

Rosefield Solar Farm

Environmental Statement

Volume 4
Appendix 7.17: Biodiversity Net Gain
Assessment
(Clean)

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Deadline 5
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Rosefield Energyfarm Limited

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1. Introduction

1.1. Purpose of document

- 1.1.1. This document has been updated at Deadline 5 in response to Buckinghamshire Council's and Claydons Solar Action Group's comments related to the following:
- The prescription of arable margins in the assessment; and
 - A requirement to apply a delay in habitat creation to the proposed Lowland meadow enhancement to reflect a period of nutrient stripping may be required in order to achieve this habitat type.
- 1.1.2. The document has also been updated to reflect the removal of Solar PV Modules in Fields B6, B7 (partially) and B8 and updated management proposals within Fields B5, B6, B7 and B8.
- 1.1.3. The document references have not been updated from the original submission. Please refer to the **Guide to the Application [EN010158/APP/1.2.11]** for the list of current versions of documents.
- 1.1.4. This document has been prepared by RSK Biocensus, on behalf of Rosefield Energyfarm Limited ('the Applicant') to present the results of a Biodiversity Net Gain (BNG) assessment to support the application for a Development Consent Order (DCO) for the construction, operation (including maintenance) and decommissioning of the proposed Rosefield Solar Farm (hereinafter referred to as 'the Proposed Development').
- 1.1.5. The document provides:
- a detailed methodology, including assumptions, for undertaking the BNG assessment;
 - the baseline biodiversity value of habitats within the Order Limits prior to construction;
 - the likely biodiversity value of habitats within the Order Limits post-development based on the current design information; and
 - the relative biodiversity change of habitats within the Order Limits after construction compared with before construction, determining whether the Proposed Development has achieved a 10% net gain in biodiversity.

1.2. Landscape context

- 1.2.1. The Order Limits are located within the administrative boundary of Buckinghamshire Council. The Order Limits are situated at site central grid reference SP 73100 23777. The Proposed Development encompasses approximately 675 hectares (ha) of land and comprises ponds, *Bramble scrub*, *Cereal crops*, *Lowland mixed deciduous woodland*, *Mixed scrub*, *Modified grassland*, *Non-cereal crops*, *Other neutral grassland*, *Other woodland; broadleaved*, *Other woodland; mixed*, *Reedbeds*, *Temporary*

grass and clover lays, Rural trees, Hedgerows, Line of trees, Other rivers and streams, arable field margins, ditches, and urban habitats (Figure 1).

- 1.2.2. The Order Limits are bordered to the north by Calvert Road and East Claydon Road, to the south by arable habitat and Finemere Wood, to the east by arable habitat and a tributary of Claydon Brook and to the west by arable habitat and woodland.
- 1.2.3. The Order Limits are situated in a largely rural context, surrounded by a network of arable fields and pasture interconnected by hedgerows, woodland, ditches and small streams. The village of East Claydon sits 415m to the west of the Order Limits and the village of Granborough sits 1.58km to the east of the Order Limits.
- 1.2.4. There are arable field margins, hedgerows, *Lowland mixed deciduous woodland, Reedbeds*, rivers and ponds that qualify as the priority habitat types under Section 41 of The Natural Environment and Rural Communities (NERC) Act 2006 within the Order Limits.

1.3. Project overview

- 1.3.1. Rosefield Solar Farm is a proposed solar farm with energy storage which will generate and store renewable electricity for export to the National Grid. The main features of the Proposed Development consist of the following elements:
- Solar PV development consisting of:
 - Ground mounted Solar PV generating station. The generating station would include Solar PV modules and mounting structures; and
 - Balance of Solar System (BoSS) which comprises: Inverters; Transformers; Switchgear; Combiner Boxes; acoustic barriers and cabling.
 - A project substation (the 'Rosefield Substation') compound comprising: Transformers; Switchgear; reactive power compensation bays; disconnectors; circuit breakers; busbars; control equipment; lightning surge arrestors; building(s) including office, control, functions, material storage, material laydown areas and welfare facilities; firewalls; fencing and acoustic barriers; a security cabin; parking as well as wider monitoring, maintenance and emergency equipment;
 - A Main Collector Compound and two Satellite Collector Compounds comprising: Switchgear; Transformers; ancillary equipment; operation and maintenance and welfare facilities; material storage; material laydown areas; fencing and acoustic barriers; and security cabins;
 - Battery Energy Storage System (BESS) compound comprising: batteries and associated Inverters; Transformers; Switchgear, ancillary equipment and their containers; office, control and welfare buildings; fencing and acoustic barriers; monitoring, maintenance and emergency systems; air conditioning; electrical cables; fire safety infrastructure;

operation (including maintenance) security facilities; material storage; and material laydown areas;

- Interconnecting Cabling Corridor(s) to connect the Solar PV modules and the BESS to the Satellite and Main Collector Compounds to the Rosefield Substation;
- A Grid Connection Cable Corridor to connect the Rosefield Substation to the National Grid East Claydon Substation via 400kV cabling;
- Ancillary infrastructure works comprising: boundary treatment; security equipment; lighting; fencing; landscaping; internal access tracks; works to facilitate vehicular access; earthing devices; earthworks; surface water management; utility connections and diversions; and any other works identified as necessary to enable the Proposed Development;
- Green and blue infrastructure, recreation and amenity works comprising: landscaping; habitat management; biodiversity enhancement; the creation of three permissive footpaths; and works to permanently divert four public right of way footpaths in five instances;
- Site-wide operational monitoring and security equipment; and
- Highways infrastructure improvements and safety works comprising: minor junction improvement works; road widening; passing places; and works to facilitate vehicular access to the Site.

1.4. Policy context

- 1.4.1. The primary aims of the BNG process are for developments to secure a measurable improvement in habitat for biodiversity, to minimise biodiversity losses and to help to restore ecological networks whilst streamlining development processes. BNG does not replace other existing legislation and policy for nature conservation. The below legislation and policy provide the context behind the need to achieve BNG.

The Environment Act

- 1.4.2. The Environment Act, 2021 mandates a statutory requirement for developments to deliver a minimum of 10% BNG which has been mandatory for most developments from February 2024. Nationally Significant Infrastructure Projects (NSIP) (including the Proposed Development) are currently exempt from BNG requirements, BNG for NSIPs is expected to become mandatory in November 2026.

Town and Country Planning Act

- 1.4.3. Schedule 7A of the Town and Country Planning Act 1990 (as amended) mandates a statutory requirement for developments to deliver a minimum 10% BNG which has been mandatory from February 2024.

National Planning Policy Framework

- 1.4.4. The National Planning Policy Framework (NPPF) sets out the Government's planning policies for England and how these are expected to be applied by Local Authorities within their Local Development Frameworks. The revised NPPF was published on 12 December 2024 and updated in February 2025 [Ref. 1].
- 1.4.5. Chapter 15 paragraph 187(d) of the NPPF 'Conserving and enhancing the natural environment' sets out the requirements to consider BNG in planning decisions. Paragraph 170 states: *"Planning policies and decisions should contribute to and enhance the natural and local environment by: ... d) minimising impacts and providing net gains for biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures;"*

Local plans

- 1.4.6. Buckinghamshire Council requires applicants to achieve 10% net gain on all non-exempt developments [Ref. 2].
- 1.4.7. Local Nature Recovery Strategies (LNRS) set spatial priorities for habitat creation, restoration and enhancement at a local level. Buckinghamshire LNRS was published in November 2025 [Ref. 3].

2. Methods

2.1. Introduction

- 2.1.1. This BNG assessment has been carried out as a desk-based exercise and has been undertaken by a competent person in accordance with best practice (Senior ecologist, BSc, MCIEEM, 6 years' experience).
- 2.1.2. The results of UK Habitat Classification (UKHab) surveys carried out within the Order Limits by RSK Biocensus in June and July 2023, October 2023, January 2024, May 2024, April 2025 and September 2025 have been used to determine the biodiversity value of habitats within the Order Limits before construction (**Figure 2**).
- 2.1.3. The river condition assessment was undertaken by an accredited competent person (Principal Ecologist, Modular River Physical (MoRPh) trained, BSc (Hons.), MSc, MCIEEM and Principal Aquatic Ecologist CEnv MIFM, MoRPh trained). The MoRPh survey was undertaken in line with best-practice guidance [**Ref. 4** and **Ref. 5**].
- 2.1.4. The landscape plans provided by the Applicant for the Proposed Development have been used to determine the biodiversity value of habitats within the Order Limits after construction (**Figure 3**).
- 2.1.5. The primary documents consulted as part of this assessment include:
- **Outline Landscape and Ecological Management Plan (Outline LEMP) [EN010158/APP/7.6]** including **Appendix 1: Green Infrastructure Parameters** of the **Outline LEMP**, **Appendix 2: Landscape and Ecological Mitigation and Enhancements** and **Appendix 3: Vegetation Removal Parameters**.
 - **Outline Drainage Strategy [EN010158/APP/7.11]** which provides detail on the attenuation ponds proposed as part of the Proposed Development.
 - **ES Volume 4, Appendix 7.7: Preliminary Ecological Appraisal (2025) [EN010158/APP/6.4]** which provides the baseline survey information for the Order Limits.
 - **ES Volume 4, Appendix 7.13: Arboricultural Impact Assessment [EN010158/APP/6.4]** which provided information about trees within hedgerows.

2.2. Biodiversity assessment methods

- 2.2.1. This assessment was undertaken in line with guidance from the Chartered Institute of Ecology and Environmental Management, the British Standard

for Biodiversity Net Gain (BS 8683) [Ref. 6] and industry best practice¹ [Ref. 7].

