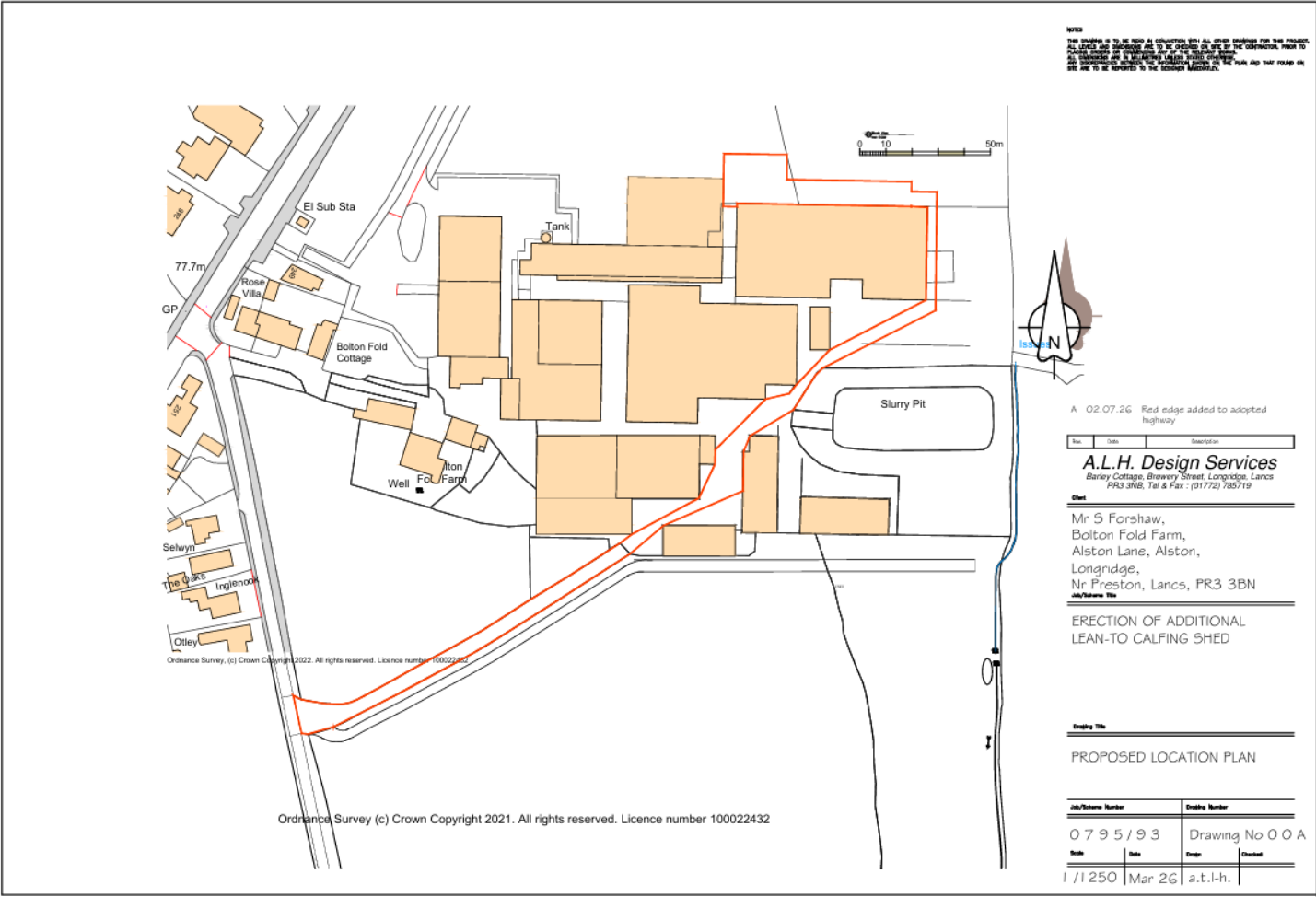


# Habitat Management and Monitoring Plan

|            |                                           |
|------------|-------------------------------------------|
| Site Name: | Proposed extension to exiting cow cubicle |
| Date:      | 14.09.26                                  |
| Version:   | 01                                        |



Author: Julie Wickington      Client: F118 / 7 – 2 Mr S Forshaw

Contents

1.2

Summary of Management Plan

Site Boundary Plan PB-F01

Site Context Plan PB-F02

Phasing strategy

Roles and Responsibilities

Land Use Summary

Site Context Photos PB-F03

Site Baseline, Environmental Information and Associated Impacts Checklist PB-T01

Baseline and Environmental Information

2.12

Principles Informed by Design Stage

Habitat and Condition Targets PM-T01

Habitat Retention

Habitat Retention Plan PM-F01

Creation, Enhancement and Management Targets and Prescriptions

Habitat Creation and Management – Risk Register and Remedial Measures PM-T02

3.17

Monitoring Strategy

Monitoring Methods and Intervals MS-T01

Monitoring Reports

Adaptive Management

3

4

5

6

6

7

7

8

9

10

11

12

12

13

14

15

15

16

16

Version Control

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

| Version     | Issue Status | Prepared by / Date | Approved by / Date |
|-------------|--------------|--------------------|--------------------|
| Final Draft |              | JW 14.09.2026      | JW 14.09.2026      |
|             |              |                    |                    |
|             |              |                    |                    |
|             |              |                    |                    |

Document Details

Provide ownership, copyright and licensing information within this table.

| Authorship Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Use this box to provide relevant details of document ownership by the author, such as company address, copyright or map licence information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Plans and maps produced/reproduced by Fieldology Works and the companies listed below. Unauthorised reproduction infringes Copyright and may lead to prosecution or civil proceedings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Fieldology Works – The Conservatory, Badger Cottage, Long Causeway, Cliviger, Burnley, Lancashire. BB10 4RP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| A L H Design Services – Barley Cottage, Brewery Street, Longridge, Lancashire. PR3 3NB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| All assessments provided are based on the information available to Fieldology Works and the companies above endeavours to ensure all assessments are accurate and appropriate at the time of publication. However, it is the sole responsibility of the recipient to ensure that any actions they take are both legally and contractually compliant, and Fieldology Works does not accept responsibility or liability for any losses incurred or arising from the advice we provide. This is a desk-based study and therefore some variation may occur on the ground but Fieldology Works have used appropriate resources and cannot be held responsible for variations. |

