBC      |
| Y30          | By December.                 | By the following March.              | TBC      |

#### 4.1.3 Adaptive Management

- v The Landowner/Land Manager shall employ a Suitably Qualified Ecologist (SQE) to undertake the monitoring strategy as set out within this HMMP.
- vi The SQE shall produce the Monitoring Reports following each monitoring visit as prescribed within this HMMP. The SQE shall ensure a consistent approach to monitoring and recording even if the named SQE changes, to ensure the data set is comparable year-on-year and thereby the development of habitats to prescribed target conditions can be robustly monitored.
- vii Where significant changes to the management approach have been identified by the SQE (i.e. significant failure of newly planted trees or grassland sward development, presence of invasive plant species), these will be discussed directly with the Landowner/Land Manager with appropriate remedial measures devised, prior to issuing the Monitoring Report. Where necessary and proportionate, site visits will be undertaken between all parties.
- viii The Landowner/Land Manager and persons/organisations responsible for implementing the day-to-day management set out within this HMMP shall be familiarised with the management targets for each habitat and will duly report to the SQE constraints, challenges, issues and opportunities in meeting the said targets, to allow for iterative changes to the management approach as well as to inform Monitoring Reports.
- ix All Monitoring Reports will be duly issued by the SQE to the Landowner/Land Manager and Local Planning Authority for comment.

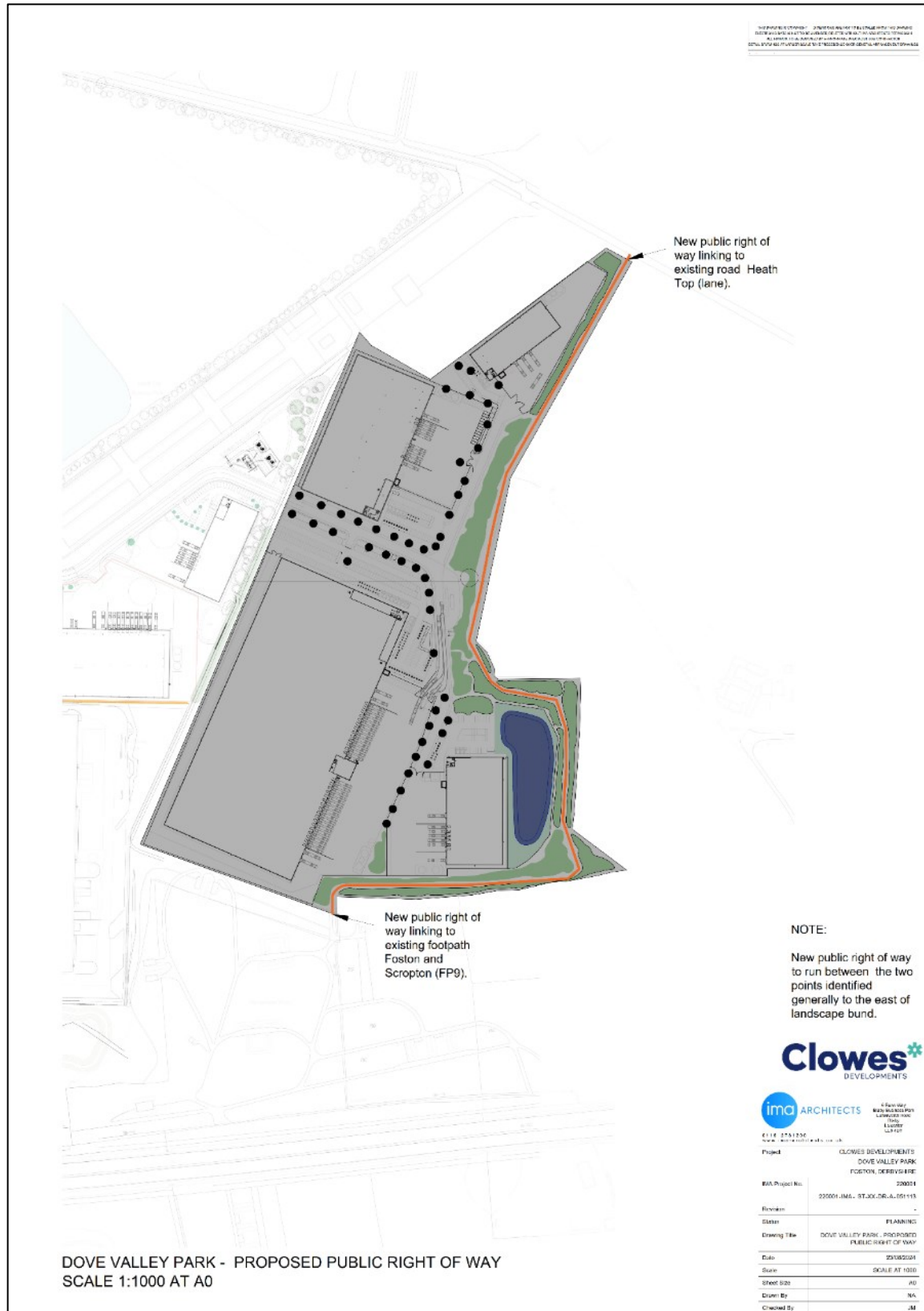
- x       Where changes to existing management prescriptions are recommended following monitoring visits and/or comment from the Local Planning Authority, the SQE shall duly update the HMMP to reflect the agreed changes to the management approach and targets. Such changes shall be clearly explained by the SQE to the Landowner/Land Manager and persons/organisations responsible for implementing the day-to-day management, utilising site visits where necessary and proportionate. The SQE shall also adapt the monitoring strategy as appropriate to assess the efficacy of changes to the management approach. The amended HMMP shall be duly issued to the Landowner/Land Manager and Local Planning Authority by the SQE.
- xi      The efficacy of changes to the management approach shall be reported by the SQE following the subsequent agreed monitoring visits, following the process described above.