- 2.2.2. To calculate the baseline values for the Order Limits, and assess any changes arising from the Proposed Development, this study uses methods set out in the Statutory Biodiversity Metric (hereafter 'the Metric') user guide [Ref. 8]. The Metric measures biodiversity value for habitats in 'biodiversity units' (BUs).
- 2.2.3. The Metric is designed to quantify losses and gains of biodiversity as a result of proposed development or land management to inform and improve planning, design, land management and decision-making. The Metric uses habitats as a proxy to describe biodiversity.
- 2.2.4. The Metric can calculate biodiversity value of:
- existing habitats;
 - habitat enhancement; and
 - habitat creation.
- 2.2.5. The Metric can calculate different types of BUs. There are three types of biodiversity units, which are calculated in three separate 'modules' of the Metric. These are:
- area habitat units (e.g. woodland, grasslands, wetlands);
 - hedgerow units (e.g. hedgerows and lines of trees); and
 - watercourse units (e.g. culverts, canals, wet ditches, rivers and streams).
- 2.2.6. Consequently, a site can have three biodiversity unit values, which are assessed using the Metric, but which cannot be summed together or traded between.
- 2.2.7. The area or length of a habitat is multiplied by several factors in the Metric (called multipliers) that indicate its quality and value (distinctiveness, condition and strategic location), and this provides its BU value.
- 2.2.8. In addition, for those habitats that are to be created or enhanced, the risk of failure is accounted for by applying multipliers for risk factors (difficulty, time to target condition, and off-site risk).

¹ A competent person has the knowledge and skills to perform specified tasks to complete and review biodiversity metric calculations. This is obtained through training, qualifications, experience, or a combination of them. Competency is aligned with the British Standard 'Process for designing and implementing biodiversity net gain' (BS 8683:202)

2.2.9. A brief description of the different multipliers contained within the Metric are detailed below in **Table 1**.

Table 1: Statutory biodiversity metric multipliers and their explanations

Biodiversity metric multiplier	Explanation
Habitat distinctiveness	A measure based on the type of habitat and its distinguishing features. This includes: • consideration of species richness and rarity; • the extent to which the habitat is protected by designations; and • the degree to which a habitat supports species rarely found in other habitats.
Habitat condition	A measure of the habitat against its ecological optimum state. Condition is a way of measuring variation in the quality of patches of the same habitat type.
Strategic significance	Describes the local significance of the habitat based on its location and the habitat type.
Difficulty	A measure which represents the uncertainty in the effectiveness of management techniques used to enhance or create habitat.
Time to target condition	The average time taken between starting creation or enhancement of habitats and that habitat reaching its target condition or distinctiveness.
Spatial risk	Spatial risk represents the relationship between the location of biodiversity loss (on-site) and where the off-site habitat is being delivered. This is applied to off-site interventions only.
Riparian zone encroachment	A measure of any feature or intervention within the riparian zone that reduces the quantity, quality or ecological function of the riparian habitat.
Watercourse encroachment	A measure of any feature that adversely affects the natural function of the watercourse, or results in localised changes in habitat, species and migratory pathways.

Strategic significance

2.2.10. The LNRS for Buckinghamshire and Milton Keynes was published in November 2025 [Ref. 3]. In line with guidance this document has been used to assign strategic significance. In line with guidance for when an LNRS has been published, all baseline habitats have been assigned a low strategic significance. Post-development habitats were assigned a high

strategic significance where they fell within a mapped measure and met the requirements for this measure. All post-development habitats which fall outside mapped measures, or fall within a measure but did not contribute towards it, were assigned a low strategic significance.

- 2.2.11. This has resulted in the following habitats being assigned a high strategic significance.
- Woodland, scrub and hedgerow planting which fall within measure M1 – buffer and connect ancient woodlands;
 - Hedgerow enhancement which fall within measure M1 – buffer and connect ancient woodland;
 - Mitigation and buffer habitat creation within measure M61 – manage farmed floodplains less intensively to improve their value for biodiversity;
 - Good condition Other neutral grassland creation within measure M20 – Create and buffer new species-rich grassland;
 - Enhancement of grassland to Lowland meadow within measure M20 - Create and buffer new species-rich grassland; and
- 2.2.12. The remaining post-development habitats have been assigned a low strategic significance.

2.3. BNG good practice principles for development

- 2.3.1. The Metric has been designed as a tool to help inform plans and decisions; however, when undertaking BNG assessments this must be undertaken in accordance with set principles outlined in the user guide [Ref. 8]. These are outlined in **Table 2** along with a full justification regarding how each principle has been considered.

Table 2: Statutory metric good practice principles and justification

Biodiversity metric multiplier	Explanation
Principle 1: The metric assessment should be completed by a competent person.	The metric was completed by a senior ecologist with full membership of CIEEM who has 6 years' experience in completing BNG calculations. Technical review carried out by Principal Ecologist and a Technical Director, both of whom are full members of CIEEM.
Principle 2: The use of this biodiversity metric does not override existing biodiversity protections, statutory obligations, policy requirements, ecological mitigation hierarchy or any	Existing levels of protection afforded to protected species and habitats are not changed by use of this or any other metric. Statutory obligations will still need to be satisfied. The Environmental Statement details the presence of protected and/or notable species, sites and habitats, and assesses potential

Biodiversity metric multiplier	Explanation
other requirements. This includes consenting or licensing processes, for example woodlands.	impacts and outlines suitable mitigation measures to address these. The required mitigation measures have been factored into the Proposed Development with a clear distinction made between mitigation and enhancement for biodiversity.
Principle 3: The biodiversity metric should be used in accordance with established good practice guidance and professional codes.	The mitigation hierarchy has been applied to the design of the Proposed Development. The area of permanent habitat loss has been kept to a minimum without compromising the Proposed Development. The habitats that will be created and enhanced within the Order Limits will be appropriate, and of the correct distinctiveness, to compensate for the habitats that will be impacted. This assessment was undertaken in line with guidance from the Chartered Institute of Ecology and Environmental Management, the British Standard for Biodiversity Net Gain (BS 8683) [Ref. 6] and industry best practice [Ref. 7].
Principle 4: The biodiversity metric is not a complex or comprehensive ecological model and is not a substitute for expert ecological advice.	The Applicant acknowledges that the Defra Metric has been kept deliberately simple to be of practical use. The calculations have been undertaken by specialists and input is underpinned by robust baseline evidence and ecological knowledge and experience.
Principle 5: Biodiversity units are a proxy for biodiversity and should be treated as relative values.	The Applicant acknowledges that the Defra Metric is a tool to be used as a means of assessing changes in biodiversity value (losses or gains) brought about by the Proposed Development and is a habitat-based approach to determining a proxy biodiversity value within the Order Limits, and the output does not represent absolute values.
Principle 6: This biodiversity metric is designed to inform decisions in conjunction with locally relevant evidence, expert input, or guidance.	Impacts to protected and notable species and habitats have been fully assessed as part of the Ecological Impact Assessment undertaken for the Proposed Development and is reflected in this BNG Assessment with a clear distinction made between mitigation and enhancement for biodiversity.
Principle 7: Habitat interventions need to be realistic and deliverable	The habitats chosen for creation and enhancement have been selected based on the existing on-site conditions and local context, not

Biodiversity metric multiplier	Explanation
within a relevant project timeframe.	purely to achieve the greatest possible BNG result using the Metric. The post-development habitats will be created, enhanced, managed and maintained in accordance with the Outline LEMP [EN010158/APP/7.6] which will ensure that the habitats achieve their target condition.
Principle 8: Created and enhanced habitats should be, where practical and reasonable, local to any impact and deliver strategically important outcomes for nature conservation.	The created and enhanced habitats to achieve the BNG requirements are all being delivered within the Order Limits and are therefore local to the impacts. The landscape plans have been designed to be in keeping with the local character of the area whilst also being in accordance with the Lawton principles of 'bigger, better, more and joined up' [Ref. 9].
Principle 9: The biodiversity metric does not enforce a minimum habitat size ratio for compensation of losses. Proposals should aim to: • maintain habitat extent - supporting more, bigger, better and more joined up ecological networks • ensure that proposed or retained habitat parcels are of sufficient size for ecological function	Figure 3 details significant areas of habitat creation/enhancement that will be of higher quality than is currently present and provides a buffer of habitats adjacent to existing designated sites. These proposals will ensure that the Proposed Development Site continues to provide an ecological corridor to the wider landscape, facilitating faunal and flora movement.

2.4. Irreplaceable habitats and very high distinctiveness habitats

- 2.4.1. Irreplaceable habitats are habitats which are very difficult (or take a very significant time) to restore, recreate or replace once destroyed, which can be due to their age, uniqueness, species diversity or rarity.
- 2.4.2. Very high distinctiveness habitats are highly threatened, internationally scarce habitats which require conservation action. Impacts to these habitats should be avoided in line with planning policy.
- 2.4.3. Irreplaceable habitats (as provided for in secondary legislation for BNG) do not have a BNG requirement as they are too valuable to be compensated for. As such, any losses to irreplaceable habitats cannot be calculated by the biodiversity metric tool and they are removed from the baseline.

- 2.4.4. Impacts to very high distinctiveness habitat cannot always be adequately compensated for through BNG. Therefore, bespoke compensation can be agreed for impacts to these habitat types.
- 2.4.5. There are irreplaceable veteran and ancient trees present within the Order Limits. These are individual trees which will be retained and protected within the Proposed Development.
- 2.4.6. In order to access areas proposed for landscaping and environmental habitat creation in Parcel 1a, an existing track, located within Romer Wood and Greatsea Wood (ancient woodland within the Order Limits), and which is currently used by maintenance traffic associated with HS2 landscape planting, would be used to allow light vehicles, such as tractors, to access this area for habitat creation works. No loss of ancient woodland would be required as existing access tracks would be utilised and no built development is proposed along the access track. Areas of ancient woodland are also located immediately adjacent to the Order Limits. These will all be retained and protected within the Proposed Development and therefore no offsetting is required.
- 2.4.7. There are no very high distinctiveness habitat types within the Order Limits.