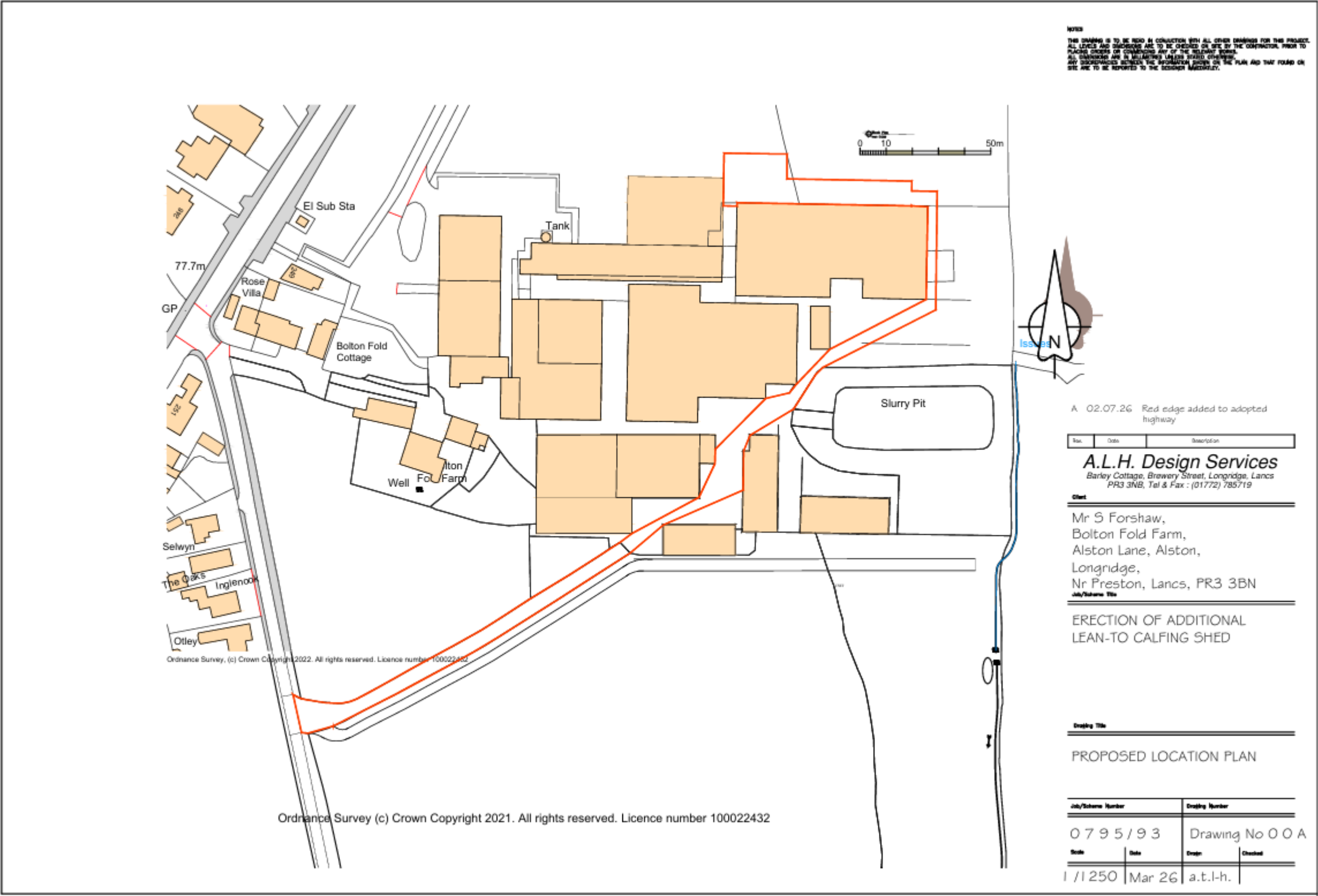
# Project Background

Summarise the key aspects of your management plan in this section. Table PB-B01 can be extended to suit the specific needs of individual projects.

| Site Overview PB-B01                                                  |                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project type                                                          | On Site                                                                                                                                                                                                              |
| Development Name and Address                                          | Bolton Fold Farm Alston Lane Longridge PR3 3BN                                                                                                                                                                       |
| BNG Project Name and Address                                          | As above                                                                                                                                                                                                             |
| Author Organisation                                                   | Fieldology Works Ltd                                                                                                                                                                                                 |
| Landowner                                                             | Mr S Forshaw                                                                                                                                                                                                         |
| Land Manager                                                          | Mr S Forshaw                                                                                                                                                                                                         |
| Responsible person/organisation for creating or enhancing the habitat | Mr S Forshaw                                                                                                                                                                                                         |
| Period covered by this management plan                                | Start 2027 - End 2057<br>1 yearly review - 2028, 2029, 2030, 2031, 2032<br>5 Year Review - 2032, 2037, 2042, 2048, 2052, 2057<br><br>NB: Assumption - development completed in 2026, Year 1 for HMMP commences 2027. |
| Planning authority                                                    | Ribble Valley Borough Council                                                                                                                                                                                        |
| Planning reference (if applicable)                                    | 3/2026/0359                                                                                                                                                                                                          |
| BNG register reference (if applicable)                                | N/A                                                                                                                                                                                                                  |
| Central OS grid reference                                             | SD 6029 3543                                                                                                                                                                                                         |
| Metric revision/title                                                 | The_Statutory_Metric_Macro_Disabled_1.0.4 SF Extension                                                                                                                                                               |
| Are any Irreplaceable Habitats present onsite                         | Yes: <input type="checkbox"/> No: X <input type="checkbox"/>                                                                                                                                                         |