## 5 REFERENCES

CIRIA (2019). CIRIA C776a. Biodiversity Net Gain. Good Practice Principles for Development. A practical Guide. Available at: <https://cieem.net/wp-content/uploads/2019/02/C776a-Biodiversity-net-gain.-Good-practice-principles-for-development.-A-practical-guide-web.pdf>. [Accessed 07/03/2025].

Natural England (2023) Habitat Management and Monitoring Plan Template 1.0, DOX, 1.69.7 kB. Available at <https://publications.naturalengland.org.uk/file/5212309912551424> [accessed 03/04/2025].

## 6 APPENDIX 1 – PROPOSED PUBLIC RIGHT OF WAY AND LANDSCAPE PROPOSALS



## 7 APPENDIX 2: LANDSCAPE PLANS (INCLUDING PLANTING MIXES)

Plot 11, Dove Valley Park . Landscape Proposals

| PLANT SCHEDULE    |                            |         |           |      |          |       |        |      |
|-------------------|----------------------------|---------|-----------|------|----------|-------|--------|------|
| SPECIES           |                            | Girth   | Height    | Root | Pot Size | Habit | Breaks | Nos. |
| TREES             |                            |         |           |      |          |       |        |      |
| T1                | Acer campestre             | 10-12cm | 3.0-3.5mm | br   | SS1d     |       |        | 82   |
| T2                | Prunus padus               | 10-12cm | 3.0-3.5mm | br   | SS1d     |       |        | 18   |
| T3                | Malus sylvestris           | 10-12cm | 3.0-3.5mm | br   | SS1d     |       |        | 30   |
| T4                | Qeurecus robur             | 10-12cm | 3.0-3.5mm | br   | SS1d     |       |        | 91   |
| T5                | Tilia cordata 'Greenspire' | 14-16cm | 4.0-4.5m  | br   | EHStd    |       |        | 42   |
| T6                | Sorbus 'Cardinal Royal'    | 14-16cm | 4.0-4.5m  | br   | EHStd    |       |        | 11   |
| SHRUBS            |                            |         |           |      |          |       |        |      |
| Cs                | Cornus sanguinea           |         | 45-60cm   | br   |          |       |        | 153  |
| LM                | Lonicera 'Maygreen'        |         |           | CG   | 3LT      |       |        | 216  |
| PMV               | Prunus 'Mount Vernon'      |         |           | CG   | 3LT      |       |        | 202  |
| HERBACEOUS PLANTS |                            |         |           |      |          |       |        |      |
| Bc                | Bergenia cordifolia        |         |           | CG   | 2LT      |       |        | 348  |
| HEDGES            |                            |         |           |      |          |       |        |      |
| Cb                | Carpinus betulus           |         | 90-120cm  | br   |          | bushy |        | 480  |

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**KEY & NOTATION**

Plot Boundary

Existing Retained Trees and Hedges

Proposed Tree Planting

Proposed Native Hedgerow

Proposed Native Scrub/Shrub Planting

Proposed Areas of Shrub Planting

Wildflower / Grass Mix  
Emorsgate Seeds Flowering Lawn Mixture EL1

Wildflower / Grass Mix  
Naturescape N7 Wetland Meadow

Clover Rich Amenity Grass

Gravel Margin

See Drawings 25.1959.002B to 006B for details and specifications.

|           |    |                                               |      |          |
|-----------|----|-----------------------------------------------|------|----------|
| B         | 1. | Updated to Proposed Site Plan 14431-05101 P06 | cjn  | 13.01.26 |
| A         | 1. | Updated to Proposed Site Plan 14431-05101 P01 | cjn  | 21.11.25 |
| Revisions |    |                                               | Dwn. | Date     |

Scale: 1:1250 @ A1

0 10m 100m

Project

**Commercial Development**  
**Plot 11 Dove Valley Park**

Drawing

Landscape Masterplan

Status

For Planning, Tender & Construction

Date

19.03.2025

Dwg. No.  
**25.1958.001**

Revision  
**B**

Drawn  
cjn

Checked  
cjn

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