2.5. Assumptions and limitations

- 2.5.1. The assessment is based on the description of the Proposed Development in **ES Volume 1, Chapter 3: Proposed Development Description [EN010158/APP/6.1]** and the **Outline LEMP [EN010158/APP/7.6]** including **Appendix 1: Green Infrastructure Parameters of the Outline LEMP, Appendix 2: Landscape and Ecological Mitigation and Enhancements** and **Appendix 3: Vegetation Removal Parameters**. If the Proposed Development design or Order Limits change, a further BNG assessment may be required.
- 2.5.2. Access constraints meant that the baseline UKHab survey could not be completed in a single survey season. However, a review of aerial photography over the period in which baseline data was collected shows no signs of notable changes in habitat type or land use and as such completion of baseline surveys over several survey seasons is not considered to pose a notable constraint.
- 2.5.3. Less conspicuous plant species (including invasive non-native species) may have been missed as a result of the survey being undertaken outside of the ideal survey season. However, the majority of plants present were confidently identified, and the survey was sufficient to make a broad assessment of the habitats present within the Order Limits.
- 2.5.4. Within the baseline habitat survey, various areas of tussocky arable field margin were identified. In arable fields where the field margins had not been mapped due to them falling below the minimum mappable unit area, a 2 m field margin has now been added as standard. These have been

classified as *Arable field margins tussocky*. The majority of these areas will be transformed into species rich grassland and scrub buffers to hedgerows and woodlands. Arable field margin is a medium distinctiveness habitat which needs to be replaced with the same broad habitat type to balance the trading rules within the metric. As the land is being taken out of arable production, there will not be new arable field margin creation as part of the Proposed Development (excepting some small areas of *Arable field margins game bird mix*, see **Table 9**) and retained margins will lose their arable context. The majority of existing field margins will be incorporated into the proposed hedgerow buffers comprising *Other neutral grassland*, *Mixed scrub* and *Game bird mix*. Therefore these areas have been recorded as lost and recreated as *Other neutral grassland* in moderate condition.

- 2.5.5. A small area of *Arable field margin game bird mix* is proposed. Although this will not be within an area of arable habitat this is considered the most appropriate habitat type to assign to the wild bird mix intended for these areas (as detailed in the **Outline LEMP [EN010158/APP/7.6]**).
- 2.5.6. Up to 37 trees could be lost as part of the Proposed Development, comprising 23 medium, large or very large trees and 14 small trees. These trees are all part of hedgerows, recorded in the baseline survey as various 'hedge with trees' or 'line of trees' habitat types. Therefore, a full condition assessment of each individual tree was not undertaken. However, in line with metric guidance, where a medium, large or very large tree within a hedgerow or line of trees is being removed, this also has to be recorded as an individual tree in the baseline. Therefore, the 23 medium, large or very large trees proposed to be removed have been added to the baseline with a precautionary condition score of 'good'. All trees to be removed will be subject to appropriate assessment regards roosting bats and nesting birds prior to removal. Tree sizes were determined using information from **ES Volume 4, Appendix 7.13: Arboricultural Impact Assessment [EN010158/APP/6.4]**.
- 2.5.7. An **Outline Drainage Strategy [EN010158/APP/7.11]** for the Proposed Development is submitted in support of the DCO Application; however, the final details which will include attenuation basins and grassed swales will be defined at the detailed design stage. The location and sizes of these features are not yet known. Therefore, these have not been considered in this BNG assessment. It is considered that proposed swales will represent an *Other neutral grassland* habitat type analogous with grassland in the hedgerow buffers and therefore including them in the BNG assessment will not alter the overall score. A final BNG assessment will be completed prior to construction starting to take account of any design changes and the drainage arrangements.
- 2.5.8. There are minor differences in the values stated for hedgerow loss and creation and tree loss within the **Outline LEMP [EN010158/APP/7.6]**, **ES Volume 4, Appendix 7.13: Arboricultural Impact Assessment**, **ES Volume 4, Appendix 7.17: Biodiversity Net Gain Assessment**,

[EN010158/APP/6.4] and ES Volume 2, Chapter 7: Biodiversity [EN010158/APP/6.2]. These differences arise due to the data used within the **Outline LEMP [EN010158/APP/7.6]** being based on topographical survey data and aerial photography and data used with **ES Volume 4, Appendix 7.13: Arboricultural Impact Assessment** based on BS5837:2012 survey data, supported by topographical baseline mapping. The data used within **ES Volume 4, Appendix 7.17: Biodiversity Net Gain Assessment [EN010158/APP/6.4]** and **ES Volume 2, Chapter 7: Biodiversity [EN010158/APP/6.2]** is based on data collected as part of UKHab surveys detailed within **ES Volume 4, Appendix 7.7: Preliminary Ecological Appraisal (2025) [EN010158/APP/6.4]**. While the locations of proposed vegetation removal and creation are accurately represented, variations may occur in the description of what is impacted. This is due to differences in classification methodologies applied to vegetation and trees across the respective disciplines.

- 2.5.9. Within the baseline each habitat parcel, hedgerow and tree has been given a unique habitat reference. Individual areas have been separated out within the baseline metric tabs where possible. The habitat reference number column contains the habitat reference number for each parcel which also appears in the condition assessment tables in **Annex B** and on **Figure 2**. Lines have been combined for areas without condition assessments (i.e. *Developed land*; *sealed surface* and *Cereal crops*). This has been done as the number of individual habitat areas are over the limit of rows available within the metric document.
- 2.5.10. Within the post-development tab of the Metric each habitat parcel, and hedgerow was assigned a unique post-development habitat reference. These can be found in the habitat reference number column of the post-construction tabs within the Metric and on **Figure 3**. In the post-development tabs of the Meric, polygons of the same habitat type have been combined into a single row.
- 2.5.11. No delay in starting habitat creation has been applied to any habitats within the Metric. This is because there is not anticipated to be a significant delay between habitat removal, and the habitat creation works.
- 2.5.12. A 1-year advance in habitat creation has been applied to a number of the woodland blocks and newly created hedgerows (which aren't reinstatement of existing hedge sections which will be lost). Based on the assumption of construction being undertaken in 2029, the implementation of these habitats would be planned for 2028.
- 2.5.13. A 3-year delay in habitat creation has been applied to the proposed *Lowland meadow* enhancement to reflect the fact that a period of nutrient stripping may be required in order to achieve this habitat type.
- 2.5.14. The assessment has also been updated to reflect the removal of Solar PV Modules in Fields B6, B7 (partially) and B8 and updated management proposals within Fields B5, B6, B7 and B8. These fields have been entered as modified grassland in poor condition to reflect that the

proposed grazing prescriptions in these fields will likely be at a higher intensity than grazing proposals within in the mitigation areas.

- 2.5.15. An increase in buffer width from Shrubs Wood in Field B10 has been discussed and agreed with Buckinghamshire Council. The assessment will be updated at Deadline 6 to take into account the increased buffer width in Field B10.
- 2.5.16. In respect to watercourses, this BNG assessment is based on current bridge and outfall designs as described in the drainage plan. Any updates to these designs will require an assessment on their impact on the watercourses present.

3. Results

3.1. Overview

- 3.1.1. To calculate the overall biodiversity accounting position for the Proposed Development, the BU values for the existing habitats (pre-development) and the proposed newly created/enhanced habitats (post-development) need calculating.
- 3.1.2. The full results of this assessment are presented in **Biodiversity Net Gain Assessment BNG Statutory Metric [EN010158/APP/6.4.3]** and summarised in **Annex A**, with the habitat condition sheets presented in **Annex B** (pre-development) and **Annex C** (post-development).

3.2. Pre-development

- 3.2.1. The Order Limits predominantly consist of agricultural fields (mostly arable with some grassland) interspersed with hedgerows, small woodland blocks, ponds and farm access tracks. Several minor watercourses run adjacent to or within the Order Limits, including the Claydon Brook and tributaries, alongside small field drains and ditches that run parallel to numerous field boundaries.
- 3.2.2. The UKHab Plan (**Figure 2**) has been used to determine all of the habitats present within the Order Limits before construction. UKHab names appear in italics.
- 3.2.3. It should be noted that the habitats' description below does not include areas of Ancient Woodland such as Sheepphouse and Finemere Wood that lie outside, but in close proximity to, the Order Limits, as they do not sit within the Order Limits and therefore do not fall under the scope of this assessment. They have not been subject to survey. These Ancient Woodlands will be retained and protected by appropriate buffers.

Other neutral grassland (g3c)

- 3.2.4. Within the Order Limits 68 parcels of *Other neutral grassland* were recorded. No areas scored good condition. Common species included Crested Dog's-tail (*Cynosurus cristatus*), Cock's-foot (*Dactylis glomerata*), Creeping Buttercup (*Ranunculus repens*), Sweet Vernal-grass (*Anthoxanthum odoratum*) and Meadow Foxtail (*Alopecurus pratensis*).

Modified grassland (g4)

- 3.2.5. Within the Order Limits 42 parcels fell into this classification and were largely used for pasture, grazing cattle or sheep. Species included Perennial Rye-grass (*Lolium perenne*), Meadow-grass (*Poa* sp.), Yorkshire-fog (*Holcus lanatus*) and White Clover (*Trifolium repens*). The majority of these areas were in poor condition having failed essential Criterion A by having a low species diversity. A smaller number of the

areas passed this criterion and were therefore in either moderate or good condition.