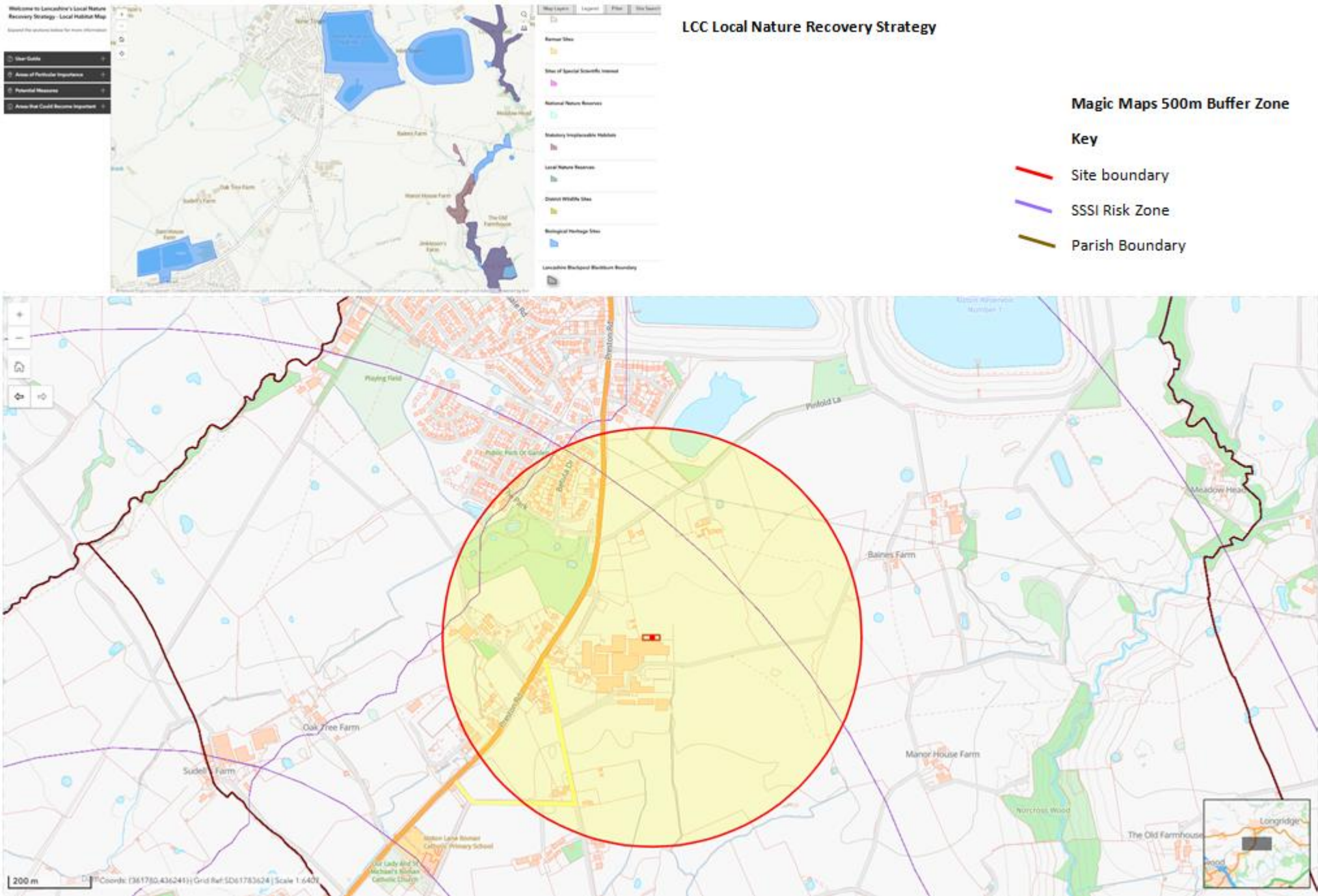
# Summary of Management Plan

| Habitats to be Retained, Created and Enhanced PB-B02                                                                                                                                                                                    |                    |             |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|-------------------------|
|                                                                                                                                                                                                                                         | <i>Habitat</i>     | <i>Area</i> | <i>Target Condition</i> |
| Habitats to be enhanced                                                                                                                                                                                                                 | Modified Grassland | 0.01 ha     | Moderate                |
| Habitats to be created                                                                                                                                                                                                                  | Rural Tree         | 0.0407 Ha   | Moderate                |
| Timescales for Actions PB-B03                                                                                                                                                                                                           |                    |             |                         |
| Summarise the key timescales for the actions covered by this HMMP.                                                                                                                                                                      |                    |             |                         |
| Year 1 - Modified Grassland enhancements to commence and planting of rural trees.                                                                                                                                                       |                    |             |                         |
| Year 1 - 5 annual monitoring and adaptive management.                                                                                                                                                                                   |                    |             |                         |
| 5 yearly reviews 2031, 2036, 2041, 2046, 2051, 2056                                                                                                                                                                                     |                    |             |                         |
| Monitoring Requirements PB-B04                                                                                                                                                                                                          |                    |             |                         |
| Summarise the monitoring requirements set out within this HMMP                                                                                                                                                                          |                    |             |                         |
| The main monitoring requirements will be during the establishment phase, during years 1 - 5 This is to ensure that suitable establishment of the habitats created occurs, and adaptive management strategies can be taken as necessary. |                    |             |                         |
| Required Consents and Licences PB-B05                                                                                                                                                                                                   |                    |             |                         |
| List the relevant consents and licences required as part of this HMMP.                                                                                                                                                                  |                    |             |                         |
| None as part of the works and client made aware of Wildlife and Countryside Act obligations via planning process.                                                                                                                       |                    |             |                         |
| Funding PB-B06                                                                                                                                                                                                                          |                    |             |                         |
| Provide an overview of how funding has been secured to deliver the HMMP.                                                                                                                                                                |                    |             |                         |
| Funding to be supplied by the developer/land owner.                                                                                                                                                                                     |                    |             |                         |
| Legal Agreement PB-B07                                                                                                                                                                                                                  |                    |             |                         |
| Provide an overview of any legal agreements that secure the delivery of the HMMP.                                                                                                                                                       |                    |             |                         |
| None required.                                                                                                                                                                                                                          |                    |             |                         |



## Site Context Plan PB-F02 APPENDIX 2: CONTEXT PLAN

This plan should show the location of the site, including the LPA, boundary, national character area, and any relevant landscape scale policy or guidance information.



Phasing strategy

Will the proposed work measures be delivered in phases? PB-B08

Yes: ☒ No: ☐

Provide details of how the project and any habitat creation and enhancement works and their management will be phased. Include details of how this will be tracked and monitored to achieve BNG targets on the ground. State if this management plan covers a single phase or if it is a site wide management plan. If being provided for a single phase, provide a reference to a document that provides information on the overarching management plan for all phases.

This management plan covers the site wide management plan.