Lowland mixed deciduous woodland (w1f)

- 3.2.6. Six areas of this priority habitat type were recorded throughout the Order Limits. The majority of these were located on boundaries between fields or adjacent to watercourses. All of the areas were in moderate condition. Species recorded within the woodlands included Pedunculate Oak (*Quercus robur*), Horse-chestnut (*Aesculus hippocastanum*), Hornbeam (*Carpinus betulus*), Ash (*Fraxinus excelsior*), Lime (*Tilia platyphyllos* x *cordata* = *T. x europaea*), poplar (*Populus* sp.) and cherry (*Prunus* sp.). The majority contained an understory consisting of Hawthorn (*Crataegus monogyna*), Bramble (*Rubus fruticosus* agg.) and Blackthorn (*Prunus spinosa*) with one also including elm (*Ulmus* sp.). Ground layer species included Common Nettle (*Urtica dioica*), Hogweed (*Heracleum sphondylium*) and Cow Parsley (*Anthriscus sylvestris*).

Other woodland; broadleaved (w1g)

- 3.2.7. Areas of *Other woodland; broadleaved* were found throughout the Order Limits, generally in small pockets between fields. The majority of these areas were in moderate condition with smaller numbers being in poor or good condition. Common species included Pedunculate Oak, White Poplar (*Populus alba*), Ash, Apple (*Malus pumila*), Field Maple (*Acer campestre*), Lime and Hornbeam. Some areas contained non-native species including Turkey Oak (*Quercus cerris*). Typical understory species included Hawthorn, Blackthorn and Bramble. Typical ground layer species included Hogweed, dock species (*Rumex* sp.), Common Nettle, Cow Parsley and grass species.

Other woodland; mixed (w1h)

- 3.2.8. Three areas of mixed coniferous and broadleaved woodland were recorded. These were primarily in the east of the Order Limits with species comprising oak (*Quercus* sp.), White Poplar, Cherry, Hawthorn and a mixture of coniferous trees. Two of these areas were in moderate condition with one achieving a poor condition.

Bramble scrub (h3d)

- 3.2.9. There were four patches of *Bramble scrub* recorded throughout the Order Limits. This habitat type has a pre-determined condition of 'condition assessment N/A' within the Metric.

Mixed scrub (h3h)

- 3.2.10. There were seven areas of *Mixed scrub* recorded with conditions ranging from poor to good. These were all small pockets of scrub with species

including Blackthorn, Hawthorn, Bramble, willow (*Salix* sp.) and Ash. The majority of these were in moderate condition.

Reedbeds (f2e)

- 3.2.11. There was one parcel of *Reedbed* within the Order Limits. The reedbed appeared to be man-made with cut water channels running throughout it. This habitat was in poor condition.

Cereal crops (c1c)

- 3.2.12. Many of the agricultural fields within the Order Limits contained *Cereal crops* including Barley (*Hordeum vulgare*), Oat (*Avena sativa*) and wheat (*Triticum* sp.). This habitat type has a pre-determined condition of 'condition assessment N/A' within the Metric.

Non-cereal crops (c1d)

- 3.2.13. Some of the arable fields within the Order Limits contained *non-cereal crops* including legumes (*Fabaceae* sp.). This habitat type has a pre-determined condition of 'condition assessment N/A' within the Metric.

Temporary grass and clover leys (c1b)

- 3.2.14. Two fields within the Order Limits contained a temporary ley of White Clover and Perennial Rye-grass. This habitat type has a pre-determined condition of 'condition assessment N/A' within the Metric.

Arable field margins tussocky (c1a5)

- 3.2.15. Many of the arable fields within the Order Limits were bordered by arable field margins. Species commonly recorded within the margins comprised Common Bent (*Agrostis capillaris*), False Oat-grass (*Arrhenatherum elatius*), Yorkshire-fog, Perennial Rye-grass, Meadow Foxtail, Meadow-grasses, Crested Dog's-tail, Timothy (*Phleum pratense*), Common Couch (*Elytrigia repens*), Black-grass (*Alopecurus myosuroides*), Soft-brome (*Bromus hordeaceus*), Redshank (*Persicaria maculosa*), Creeping Buttercup, Creeping Thistle (*Cirsium arvense*) and Hogweed.

Ponds (non-priority habitat) (r1)

- 3.2.16. There were ten ponds classified as non-priority habitat within the Order Limits. Species included Pendulous Sedge (*Carex pendula*), Branched Bur-reed (*Sparganium erectum*), Fool's-water-cress (*Helosciadium nodiflorum*), Soft-rush (*Juncus effusus*) and Bulrush (*Typha latifolia*). These ponds ranged from good to poor condition.

Ponds (priority habitat) (r1)

- 3.2.17. There were nine ponds classified as priority habitat within the Order Limits. Species included Branched Bur-reed. These ponds were classified as priority habitat due to the presence of great crested newt (*Triturus cristatus*). All but one of these ponds was in moderate condition, with one scoring poor condition.

Artificial unvegetated, unsealed surface (u1c)

- 3.2.18. Farm tracks comprising *Artificial unvegetated, unsealed surface* were present throughout the Order Limits. This habitat type has a pre-determined condition of 'N/A – Other' within the Metric.

Developed land; sealed surface (u1b)

- 3.2.19. Buildings, roads and other areas of hardstanding within the Order Limits fall within this category. This habitat type has a pre-determined condition of 'N/A – Other' within the Metric.

Vegetated garden (u1)

- 3.2.20. One parcel of *Vegetated garden* was recorded adjacent to a farm building within the Order Limits. This habitat type has a pre-determined condition of 'condition assessment N/A' within the Metric.

Individual trees

- 3.2.21. The Order Limits contain a total of 184 scattered trees ranging from small to very large in size. These ranged in condition from poor to good, with the majority being in good condition. There were also three veteran and one ancient tree within the Order Limits, which are irreplaceable habitats with any loss being unacceptable within the Metric. Species included Pedunculate Oak, Ash and Large-leaved Lime (*Tilia platyphyllos*).

Lines of trees

- 3.2.22. There were ten lines of trees recorded throughout the Order Limits with two being classified as an *ecologically valuable line of trees* due to the presence of mature trees within the line. Species included willow, apple, Lime, White Poplar, Sycamore (*Acer pseudoplatanus*), Wild Cherry (*Prunus avium*), Ash and Pedunculate Oak. The majority of these were in moderate condition with two being in poor condition.

Hedgerows

- 3.2.23. There is a total of 248 hedgerows within the Order Limits separating fields and along the boundary of the Order Limits. These included species-rich hedgerows, hedgerows with trees and hedgerows associated with a bank or ditch. The majority of the hedgerows were in good or moderate

condition. Common species included Hawthorn, Blackthorn, Ash and Bramble.

Ditches

- 3.2.24. There were five ditches identified within the Order Limits. Species included Soft-rush, False Fox-sedge (*Carex otrubae*), horsetail (*Equisetum* sp.) and Hard Rush (*Juncus inflexus*). Three of the ditches were in good condition and two in poor condition. All ditches present were subject to a degree of riparian encroachment.

Other rivers and streams

- 3.2.25. East Claydon Brook was split into two sections for the purposes of the MoRPh survey. The longer section which makes up the eastern boundary of much of the Order Limits was assessed as being in fairly poor condition. A very small section which runs east to west in the north of the Order Limits was assessed as being in moderate condition. The Order Limits also contained two smaller watercourses, the Muxwell Brook and a tributary of the Padbury Brook. These were largely in moderate condition with a small section of the Muxwell Brook being in fairly poor condition. All rivers and streams (excepting the Muxwell Brook) were subject to a degree of riparian encroachment on at least one bank.
- 3.2.26. Full details of the MoRPh survey can be found in **Annex B**.

Area habitats

- 3.2.27. The total area of each area habitat recorded within the Order Limits before construction, the condition of each habitat (i.e. its current status), its strategic significance and a summary of the BUs this represents, are all presented in **Table 3**. Total area and unit values have been taken from the Metric, but these may not exactly match the totals of the individual numbers within the tables. This is because of minor rounding differences.

Table 3: Baseline biodiversity unit values for each habitat recorded within the Order Limits before construction

Habitat type (UKHab classification)	Baseline habitat condition	Area (ha)	Strategic significance	Baseline BU value
Developed land; sealed surface	N/A - Other	15.64	Low	0.00
Artificial unvegetated, unsealed surface	N/A - Other	0.59	Low	0.00

Habitat type (UKHab classification)	Baseline habitat condition	Area (ha)	Strategic significance	Baseline BU value
Bramble scrub	Condition Assessment N/A	0.19	Low	0.76
Cereal crops	Condition Assessment N/A	348.14	Low	696.28
Arable field margins tussocky	Condition Assessment N/A	21.45	Low	85.80
Lowland mixed deciduous woodland	Moderate	1.23	Low	14.76
Mixed scrub	Good	0.07	Low	0.84
Mixed scrub	Moderate	1.27	Low	10.16
Mixed scrub	Poor	0.04	Low	0.16
Modified grassland	Good	19.21	Low	115.26
Modified grassland	Moderate	3.45	Low	13.8
Modified grassland	Poor	113.87	Low	227.74
Non-cereal crop	Condition Assessment N/A	24.29	Low	48.58
Other neutral grassland	Moderate	76.76	Low	614.08
Other neutral grassland	Poor	33.59	Low	134.36
Other woodland; broadleaved	Good	0.59	Low	7.08
Other woodland; broadleaved	Moderate	4.58	Low	36.64
Other woodland; broadleaved	Poor	0.82	Low	3.28
Other woodland; mixed	Moderate	0.4	Low	3.2
Other woodland; mixed	Poor	0.94	Low	3.76
Ponds (non-priority habitat)	Good	0.03	Low	0.36
Ponds (non-priority habitat)	Moderate	0.06	Low	0.48
Ponds (non-priority habitat)	Poor	0.23	Low	0.92
Ponds (priority habitat)	Moderate	0.19	Low	2.28
Ponds (priority habitat)	Poor	>0.01	Low	>0.01
Reedbeds	Poor	0.46	Low	2.76
Ruderal/ephemeral	Poor	0.06	Low	0.12

Habitat type (UKHab classification)	Baseline habitat condition	Area (ha)	Strategic significance	Baseline BU value
Temporary grass and clover leys	Condition Assessment N/A	6.90	Low	13.80
Vegetated garden	Condition Assessment N/A	0.03	Low	0.06
Rural tree	Good	4.56	Low	53.86
Rural tree	Moderate	0.88	Low	7.05
Rural tree	Poor	0.19	Low	0.10
Total	Area with individual trees	680.72		2098.33*
	Area without individual trees	675.08		

* values rounded to 2 decimals places where appropriate

3.2.28. The total area of each existing area habitat that will be lost, retained or enhanced within the Order Limits and a summary of the BUs this represents, are all presented in **Table 4**.