Once the building work is completed and the landscape phase undertaken. The phasing of the work will be as follows:

**Phasing Strategy**

- Enhancement of grassland with grassland seed mix (if required) to be sown in early spring (March-April) or Autumn (October-November) depending on when the building phase is completed.
- Plant the trees during Autumn for the best establishment.

|                                        | Works      |          |               |             |       |                         |
|----------------------------------------|------------|----------|---------------|-------------|-------|-------------------------|
|                                        | Protection | Creation | Establishment | Maintenance | Phase | Year from project start |
| Habitats to be enhanced & created      |            |          |               |             |       |                         |
| Rural Trees (10 No) 0.0407 Ha Moderate |            |          |               |             | Ph 1  | Yr 1 - 5                |
|                                        |            |          |               |             | Ph2   | Yr 5 +                  |
| Modified Grassland 0.01 Ha Moderate    |            |          |               |             | Ph 1  | Yr 1                    |
|                                        |            |          |               |             | Ph 2  | Yr 2 - 5                |
|                                        |            |          |               |             | Ph 3  | Yr 5 +                  |

Establishment of the trees and grassland monitored in years 1 - 5, with a review of establishment. with corrective action if required.

Roles and Responsibilities

Provide details of the responsible persons and organisation(s) for delivering this management plan.

Ecologist or Other Professional Responsible for HMMP PB-B09

|                  |                      |          |           |          |
|------------------|----------------------|----------|-----------|----------|
| Name or Initials | Julie Wickington     |          |           |          |
| Organisation     | Fieldology Works Ltd |          |           |          |
| Responsibility   | Start Date:          | 01.01.27 | End Date: | 01.01.57 |

Fieldology Works Responsibilities

Responsible for the production of the HMMP and subsequent monitoring reports

Statement of Competency

Julie has the following experience and qualifications

Farmer all her life and project manager in charitable and public sectors - 27 years

Facilitator for the East Lancashire Farming Group

Competent Ecologist delivering Biodiversity Net Gain Appraisals.

Qualifications

MSc Human Ecology

MA Countryside Management

Diploma in Business Studies

MA Town and Countryside Planning

|                                                                                                                                                                   |             |                                                |           |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------|-----------|------------|
| Landowner or Land Manager PB-B10                                                                                                                                  |             |                                                |           |            |
| Name or Initials                                                                                                                                                  |             | Mr S Forshaw                                   |           |            |
| Organisation                                                                                                                                                      |             | Bolton Fold Farm Alston Lane Longridge PR3 3BN |           |            |
| Responsibility                                                                                                                                                    | Start Date: | 01.01.27                                       | End Date: | 01.01.2057 |
| Responsible for the overseeing of construction of the development.                                                                                                |             |                                                |           |            |
| Statement of Competency                                                                                                                                           |             |                                                |           |            |
| Experienced land owner and land manager who will be able to oversee the work.                                                                                     |             |                                                |           |            |
| Management Organisation(s) Responsible for Implementing the HMMP PB-B11                                                                                           |             |                                                |           |            |
| Name or Initials                                                                                                                                                  |             | Mr S Forshaw                                   |           |            |
| Organisation                                                                                                                                                      |             | Bolton Fold Farm Alston Lane Longridge PR3 3BN |           |            |
| Responsibility                                                                                                                                                    | Start Date: | 01.01.27                                       | End Date: | 01.01.57   |
| Responsible for the overseeing the maintenance and management.                                                                                                    |             |                                                |           |            |
| Statement of Competency                                                                                                                                           |             |                                                |           |            |
| Experienced land owner and land manager who will be able to oversee the maintenance and management.                                                               |             |                                                |           |            |
| LPA or Responsible Body for Reviewing HMMP PB-B12                                                                                                                 |             |                                                |           |            |
| Name or Initials                                                                                                                                                  |             |                                                |           |            |
| Organisation                                                                                                                                                      |             | Ribble Valley Borough Council                  |           |            |
| Responsibility                                                                                                                                                    | Start Date: | 01.01.27                                       | End Date: | 01.01.57   |
| Ribble Valley Borough Council will receive in writing when the HMMP has been implemented and when the habitat creation and enhancement works have been completed. |             |                                                |           |            |
| The review, auditing and, or, long-term of this HMMP.                                                                                                             |             |                                                |           |            |

Land Use Summary

| Overview of Baseline Site Use PB-B13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Overview of Baseline Habitat</b></p> <p>Provide a concise overview of the current site use including a summary of the habitats present, any specific management operation currently in effect and any other land uses.</p> <p>Provide the context for the management activities to assist the reviewer in understanding the changes proposed.</p> <p><b>Habitat overview</b></p> <p><b>MODIFIED GRASSLAND</b></p> <p>Approximately 0.0644 ha of modified grassland is located within the site. It was assessed as scoring a ‘Poor’ condition based on passing 5 criteria. Modified grassland, mown grazed by dairy cattle and mown for silage and haylage - g4, 101, 110. Area 1 is the proposed site of cattle barn extension. Area 2 is mown/grazed modified grassland proposed to be enhanced for the on-site compensation.</p> <p>Both are characteristically the same: Modified Grassland (g4, 101 (cattle grazed), 110 (silage and haylage)<br/>Abundant: Perennial rye grass (Lolium perenne), Frequent: Creeping bent (Lolium perenne), Timothy (Phleum pratense), Occasional: Creeping buttercup (Ranunculus repens) and White Clover. (Trifolium spp.)</p> <p>Sward height was not varied and no scrub is present.</p> <p><b>URBAN LAND</b></p> <p>The access to the site is from the highway (Alston Lane) a sealed surface (concrete).</p> <p><b>Current management</b></p> <p>The grassland at the time of the initial BNG surveying was actively managed, as a mown and grazed grassland.</p> |
| Overview of Proposed Site Use PB-B14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

Summarise the site’s anticipated uses, including proposed habitats, management regimes and intended land uses.

The main management prescriptions will be the enhancement of the modified grassland and the planting and establishment of individual rural trees. The trees will have a suitable planting methodology and then monitored, with pruning minimised to allow suitable establishment.

Site Context Photos PB-F03

Please include two overview photographs of the site in its current form here. Include additional photographs in an appendix if needed. Tick if additional photographs are provided in the Appendices

☐ X



Figure 1 Ariel view of site. Google Earth Accessed 2026 (Approximate location).