Table 4: Extent of baseline area habitats being lost, retained and enhanced within Order Limits along with their associated biodiversity unit values

Habitat type (UKHab classification)	Baseline habitat condition	Area lost (ha)	Areas retained (ha)	Area enhanced (ha)	Forecast BU lost	Forecast BU retained	Baseline BU enhanced
Developed land; sealed surface	N/A - Other	0.18	15.46	0	0	0	0
Artificial unvegetated unsealed surface	N/A - Other	0.10	0.49	0	0	0	0
Bramble scrub	Condition Assessment N/A	0.03	0.16	0	0.12	0.64	0

Habitat type (UKHab classification)	Baseline habitat condition	Area lost (ha)	Areas retained (ha)	Area enhanced (ha)	Forecast BU lost	Forecast BU retained	Baseline BU enhanced
Cereal crops	Condition Assessment N/A	292.27	55.87	0	584.54	111.74	0
Arable field margins tussocky	Condition Assessment N/A	21.45	0	0	85.80	0	0
Lowland mixed deciduous woodland	Moderate	0	1.23	0	0	14.76	0
Mixed scrub	Good	0.05	0.02	0	0.60	0.24	0
Mixed scrub	Moderate	0.58	0.69	0	4.64	5.52	0
Mixed scrub	Poor	0.04	0	0	0.16	0	0
Modified grassland	Good	6.31	12.90	0	37.86	77.40	0
Modified grassland	Moderate	0	3.45	0	0	13.80	0
Modified grassland	Poor	73.53	40.34	0	147.06	80.68	0
Non-cereal crop	Condition Assessment N/A	24.28	0.01	0	48.56	0.02	0
Other neutral grassland	Moderate	18.41	49.38	8.97	147.28	395.04	71.76
Other neutral grassland	Poor	3.07	30.52	0	12.28	122.08	0
Other woodland; broadleaved	Good	0	0.59	0	0	7.08	0
Other woodland; broadleaved	Moderate	0.07	4.51	0	0.56	36.08	0
Other woodland; broadleaved	Poor	0	0.82	0	0	3.28	0
Other woodland; mixed	Moderate	0	0.40	0	0	3.20	0

Habitat type (UKHab classification)	Baseline habitat condition	Area lost (ha)	Areas retained (ha)	Area enhanced (ha)	Forecast BU lost	Forecast BU retained	Baseline BU enhanced
Other woodland; mixed	Poor	0	0.94	0	0	3.76	0
Ponds (non-priority habitat)	Good	0	0.03	0	0	0.36	0
Ponds (non-priority habitat)	Moderate	0.00	0.06	0	0.00	0.48	0
Ponds (non-priority habitat)	Poor	0	0.23	0	0	0.92	0
Ponds (priority habitat)	Moderate	0	0.19	0	0	2.28	0
Ponds (priority habitat)	Poor	0	0	0	0	0	0
Reedbeds	Poor	0	0.46	0	0	2.76	0
Ruderal/ephemeral	Poor	0.06	0	0	0.12	0	0
Temporary grass and clover leys	Condition Assessment N/A	0	6.90	0	0	13.80	0
Vegetated garden	Condition Assessment N/A	0	0.03	0	0	0.06	0
Rural tree	Good	0.50	4.07	0	5.95	47.91	0
Rural tree	Moderate	0	0.88	0	0	7.05	0
Rural tree	Poor	0	0.19	0	0	0.10	0
Total (excluding area of individual trees)		440.51*	225.60	8.97	1076.17	950.40	71.76
Total (including area of individual trees)		441.01*	230.74	8.97			

* values rounded to 2 decimals places where appropriate

Hedgerows

3.2.29. The total length of each hedgerow recorded within the Order Limits before construction, the condition of each habitat (i.e. its current status) and a summary of the BUs this represents, are all presented in **Table 5**.

Table 5: Baseline biodiversity unit values for each hedgerow recorded within the Order Limits before construction

Habitat type (UKHab classification)	Baseline habitat condition	Length (km)	Strategic significance	Baseline BU value
Native hedgerow	Good	5.52	Low	33.12
Native hedgerow	Moderate	6.49	Low	25.96
Native hedgerow	Poor	2.80	Low	5.60
Native hedgerow - associated with bank or ditch	Good	2.98	Low	35.76
Native hedgerow - associated with bank or ditch	Moderate	0.42	Low	3.36
Native hedgerow with trees	Good	4.45	Low	53.4
Native hedgerow with trees	Moderate	5.12	Low	40.96
Native hedgerow with trees	Poor	0.86	Low	3.44
Native hedgerow with trees - associated with bank or ditch	Good	5.13	Low	92.34
Native hedgerow with trees - associated with bank or ditch	Moderate	4.21	Low	50.52
Native hedgerow with trees - associated with bank or ditch	Poor	0.46	Low	2.76
Non-native and ornamental hedgerow	Poor	0.11	Low	0.11
Species-rich native hedgerow	Good	0.97	Low	11.64

Habitat type (UKHab classification)	Baseline habitat condition	Length (km)	Strategic significance	Baseline BU value
Species-rich native hedgerow	Moderate	0.64	Low	5.12
Species-rich native hedgerow	Poor	0.02	Low	0.08
Species-rich native hedgerow - associated with bank or ditch	Good	4.00	Low	72.00
Species-rich native hedgerow with trees	Good	2.80	Low	50.40
Species-rich native hedgerow with trees	Moderate	0.99	Low	11.88
Species-rich native hedgerow with trees	Poor	0.29	Low	1.74
Species-rich native hedgerow with trees - associated with bank or ditch	Good	3.49	Low	83.76
Species-rich native hedgerow with trees - associated with bank or ditch	Moderate	1.01	Low	16.16
Species-rich native hedgerow with trees - associated with bank or ditch	Poor	0.32	Low	2.56
Ecologically valuable line of trees	Moderate	0.36	Low	2.88
Line of trees	Moderate	0.90	Low	3.60
Line of trees	Poor	0.07	Low	0.14
Total		54.41		609.29

3.2.30. The total length of each existing hedgerow that will be lost, retained or enhanced within the Order Limits and a summary of the BUs this represents, are all presented in **Table 6**.

Table 6: Extent of baseline hedgerows being lost, retained and enhanced within the Order Limits along with their associated biodiversity unit values

Habitat type	Baseline habitat condition	Length lost (km)	Length retained (km)	Length enhanced (km)	Baseline BU lost	Baseline BU retained	Baseline BU enhanced
Native hedgerow	Good	0.41	0.51	4.6	2.46	3.06	27.6
Native hedgerow	Moderate	0.35	0.05	6.09	1.4	0.2	24.36
Native hedgerow	Poor	0.08	0	2.72	0.16	0	5.44
Native hedgerow - associated with bank or ditch	Good	0.05	0	2.93	0.6	0	35.16
Native hedgerow - associated with bank or ditch	Moderate	0.01	0	0.41	0.08	0	3.28
Native hedgerow with trees	Good	0.02	4.43	0	0.24	53.16	0
Native hedgerow with trees	Moderate	0.10	0	5.02	0.80	0	40.16
Native hedgerow with trees	Poor	0.05	0	0.81	0.20	0	3.24
Native hedgerow with trees - associated with bank or ditch	Good	0.26	4.87	0	4.68	87.66	0
Native hedgerow with trees - associated with bank or ditch	Moderate	0.20	0.02	3.99	2.4	0.24	47.88
Native hedgerow with trees - associated with bank or ditch	Poor	0	0	0.46	0	0	2.76
Non-native and ornamental hedgerow	Poor	0	0.11	0	0	0.11	0

Habitat type	Baseline habitat condition	Length lost (km)	Length retained (km)	Length enhanced (km)	Baseline BU lost	Baseline BU retained	Baseline BU enhanced
Species-rich native hedgerow	Good	0.02	0	0.95	0.24	0	11.4
Species-rich native hedgerow	Moderate	0.01	0	0.63	0.08	0	5.04
Species-rich native hedgerow	Poor	0	0.02	0	0	0.08	0
Species-rich native hedgerow - associated with bank or ditch	Good	0.21	0.25	3.54	3.78	4.50	63.72
Species-rich native hedgerow with trees	Good	0.01	2.79	0	0.18	50.22	0
Species-rich native hedgerow with trees	Moderate	0.04	0.46	0.49	0.48	5.52	5.88
Species-rich native hedgerow with trees	Poor	0	0	0.29	0	0	1.74
Species-rich native hedgerow with trees - associated with bank or ditch	Good	0.10	3.39	0	2.40	81.36	0
Species-rich native hedgerow with trees - associated with bank or ditch	Moderate	0.03	0	0.98	0.48	0	15.68
Species-rich native hedgerow with trees - associated with bank or ditch	Poor	0	0	0.32	0	0	2.56

Habitat type	Baseline habitat condition	Length lost (km)	Length retained (km)	Length enhanced (km)	Baseline BU lost	Baseline BU retained	Baseline BU enhanced
Ecologically valuable line of trees	Moderate	0.06	0.30	0	0.48	2.40	0
Line of trees	Moderate	0.05	0.85	0	0.20	3.40	0
Line of trees	Poor	0	0.07	0	0	0.14	0
Total		2.06	18.12	34.23	21.34	292.05	295.90

Watercourses

3.2.31. The total length of each watercourse recorded within the Order Limits before construction, the condition of each habitat (i.e. its current status) and a summary of the BUs this represents, are all presented in **Table 7**.