Site Baseline, Environmental Information and Associated Impacts Checklist PB-T01

Consider the Baseline and Environmental Information listed below. These are likely to be appropriate factors informing your proposals and project design. They can provide the reviewer with important contextual information for the management prescriptions provided later in this document. Use your professional judgement to determine which factors are relevant to your specific project.

Please use the check box to indicate which are included in your plan. For any not included, provide brief reasons why the factor is not relevant to your project using your professional judgement. Where this information is provided elsewhere, you can reference existing reports and, or, plans that have informed your decisions. For the templates for each heading see pages 3-20 of the Companion Document.

| Baseline and Environmental Information      | Prompts for when these may be relevant.<br>This is not an exhaustive list. Use your professional judgement to determine which are required for your HMMP | Check box if included      | Document Reference or Reason if not included                                                                                                                                                                                                                                                                          |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Statutory / Non-statutory Designated Sites  | Will your proposals lead to direct or indirect effects on designated sites?                                                                              | <input type="checkbox"/>   | The proposal will have a positive impact on the Site with the enhancement of modified grassland and planting of trees.                                                                                                                                                                                                |
| Protected and Notable Species               | Does the presence or proximity of specific species on or near your site present any constraints or opportunities to project design or management?        | <input type="checkbox"/>   |                                                                                                                                                                                                                                                                                                                       |
| Invasive Non-Native Species (INNS)          | Are there any INNS present onsite that could affect the proposals?                                                                                       | <input type="checkbox"/>   |                                                                                                                                                                                                                                                                                                                       |
| Biological Records Plan - Sites and Species | Does the presence of designated sites or specific species on or near the site present any constraints or opportunities to proposals?                     | X <input type="checkbox"/> | The proposed work is not perceived as a risk to any local designated sites or species in both directly or effecting supported habitat. See Appendix - Biological Records Plan - Sites and Species (BI-F01)                                                                                                            |
| Baseline Habitats Survey                    | Is this current and important HMMP information located in a separate document> If so, provide details on where it is located. .                          | X <input type="checkbox"/> | See Appendices Ecologist responsible for baseline surveys (BI-T03), Habitats (BI-T04), Baseline Habitats Plan (BI-F02), Baseline Distinctiveness and Condition Plan (BI-F03), Baseline Habitats Photos (BI-F04).<br><br>Also refer <b>Appendix 3</b> Bolton Farm - Biodiversity Net Gain Habitat Condition Assessment |
| Public Access                               | Has public access, or proposals to allow public access, influenced your management prescriptions? If so, how?                                            | <input type="checkbox"/>   | No public access.                                                                                                                                                                                                                                                                                                     |
| Climate                                     | Local climate conditions such as dry years and limited rain may impact on the establishment of the newly planted rural trees and species rich hedgerow.  | <input type="checkbox"/>   | None of the proposed habitats are climate sensitive.                                                                                                                                                                                                                                                                  |
| Geology and Topography                      |                                                                                                                                                          | <input type="checkbox"/>   | No impact                                                                                                                                                                                                                                                                                                             |
| Agricultural Land Status                    | Does the site support any land favourable for agricultural management? Could this affect the proposals?                                                  | <input type="checkbox"/>   | No impact                                                                                                                                                                                                                                                                                                             |
| Soils and Substrates                        | Do soils and substrates present any constraints or opportunities?                                                                                        | <input type="checkbox"/>   | None                                                                                                                                                                                                                                                                                                                  |
| Contaminated Land                           | If there is any contaminated land, will this present any constraints?                                                                                    | <input type="checkbox"/>   | None                                                                                                                                                                                                                                                                                                                  |
| Hydrology and Drainage                      | Will the site hydrology present any constraints or opportunities?                                                                                        | <input type="checkbox"/>   | None                                                                                                                                                                                                                                                                                                                  |
| Flood Risk Zones                            | Is the site within a flood risk zone? Will that present any site management risks?                                                                       | <input type="checkbox"/>   | None                                                                                                                                                                                                                                                                                                                  |
| Landscape Character and Designations        | Does the landscape character of the site present any constraints or opportunities?                                                                       | <input type="checkbox"/>   | None                                                                                                                                                                                                                                                                                                                  |
| Historic Land Use                           | Does the historic land use present any constraints or opportunities?                                                                                     | <input type="checkbox"/>   | None                                                                                                                                                                                                                                                                                                                  |

|                                         |                                                                                                                   |                          |                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| Historic Environment and Earth Heritage | Are there any historic environment designations? What are the implications for your plan?                         | <input type="checkbox"/> | There are no historic designations. |
| Other – please specify                  | Any other details - for example underground services or overhead powerlines, which may impact habitat management. | <input type="checkbox"/> | None                                |

Baseline and Environmental Information

Refer to Appendix 1 for the Baseline and Environmental Information.

## 2. Planned Management Activities

Provide the site-wide aims and objectives. These should consider the Project Background information section outlined above as well as the outcomes of the Metric.

### Management Plan Aims and Objectives PM-B01

Set out your site-wide principles and the overarching aims and objectives that guide this HMMP. Present these clearly and concisely to assist the reviewer with understanding the overall aims and objectives. This will also provide context to the detailed information presented later in this document.

Summarise how each aim and objective will be achieved within the appropriate timescale and maintained for at least 30 years.

Where relevant, provide details on the project's long-term vision, including the beyond the 30 years. This may be a vision statement or similar.

#### Project Aim

To provide and enhance the habitats to support a wider range of biodiversity, increasing connectivity and niche availability for target species on site.

#### Objectives

1. To plant Individual native trees with a predominantly continuous canopy with no adverse impacts on tree health caused by human activities and to maintain these to moderate condition; and,
2. To enhance an area of modified grassland from moderate condition to good.

#### HMMP - Habitat creation and maintenance timescales

|                                        | Works      |          |               |             | Phase | Year from project start |
|----------------------------------------|------------|----------|---------------|-------------|-------|-------------------------|
|                                        | Protection | Creation | Establishment | Maintenance |       |                         |
| Habitats to be enhanced & created      |            |          |               |             |       |                         |
| Rural Trees (10 No) 0.0407 Ha Moderate |            |          |               |             | Ph 1  | Yr 1 - 5                |
|                                        |            |          |               |             | Ph2   | Yr 5 +                  |
| Modified Grassland 0.01 Ha Moderate    |            |          |               |             | Ph 1  | Yr 1                    |
|                                        |            |          |               |             | Ph 2  | Yr 2 - 5                |
|                                        |            |          |               |             | Ph 3  | Yr 5 +                  |

## Principles Informed by Design Stage

The project's BNG target(s) should be set and documented early in the design process. Outline how background and baseline information influenced key design principles for the project from an early stage. This can provide useful context for the proposed retention, creation and enhancement measures.

### Design Principles Informed by Baseline Information PM-B02

Summarise how the site features and baseline information influenced the site's habitat retention, creation and enhancement aspirations during the early stages of the project design.

Where relevant, include details on how you reached a decision on the strategic significance of the habitat parcels present on site.

#### Design principles

- The type and condition of the habitats to be created and maintained were identified through the initial condition assessment.
- The design of the scheme was based on creating sustainable and diverse habitats.
- Native species will be used which are typical to the site's environmental baseline.
- Greater connectivity will be created to provide opportunities for target species.
- Suitable foraging habitats will be created to support fauna.
- The design will provide an aesthetically pleasing design.

Habitat and Condition Targets PM-T01

This table presents a summary record of what you have agreed to deliver based on the biodiversity metric. These habitat condition targets form the basis of what the management plan is setting out to achieve. Include the relevant ‘Area’, ‘Hedgerow’, and ‘Watercourse’ types to be implemented and managed throughout the period of 30 years or more.

| Baseline Habitat Type   | Target Habitat Type     | Parcel / Feature Refs | Baseline Condition | Targeted Condition | Years to Targeted Condition | Condition Assessment Targets                                                                                                      | Comments |
|-------------------------|-------------------------|-----------------------|--------------------|--------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| Modified grassland (g4) | Modified Grassland (g4) | 1                     | Poor               | Moderate           | 10 years                    | Moderate condition will be targeted by achieving the following:<br>Passes 4 or 5 criteria including passing essential criterion A |          |
| Individual Rural trees  | Individual Rural Trees  | 1                     | N/A                | Moderate           | 27 years                    | Passes 3 or 4 criteria                                                                                                            |          |

| Habitat and Condition Targets Further Comments                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Use this section to provide further details relevant to achieving the habitat and condition targets set out above. Also, include any additional objectives that are relevant to the proposals but outside of the scope of the statutory biodiversity metric calculations. |

Habitat Retention

Provide a concise description of the habitats that are to be retained in their baseline condition. Habitats being retained may still require ongoing measures to maintain their baseline condition.

Measures to be Implemented to Protect Retained Habitats PM-03

Summarise the details of the habitats to be retained by the project. Use parcel references and clearly show these on the accompanying habitat retention plan.

Set out how protective measures will be implemented and maintained to protect all retained habitats throughout the project.

Set out any management measures that may be required to maintain or enhance their baseline condition.

No habitats will be retained.

Specification of Protective Measures to be Used PM-04

Use this section to provide detailed technical specifications of any protective measures (for example fencing) to be implemented.

**Habitat Retention Plan PM-F01**

Provide a plan with the locations of habitats to be retained (including whether to be protected and, or, enhanced) and those to be created under this HMMP. Include parcel references if needed. Tick box if any additional plans are provided in the Appendices ☐ . Reference:

**Creation, Enhancement and Management Targets and Prescriptions**

Refer to:

Appendix 4: Modified Grassland

Appendix 5: Individual Rural Tree

Appendix 6: Proposals Plan

Habitat Creation and Management – Risk Register and Remedial Measures PM-T02

Provide a site-wide risk register associated with creating, enhancing and, or, managing each habitat type. Consider your approach to delivering the BNG targets in case the management prescriptions do not deliver as expected.

This is a pre-emptive list. The list of potential risks should be as comprehensive as possible to provide confidence in the delivery of the management plan objectives. Complete each habitat's management targets and prescriptions first, then consider the likelihood of the risk occurring and what impacts it may have if it was to occur. Consider how these may feed back into monitoring requirements.

| Risk Identification Date | Habitat Type       | Risk Factor                                                                                                                                                                                                                                                                                                                                                                   | Trigger for Action                                                                           | Remedial Measure                                                                                                                                                                          |
|--------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Years 2 - 5              | Individual Trees   | Newly planted trees failing to establish trees can be monitored and condition assessed. Trigger will be declining features such as signs of drought stress Initial planting phase should include a mulch to help retain water and then watering as needed through drier seasons during years 1-5 as they establish. If there is a failure to establish, this can be replaced. | 10% of targeted number of newly planted trees found to be dead during years 1-10.            | Plant a larger number of trees initially as contingency against some losses in the early years. Undertake a second round of planting, replacing failed specimens on a like-for-like basis |
| Years 2 - 5              | Modified grassland | Modified Grassland fails to establish/diversify. Trigger will be declining features such as signs of drought stress Initial planting phase should include time for grasses and flowers to set seed (after 15 <sup>th</sup> July) to increase seed bank naturally.                                                                                                             | Number of grassland and flower species remains the same as the baseline condition in Year 3. | Visual inspection at least once or twice a year.<br><br>If species diversity is not increasing consider overseeding with specialist Grassland mix.                                        |

### 3. Monitoring Schedule

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.

#### Monitoring Strategy

Provide details of the monitoring strategy to encourage successful implementation of the management plan (MS-B01)

Provide details of methods that will be used to compare the baseline habitat with the proposed retention, creation or enhancement measures. For example, this may include before-and-after photos, before-and-after surveys and species lists, etc.

Habitat creation and enhancement works will be completed after the building works are completed (no later than one tree planting season after the completion of the project, Assumed to be end of December 2026).

Before and after photos taken. First photos will be taken during creation phase, then annual photos taken in July from years 1-5. Annual targeted survey work will be taken on the grassland as described below to ensure that the moderate standard is achieved, primarily focusing on the targets listed, especially the number of species present. Year 1 will provide the baseline.