Table 7: Baseline biodiversity unit values for each watercourse recorded within the Order Limits before construction

Habitat type (UKHab classification)	Baseline habitat condition	Length (km)	Watercourse encroachment	Riparian encroachment (left bank)	Riparian encroachment (right bank)	Strategic significance	Baseline BU value
Ditches	Good	0.55	No Encroachment	Major	Major	Low	4.95
Ditches	Poor	0.12	No Encroachment	Major	No Encroachment	Low	0.42
Ditches	Poor	0.14	No Encroachment	Major	Major	Low	0.42
Other rivers and streams	Fairly poor	0.18	No Encroachment	No Encroachment	No Encroachment	Low	1.62
Other rivers and streams	Fairly poor	2.80	No Encroachment	Major	Major	Low	18.90

Habitat type (UKHab classification)	Baseline habitat condition	Length (km)	Watercourse encroachment	Riparian encroachment (left bank)	Riparian encroachment (right bank)	Strategic significance	Baseline BU value
Other rivers and streams	Moderate	0.25	No Encroachment	No Encroachment	Encroachment	Low	3.00
Other rivers and streams	Moderate	0.22	No Encroachment	Minor	No Encroachment	Low	2.59
Other rivers and streams	Moderate	0.08	No Encroachment	Major	Major	Low	0.72
Total		4.33					32.56

3.2.32. The total length of each existing watercourse that will be lost, retained or enhanced within the Order Limits and a summary of the BUs this represents, are all presented in **Table 8**.

Table 8: Extent of baseline watercourse being lost, retained and enhanced within the Order Limits along with their associated biodiversity unit values

Habitat type	Baseline habitat condition	Length lost (km)	Length retained (km)	Length enhanced (km)	Baseline BU lost	Baseline BU retained	Baseline BU enhanced
Ditches	Good	0	0.27	0.28	0	2.43	2.52
Ditches	Poor	0	0.12	0.14	0	0.27	0.42
Other rivers and streams	Fairly poor	0.01	0.18	2.79	0.05	1.62	18.83
Other rivers and streams	Moderate	0.01	0.47	0.07	0.05	5.59	0.63
Total		0.01	1.04	3.28	0.10	10.05	22.40

3.3. Post-development

3.3.1. The landscape plans (**Figure 3**) have been used to identify all the habitats that will be created, enhanced or retained within the Order Limits after

construction. There are no proposed biodiversity offsets off-site for the Proposed Development. Total area and unit values have been taken from the Metric, but these may not match the exact totals of the individual numbers within the tables. This is because of rounding differences.

Area habitats

- 3.3.2. A breakdown of areas for each proposed area habitat retained, created or enhanced post-development within Order Limits and a summary of the BUs this represents are presented in **Table 9**.

Table 9: Post-development habitat biodiversity unit values within the Order Limits based on the current design

Habitat type	Forecast habitat condition	Strategic significance	Forecast area (ha)	Forecast BU value
Retained habitats				
Artificial unvegetated, unsealed surface	N/A - Other	Low	0.49	0
Bramble scrub	Condition Assessment N/A	Low	0.16	0.64
Cereal crops	Condition Assessment N/A	Low	55.87	111.74
Developed land; sealed surface	N/A - Other	Low	15.46	0
Lowland mixed deciduous woodland	Moderate	Low	1.23	14.76
Mixed scrub	Good	Low	0.02	0.24
Mixed scrub	Moderate	Low	0.69	5.52
Modified grassland	Good	Low	12.90	77.40
Modified grassland	Moderate	Low	3.45	13.80
Modified grassland	Poor	Low	40.34	80.68
Non-cereal crops	Condition Assessment N/A	Low	0.01	0.02
Other neutral grassland	Moderate	Low	49.30	394.40
Other neutral grassland	Poor	Low	30.52	122.08
Other woodland; broadleaved	Good	Low	0.59	7.08
Other woodland; broadleaved	Moderate	Low	4.51	36.08

Habitat type	Forecast habitat condition	Strategic significance	Forecast area (ha)	Forecast BU value
Other woodland; broadleaved	Poor	Low	0.82	3.28
Other woodland; mixed	Moderate	Low	0.40	3.20
Other woodland; mixed	Poor	Low	0.94	3.76
Ponds (non-priority habitat)	Good	Low	0.03	0.36
Ponds (non-priority habitat)	Moderate	Low	0.06	0.48
Ponds (non-priority habitat)	Poor	Low	0.23	0.92
Ponds (priority habitat)	Moderate	Low	0.19	2.28
Reedbeds	Poor	Low	0.46	2.76
Temporary grass and clover leys	Condition Assessment N/A	Low	6.90	13.80
Vegetated garden	Condition Assessment N/A	Low	0.03	0.06
Rural tree	Good	Low	4.07	47.91
Rural tree	Moderate	Low	0.88	7.05
Rural tree	Poor	Low	0.19	0.10
Created habitats				
Ponds (non-priority habitat)	Moderate	Low	0.06	0.43
Developed land; sealed surface	N/A - Other	Low	47.51	0
Other woodland; broadleaved	Poor	Low	3.24	11.24
Other woodland; broadleaved	Poor	High	5.26	20.59
Other neutral grassland	Good	Low	50.91	427.82
Other neutral grassland	Good	High	28.60	276.39
Other neutral grassland	Moderate	Low	49.91	334.13
Other neutral grassland	Poor	Low	235.59	877.55
Modified grassland	Poor	Low	14.24	27.48
Mixed scrub	Moderate	Low	0.69	4.62
Mixed scrub	Moderate	High	2.98	22.94

Habitat type	Forecast habitat condition	Strategic significance	Forecast area (ha)	Forecast BU value
Arable field margins game bird mix	Condition Assessment N/A	Low	1.51	5.83
Enhanced habitats				
Lowland meadow	Moderate	High	8.97	117.32
Total (without individual trees)			675.08	3076.73
Total (with individual trees)			680.21	

3.3.3. The post-development biodiversity accounting calculations for area habitats have been undertaken using the following assumptions based on the landscape plans presented in **Figure 3** and the **Outline LEMP [EN010158/APP/7.6]**:

- The proposed siting zones for BESS, Main Collector Compound and Satellite Collector Compounds have all been included as *Developed land; sealed surface* within the Metric.
- Proposed ecological ponds (and former ponds with potential to be restored) have been included as *Ponds (non-priority habitat)* in moderate condition.
- Indicative areas for Solar PV development have been included as 95% *Other neutral grassland* in poor condition to account for the shading produced by the panels. The remaining 5% of this area has been recorded as *Developed land; sealed surface* to account for the legs of the panels.
- Indicative mitigation areas for ground nesting birds and bats have been included as *Other neutral grassland* in good condition. This will create a habitat suitable for foraging bats and ground nesting birds.
- The indicative general mitigation area has been included as 95% *Other neutral grassland* in good condition with the remaining 5% being *Mixed scrub* in moderate condition which will create a habitat mosaic suitable for a wide range of species.
- The indicative mitigation buffers around woodlands for bats has been included as 90% *Other neutral grassland* in moderate condition and the remaining 10% as *Mixed scrub* in moderate condition. With the shading from the woodland and scrub moderate is considered to be an appropriate condition for the grassland in this area.
- The indicative mitigation corridor for bats has been included as 90% *Other neutral grassland* in moderate condition and the remaining 10% as *Mixed scrub* in moderate condition. With the shading from the hedgerows and scrub, moderate is considered to be an appropriate condition for the grassland in this area.

- Indicative mitigation buffers along hedgerows for bats have been included as 90% *Other neutral grassland* in moderate condition (due to the shading from adjacent hedgerow), 5% *Mixed scrub* in moderate condition and 5% *Arable field margin game bird mix*. The arable field margins will be in distinct areas adjacent to areas likely to attract wild birds including woodlands and nesting bird mitigation. This will provide suitable habitat for farmland bird species. Although no arable land is being created, it has been decided to call this habitat type *Arable field margin game bird mix* as this is what is considered to be the closest habitat type for the wild bird seed mix proposed for these areas.
 - Indicative mitigation buffers along key Public Rights of Way and indicative mitigation buffer along Public Rights of Way has been included as *Other neutral grassland* in poor condition as this habitat is likely to experience a high level of disturbance.
 - Indicative ecological enhancement/mitigation screening has been included as *Other woodland, broadleaved* in poor condition. The indicative mitigation screening which is labelled as early planting has also been included as *Other woodland, broadleaved* in poor condition with one-year advanced planting applied.
 - The indicative enhancement areas along watercourses has been included as *Other neutral grassland* in moderate condition as the OLEMP suggests that this area will resemble a wet grassland habitat.
 - Two fields (baseline fields 533 and 544) will be enhanced from moderate condition *Other neutral grassland* to moderate condition *Lowland meadow*. These fields were selected as they were in moderate condition at the baseline and therefore the most suitable for further enhancement. Soil nutrient testing will be conducted preconstruction and if required a period of nutrient stripping enacted, as detailed within the **Outline LEMP [EN010158/APP/7.6.5]**. A 3-year delay in habitat creation has been applied to the proposed Lowland meadow enhancement to reflect the fact that a period of nutrient stripping may be required in order to achieve this habitat type.
 - Area set aside for unrestricted grazing has been included as *Modified grassland* in poor condition. This has been used a precautionary habitat type and condition to reflect the fact that grazing will be unrestricted in these areas so a diverse sward may not be possible.
 - Existing woodland, existing ponds and all other non-shaded areas have been recorded as retained habitat with no change in condition.
- 3.3.4. The planting schedules and seed mixes for each newly created area habitat are detailed within the **Outline LEMP [EN010158/APP/7.6]**.
- 3.3.5. Condition assessment criteria for newly created and enhanced area habitats are provided in **Annex C**.

Hedgerows

3.3.6. A breakdown of lengths for each proposed hedgerow, retained, created or enhanced post-development within the Order Limits and a summary of the BUs this represents are presented in **Table 10**.

Table 10: Post-development hedgerow biodiversity unit values within the Order Limits based on the current design

Habitat type	Forecast habitat condition	Strategic significance (Post-construction)	Forecast length (km)	Forecast BU value
Retained habitats				
Native hedgerow	Good	Low	0.51	3.06
Native hedgerow	Moderate	Low	0.05	0.20
Native hedgerow - associated with bank or ditch	Good	Low	0	0
Native hedgerow with trees	Good	Low	4.43	53.16
Native hedgerow with trees - associated with bank or ditch	Good	Low	4.87	87.66
Native hedgerow with trees - associated with bank or ditch	Moderate	Low	0.02	0.24
Non-native and ornamental hedgerow	Poor	Low	0.11	0.11
Species-rich native hedgerow	Poor	Low	0.02	0.08
Species-rich native hedgerow - associated with bank or ditch	Good	Low	0.25	4.5
Species-rich native hedgerow with trees	Good	Low	2.79	50.22

Habitat type	Forecast habitat condition	Strategic significance (Post-construction)	Forecast length (km)	Forecast BU value
Species-rich native hedgerow with trees	Moderate	Low	0.46	5.52
Species-rich native hedgerow with trees - associated with bank or ditch	Good	Low	3.39	81.36
Ecologically valuable line of trees	Moderate	Low	0.30	2.40
Line of trees	Moderate	Low	0.85	3.40
Line of trees	Poor	Low	0.07	0.14
Enhanced habitat				
Native hedgerow with trees	Good	Low	9.87	102.28
Native hedgerow with trees	Good	High	5.84	69.77
Native hedgerow with trees	Moderate	Low	2.17	14.30
Native hedgerow with trees	Moderate	High	1.36	9.71
Native hedgerow with trees - associated with bank or ditch	Good	Low	4.33	72.49
Native hedgerow with trees - associated with bank or ditch	Good	High	3.00	57.23
Native hedgerow with trees - associated with bank or ditch	Moderate	Low	0.46	4.99
Species-rich native hedgerow with trees	Good	Low	0.85	13.48
Species-rich native hedgerow with trees	Good	High	1.22	22.77
Species-rich native hedgerow with trees	Moderate	Low	0.29	3.15

Habitat type	Forecast habitat condition	Strategic significance (Post-construction)	Forecast length (km)	Forecast BU value
Species-rich native hedgerow with trees - associated with bank or ditch	Good	Low	2.60	58.05
Species-rich native hedgerow with trees - associated with bank or ditch	Good	High	1.92	49.47
Species-rich native hedgerow with trees - associated with bank or ditch	Moderate	Low	0.32	4.63
Created habitats				
Species-rich native hedgerow with trees	Good	Low	1.73	15.65
Species-rich native hedgerow with trees	Good	High	2.39	24.26
Species-rich native hedgerow with trees - associated with bank or ditch	Good	Low	0.05	0.59
Total			56.52	814.87

3.3.7. The post-development biodiversity accounting calculations for hedgerows have been undertaken using the following assumptions based on the landscape plans presented in **Figure 3** and the **Outline LEMP [EN010158/APP/7.6]**:

- Newly created hedges (including those labelled as replanted hedgerows) have been included as *Species rich native hedgerows with trees*. The OLEMP indicates that these hedges will be planted with five or more species per 30m and contain trees.
- Replanted hedges associated with banks or ditches have been included as *Species rich native hedgerows with trees – associated with bank or ditch*.
- Retained hedgerows throughout the main Order Limits will be managed for biodiversity with any gaps filled in and 10m hedgerow buffers maintained. Standard trees will also be added to all retained hedgerows within the main Order Limits which do not have trees in the baseline. For this reason, the enhancement of almost all retained hedgerows by

one condition score has been included (i.e. hedges which are poor in the baseline are enhanced to moderate and hedgerows which are moderate in the baseline are enhanced to good) and trees without hedgerows have also been enhanced to include trees.

- The only exception to this enhancement relates to retained hedgerows within the area of Snake Lane/Fiddlers Field road improvements, where enhancements will not occur.
- Hedgerow loss has been calculated using the vegetation removal plan **Appendix 3: Vegetation Removal Parameters** of the **Outline LEMP [EN010158/APP/7.6]**.

3.3.8. Condition assessment criteria for newly created and enhanced hedgerows are provided in **Annex C**.

Watercourses

3.3.9. A breakdown of lengths for each proposed watercourse created or enhanced post-development within Order Limits and a summary of the BUs this represents are presented in **Table 11**.

Table 11: Post-development watercourse biodiversity unit values within the Order Limits based on the current design

Habitat type	Forecast habitat condition	Habitat intervention	Strategic significance	Watercourse encroachment	Riparian encroachment (left bank)	Riparian encroachment (right bank)	Forecast length (km)	Forecast BU value
Ditches	Poor	Retained	Low	No encroachment	Major	No Encroachment	0.12	0.42
Ditches	Good	Retained	Low	No encroachment	Major	Major	0.27	2.43
Other rivers and streams	Fairly poor	Retained	Low	No encroachment	No Encroachment	No Encroachment	0.18	1.62
Other rivers and streams	Moderate	Retained	Low	No encroachment	No Encroachment	No Encroachment	0.25	3.00
Other rivers and streams	Moderate	Retained	Low	No encroachment	Minor	No Encroachment	0.22	2.59
Ditches	Poor	Enhanced	Low	No encroachment	No Encroachment	No Encroachment	0.14	0.56
Ditches	Good	Enhanced	Low	No encroachment	No Encroachment	No Encroachment	0.22	2.64
Ditches	Good	Enhanced	Low	No encroachment	Major	No Encroachment	0.06	0.63
Other rivers and streams	Fairly poor	Enhanced	Low	No encroachment	Major	No encroachment	2.79	21.85
Other rivers and streams	Moderate	Enhanced	Low	No encroachment	No Encroachment	No Encroachment	0.07	0.84
Other rivers and streams	Fairly Poor	Created	Low	No encroachment	Major	Major	0.01	0.01
Other rivers and streams	Poor	Created	Low	Major	Major	Major	0.01	0.01
Total							4.34	36.60

- 3.3.10. The post-development biodiversity accounting calculations for watercourses have been undertaken using the following assumption based on the landscape plans presented in **Figure 3** and the **Outline LEMP [EN010158/APP/7.6]**.
- Enhancement of retained watercourses has been achieved through reducing the amount of riparian encroachment. The majority of watercourses within the Site are subject to a high level of encroachment. All watercourses will be retained and managed with a 10m buffer so that there is no encroachment into the riparian zone. Watercourses with both banks within the Order Limits have been enhanced to show no encroachment on either bank. Watercourses with only one bank within the Order Limits have been enhanced to show no encroachment on one bank.
 - The creation of a bridge is proposed which will cross the Claydon Brook at a section where the river is currently in moderate condition. The width of the bridge has been estimated at 5.6 m. This section has been recorded as a loss of baseline habitat and a creation of new river habitat in fairly poor condition. This reflects the predicted decrease in condition of the section of river underneath the bridge due to factors such as screening. This section was predicted to have no watercourse encroachment and major riparian encroachment on both banks after the bridge creation. It is understood that the bridge will be clear span and will not impact the water channel.
 - The creation of six proposed outfall pipes is proposed along the section of the Claydon Brook currently in fairly poor condition. The BNG calculation has used an estimated width of 1.3 m per outfall pipe to assess the impact of these features. Lengths of watercourse impacted by these features have been entered as river habitat in Poor condition. This reflects the predicted decrease in condition caused by the installation of these features. These sections are predicted to have major watercourse encroachment and major riparian encroachment on both banks following installation of the outfall pipes.
 - It was concluded that neither the bridge or outfall pipes would have an impact on the upstream or downstream sections of watercourse. Therefore, the conditions of the remainder of the watercourse have stayed the same in the post-construction.
- 3.3.11. The planting schedules and seed mixes for each enhanced watercourse are detailed within the **Outline LEMP [EN010158/APP/7.6]**.
- 3.3.12. Condition assessment criteria for newly created and enhanced watercourses are provided in **Annex C**.

3.4. Change in biodiversity value

3.4.1. The habitat creation and enhancement proposals as per the landscape plans (**Figure 3**) is anticipated to result in a net increase/decrease of area habitat, hedgerow and watercourse BUs. This is summarised in **Table 12**.