#### Monitoring Methods and Intervals MS-T01

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

Monitoring methods and frequency need to be considered according to habitat type. The text below is only for illustrative purposes. Plan according to your own project and habitat requirements.

| Habitat Type                     | Monitoring Methods                                                                                                                                                                                                                                                                                                                      | Monitoring Interval and Timing                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Example: Other neutral grassland | To be undertaken on parcels 1, 3, 5 and 8.2<br>Undertake quadrat sampling to identify the habitat type that is establishing and then number of species per m <sup>2</sup> .<br>Estimate percentage of bare ground, bramble and bracken cover.<br>Collect a botanical species list across grassland to check against target species list | Annually from years 1-5, then every 5 years.<br>Surveys to be completed between May and August                                                                               |
| Modified Grassland               | All grassland plots monitored Undertake quadrat sampling to identify the habitat type that is establishing and then number of species per m2<br>Take an estimate of sward heights as a percentage of cover and record the percentage cover of scrub if present.                                                                         | Annually from years 1-5, then every 5 years. Surveys to be completed between May and August                                                                                  |
| Individual trees                 | All individual trees to be checked by a suitable surveyor for signs of stress, decline or other health issues. This will be done through a visual inspection of canopy, giving a percentage score of healthy leaf cover as well as an inspection of the bark and main body of the trees.                                                | Years 1-5, biannual checks to assess health and establishment of trees.<br>Surveys to be undertaken in May and then July to cover the main growing season and drier periods. |
| Individual Trees                 | Visual inspection for features of natural ecological niches.                                                                                                                                                                                                                                                                            | Year 20                                                                                                                                                                      |

Monitoring Reports

Following completion of habitat creation and initial enhancement works, prepare for your monitoring report for the Local Planning Authority or Responsible Body. You should monitor each habitat type comprising the BNG project. Provide sufficient detail for the reviewing authority to assess the progress. The ‘Monitoring Report Template’ can help you do this. The requirements and regularity with which the monitoring reports are required are at the discretion of the LPA or Responsible Body. Prepare the monitoring requirements below.

Monitoring Report Schedule MS-T02

Provide details of the person or organisation that will be responsible for submitting the monitoring reports. Also state the responsible organisation for receiving and reviewing the reports.

| Organisation Responsible for Submitting the Monitoring Reports | Organisation Receiving and Responsible for Reviewing Reports |
|----------------------------------------------------------------|--------------------------------------------------------------|
| Fieldology Works                                               | Ribble Valley Borough Council                                |

Provide details of when the monitoring surveys and reports will be undertaken and submitted. You can extend the table and adjust according to your required schedule.

| Project Year | Month Report to be Submitted | Month Management Plan to be reviewed | Comments                                                  |
|--------------|------------------------------|--------------------------------------|-----------------------------------------------------------|
| Y1           | September                    | September or October                 | Report on results of initial grassland & individual trees |
| Y2           | September                    | September or October                 | Report on results of initial grassland & individual trees |
| Y3           | September                    | September or October                 | Report on results of initial grassland & individual trees |
| Y4           | September                    | September or October                 | Report on results of initial grassland & individual trees |
| Y5           | September                    | September or October                 | Report on results of initial grassland & individual trees |
| Y10          | September                    | September or October                 | Report on results of initial grassland & individual trees |
| Y15          | September                    | September or October                 | Report on results of initial grassland & individual trees |
| Y20          | September                    | September or October                 | Report on results of initial grassland & individual trees |

|     |           |                      |                                                           |
|-----|-----------|----------------------|-----------------------------------------------------------|
| Y25 | September | September or October | Report on results of initial grassland & individual trees |
| Y30 | September | September or October | Report on results of initial grassland & individual trees |

Adaptive Management

Summary of Adaptive Management Approaches (MS-B02)

Use this box to summarise how you plan to incorporate adaptive management. Consider the risks in section [PM-T02](#) above. The aim is to have a feedback loop between monitoring, then reporting, and how any proposed changes are subsequently reflected in this plan.

Adaptive management is a systematic approach to natural resource management that involves monitoring and evaluating the effectiveness of management actions then adjusting as necessary to improve outcomes over time. It is an iterative process in which management actions are followed by targeted monitoring outcomes. These, in turn, inform the ongoing management.

Monitoring results inform necessary management changes to promote achieving BNG targets stated in the statutory biodiversity metric and HMMP. The monitoring can pick up any unexpected, external influences. Some examples are dealing with a new plant disease, an invasive species that is thriving due to climate change, or changes to site access due to site flooding.

Observations and notes from day-to-day management are important for delivering adaptive management. Consider how this information will be captured and fed into changes in management prescriptions, then through to subsequent monitoring reports.

Regular robust monitoring, and reporting to the responsible authority, should identify issues early on. Then you can make conscious decisions to implement effective actions. If the BNG objectives are affected by external factors, it is important to agree decisions on changes to the management prescriptions and targets with the responsible authority. Following the review, record any changes in this management plan and schedule.

Grassland Monitoring will feed into management to ensure a moderate level grassland is created. Establishment – monitoring needed to ensure suitable establishment – feedback into management plan in year 1-2, where additional seeding will occur if triggered.

Management – ongoing surveys through year 1 – 5 will monitor management strategy. If species diversity drops, cutting timing can be changed to suit species present or additional species such as yellow rattle can be added.

Individual Trees – monitoring needed to ensure suitable establishment – feedback into management plan in year 1-5, where additional management will occur if triggered, such as additional watering. Day to day observations are possible from residents and will be fed back to management so decline is quickly recorded, outside of the standard methodology

## APPENDIX 1

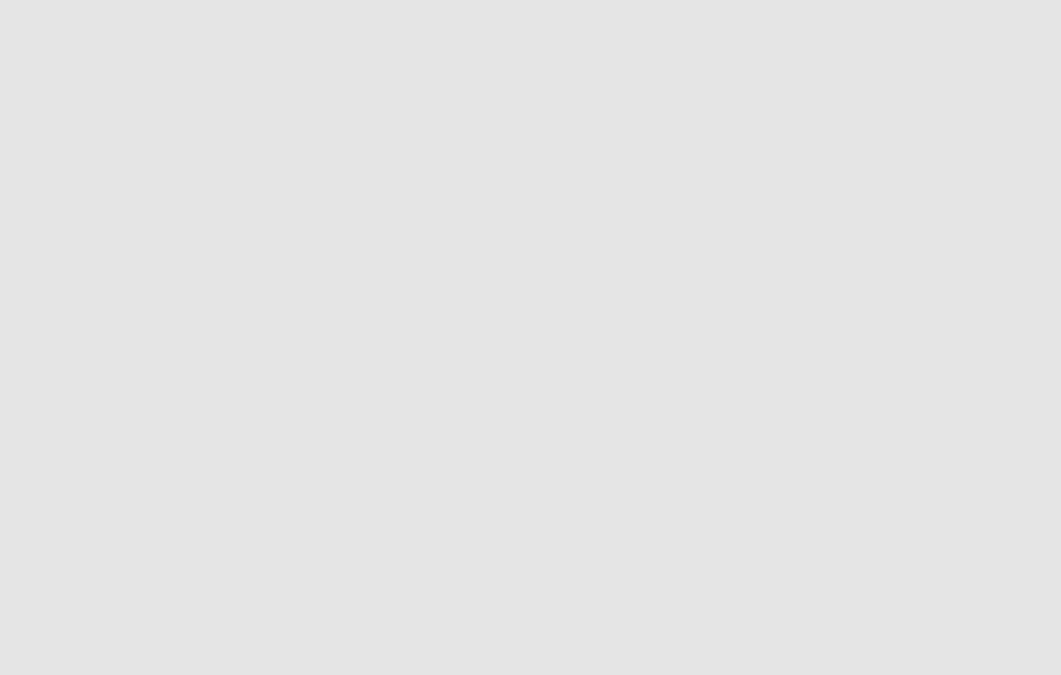
## Biological Records

**Protected and Notable Species (BI-T02)** NOT APPLICABLE NONE ON SITE

Provide a concise summary of the notable species records within the zone of influence of the project and any potential impacts from the project.

| Species | Dates | Conservation Status | Distance of Closest Record | Potential Impact from Project |
|---------|-------|---------------------|----------------------------|-------------------------------|
|         |       |                     |                            | Positive                      |
|         |       |                     |                            | Negative                      |

| Summary of Protected and Notable Species (BI-B03)  |  |
|----------------------------------------------------|--|
|                                                    |  |
| Constraints and Opportunities for Project (BI-B04) |  |



.

# Baseline Habitats Survey

| Ecologist responsible for baseline surveys (BI-T03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Name or Initials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Julie Wickington Qualifying member of CIEEM |
| Organisation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Fieldology Works                            |
| Survey Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 13 <sup>th</sup> April 2026                 |
| Statement of Competency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |
| <p>Julie Wickington - Qualifying member of CIEEM</p> <p>Consultant Ecologist with 2 years of professional training and experience.</p> <p>BSc (Human Ecology), MSc (Countryside Management) and MA (Town and Country Planning).</p> <p>Attended several CIEEM training courses to complete the Statutory Metric and UK Hab Habitat Condition Assessment and BNG Habitat Condition Assessment.</p> <p>Undertaken a range of BNG Metric Habitat Condition Assessments and produce BNG Metric reports - 2024 Statutory Metric.</p>                                                                                                                                                                                                                                                                                                                                                        |                                             |
| Survey conditions and limitations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                             |
| <p>Survey conditions for the habitat and condition assessment surveys.</p> <p>BNG Assessment Limitations</p> <p>Whilst every effort has been made to provide a comprehensive description of the site, no investigation could ensure the complete characterisation and prediction of the natural environment. The conclusions and recommendations detailed in this report are based upon the site redline and blueline boundaries (as appropriate) and the development proposals as outlined by the client at the time of writing. Should there be any changes to the site red line boundary or development proposals at a later stage, this assessment should be reviewed to determine whether any amendments or additional survey work is required.</p> <p>Habitat areas (predevelopment) have been measured using online mapping, and therefore will not be completely accurate.</p> |                                             |

The Site Layout Plan used for post development areas is indicative in nature and does not constitute a detailed landscape plan.

Habitat Degradation

Are there any signs or evidence that the baseline habitats have been purposefully degraded since 30<sup>th</sup> January 2020? (BI-B05)

No

If habitats have been purposefully degraded, provide details of how this has been accounted for (BI-B06)

Baseline Habitat Descriptions and Condition

Use the following tables to provide details of the relevant baseline habitats information. Provide a concise overview of the justification for the condition chosen for each parcel(s) in the appropriate column.

**Habitats** (BI-T04) Also see Appendix 6 for the BNG Habitat Condition Assessment

| Parcel Refs  | Habitat Type and Code   | Irreplaceable | Priority | Description and Condition Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Condition | Area (ha) |
|--------------|-------------------------|---------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| G4 Ref 1 & 2 | Modified Grassland (g4) | No            | No       | <b>MODIFIED GRASSLAND</b><br><br>Approximately 0.0644ha of modified grassland is located within the site. Modified grassland, mown grazed by dairy cattle and mown for silage and haylage - g4, 101, 110. Area 1 is the proposed site of cattle barn extension. Area 2 is mown/grazed modified grassland proposed to be enhanced for the on-site compensation. o Area 1 is the proposed development and Area 2 is the proposed compensation area: Both are characteristically the same: Modified Grassland (g4, 101 (cattle grazed), 110 (silage and haylage) Abundant: Perennial rye grass (Lolium perenne), Frequent: Creeping bent (Lolium perenne), Timothy (Phleum pratense), Occasional: Creeping buttercup (Ranunculus repens) and White Clover. (Trifolium spp.)<br><br>Sward height was not varied and no scrub is present. | Poor      | 0.0644 Ha |

Hedgerows (BI-T05)

| Feature Refs | Habitat Type and Code | Irrep lace able | Priority | Description and Condition Justification | Condition | Area (ha) |
|--------------|-----------------------|-----------------|----------|-----------------------------------------|-----------|-----------|
|              |                       |                 |          |                                         |           |           |
|              |                       |                 |          |                                         |           |           |
|              |                       |                 |          |                                         |           |           |

Priority and Irreplaceable Habitats

| Summary of Priority and Irreplaceable Habitats (BI-B07)      |
|--------------------------------------------------------------|
|                                                              |
| Potential Constraints and Opportunities for Project (BI-B08) |
|                                                              |

Baseline Habitats Plan (BI-F02)



Baseline Distinctiveness and Condition Plan (BI-F03)

The Modified Grassland is in Poor condition.

Refer to **Appendix 7: Baseline Plan**

**Baseline Habitats Photos (BI-F04)**

Provide a range of photographs representative of the baseline. Add additional pages for photos as required. **Please refer to Figure 1.**