Table 12: Summary of BU change

Post-development area habitat BU		Baseline area habitat area BU)		Change in area habitat BU	Percentage change (%)
3076.73	-	2098.33	=	978.40	46.63%
Post-development hedgerow BU		Baseline hedgerow BU		Change in hedgerow BU	Percentage change (%)
814.87	-	609.29	=	205.58	33.74%
Post-development watercourse BU		Baseline watercourse BU		Change in watercourse BU	Percentage change (%)
36.58	-	32.56	=	4.02	12.36%

3.4.2. The change in biodiversity value for the Proposed Development, as set out in **Table 12**, indicates that post-development:

- there would be an increase of 978.40 area habitat BUs which equates to a **46.63% net gain in area habitats**. The trading rules associated with the Metric have been met for area habitats as a result of the Proposed Development.
- there would also be an increase of 205.58 hedgerow BUs which equates to an **33.74% net gain in hedgerows**. The trading rules associated with the Metric have been met for hedgerows as a result of the Proposed Development.
- there would also be an increase of 4.02 watercourse BUs which equates to an **12.36% net gain in watercourses**. The trading rules associated with the Metric have been met for watercourses as a result of the Proposed Development.

4. Project implementation and construction plan and outline biodiversity net gain management and monitoring plan

- 4.1.1. The implementation and creation of habitats post development is detailed and secured by the **Outline LEMP [EN010158/APP/7.6]**.
- 4.1.2. These include detailed drawings, management proposals and timetables, as well as a plan to define who is responsible for activities.
- 4.1.3. The **Outline LEMP [EN010158/APP/7.6]** details the adaptive management and monitoring plan which will guide all habitat management and monitoring at the Order Limits. The **Outline LEMP [EN010158/APP/7.6]** also includes necessary interventions should habitats fall short of their desired future condition.

5. Evaluation and conclusions

5.1. Biodiversity net gain

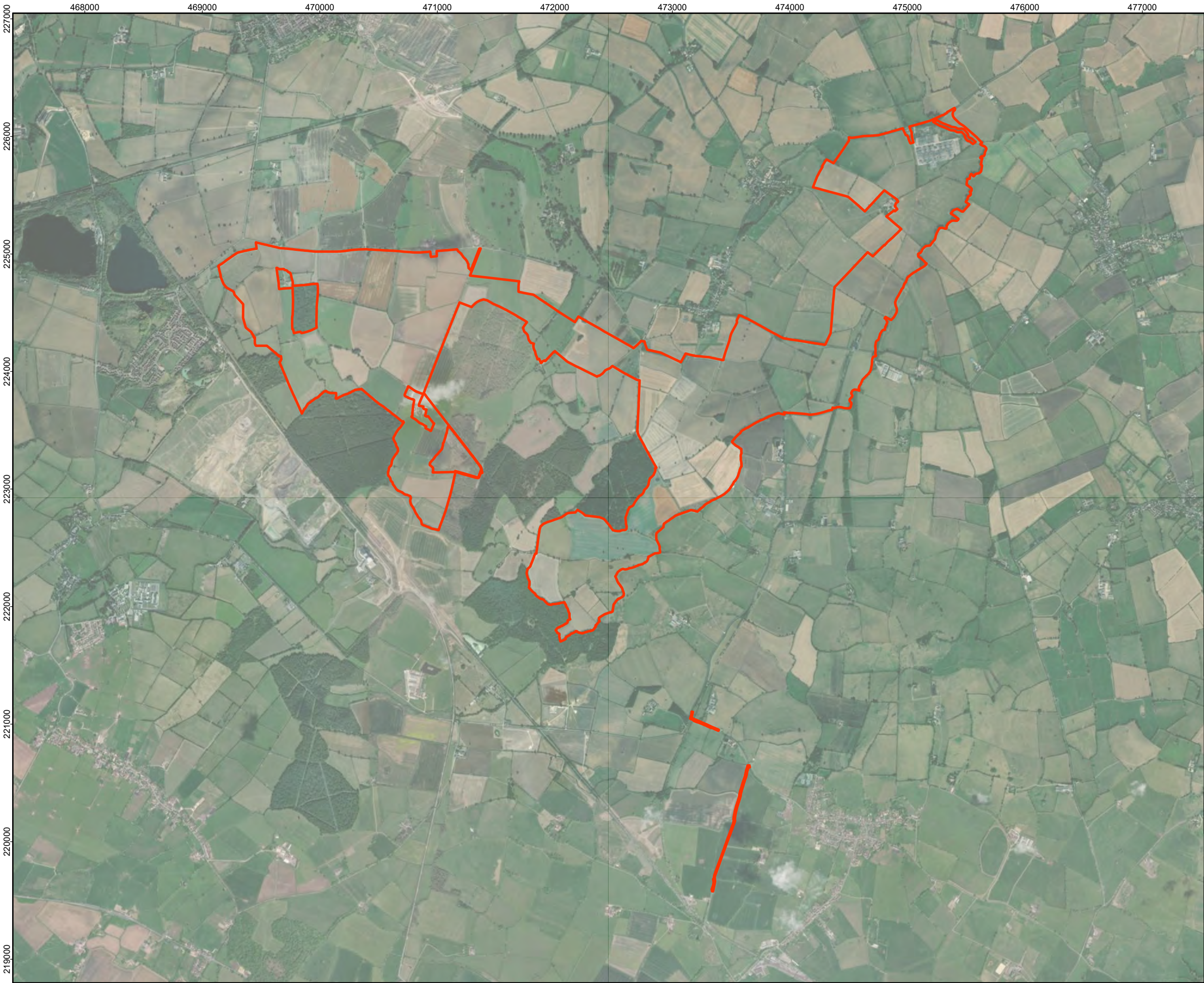
- 5.1.1. The Proposed Development will lead to the loss of Cereal and non-cereal crops, *Modified grassland*, *Other neutral grassland* and smaller areas of scrub, trees and hedgerows. However, to compensate and offset for these impacts the Proposed Development will result in the creation of over 200 ha of compensatory habitats including large areas of *Other neutral grassland*, *Mixed scrub* and *Other woodland broadleaved* as well as new hedgerows, individual trees and areas of *Lowland meadow*. The Proposed Development will also result in the retention of hedgerows and areas of *Other neutral grassland*, *Cereal crops*, *Lowland mixed deciduous woodland* and ponds.
- 5.1.2. Overall, the Proposed Development will result in a 46.63% net gain in area habitat BUs, a 33.74% net gain in hedgerow BUs and a 12.73% net gain in watercourse BUs.
- 5.1.3. 834.49 units are generated from the solar areas alone (which are not mitigation). This represents 27.12% of the 3076.73 BU present post-construction. Therefore, satisfying the requirement for over 10% of the post-construction units to come from non-mitigation enhancement.
- 5.1.4. The solar areas (enhancement) are represented in **Biodiversity Net Gain Assessment BNG Statutory Metric [EN010158/APP/6.4.3]** rows 64 and 65 in the on Site habitat creation tab in the metric. The other rows represent mitigation. The rows in the on Site habitat creation and on site habitat enhancement tabs have been labelled as either mitigation or enhancement within the metric itself.
- 5.1.5. The trading rules associated with the Metric have been met for area habitats, hedgerows and watercourses.

6. References

- **Ref. 1:** Ministry of housing, Communities and Local Government (2025) *National Planning Policy Framework*. Available: <https://www.gov.uk/government/publications/national-planning-policy-framework--2> [Accessed 12/06/2026]
- **Ref. 2:** Buckinghamshire Council (2025) *Biodiversity Net Gain* Available: <https://www.buckinghamshire.gov.uk/environment/ecology-and-biodiversity/biodiversity-net-gain/> [Accessed 12/06/2026]
- **Ref. 3:** Buckinghamshire Council (2025) *Local Nature Recovery Strategy for Buckinghamshire and Milton Keynes* Available <https://bucks.mknep.co.uk/nature-strategy/local-nature-recovery-strategy-for-buckinghamshire-and-milton-keynes/>
- **Ref. 4:** Gurnell, A. M. & S. J., Shuker, L.J. (2022) *The MoRPh Survey Technical Reference Manual*.
- **Ref. 5:** Gurnell, A. M., England, J., Scott, S. J. & Shuker, L.J. (2024) *A Guide to Assessing River Condition*
- **Ref. 6:** British Standard Institute (2021) *BS 8683: Process for designing and implementing biodiversity net gain – Specification* Available: <https://www.bsigroup.com/en-GB/our-services/events/webinars/2021/bs-8683-process-for-designing-and-implementing-biodiversity-net-gain/> [Accessed 12/06/2026]
- **Ref. 7:** CIEEM/CIRIA/IEEMA (2016) *Biodiversity Net Gain: Good practice principles for development* Available: Biodiversity-Net-Gain-Principles.pdf (cieem.net) [Accessed 12/06/2026]
- **Ref. 8:** Defra (2026) *Statutory biodiversity metric tools and guides* Available: <https://www.gov.uk/government/publications/statutory-biodiversity-metric-tools-and-guides> [Accessed 12/06/2026]
- **Ref. 9:** Lawton, J. et al (2010) *'Making space for nature': a review of England's wildlife sites published today* Available: <https://www.gov.uk/government/news/making-space-for-nature-a-review-of-englands-wildlife-sites-published-today> [12/06/2026]
- **Ref. 10:** Buckinghamshire Council (2022) *Biodiversity Net Gain* Available: <https://www.buckinghamshire.gov.uk/environment/ecology-and-biodiversity/biodiversity-net-gain/> [Accessed 12/06/2026]

Figures





LEGEND:

Order Limits

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter

01	Sept 2025	DCO Submission	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 3:
FIGURES REGULATION REG 5(2)(A)

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FIGURE 1 SITE LOCATION PLAN

PINS REFERENCE NUMBER:
EN010158/APP/6.4

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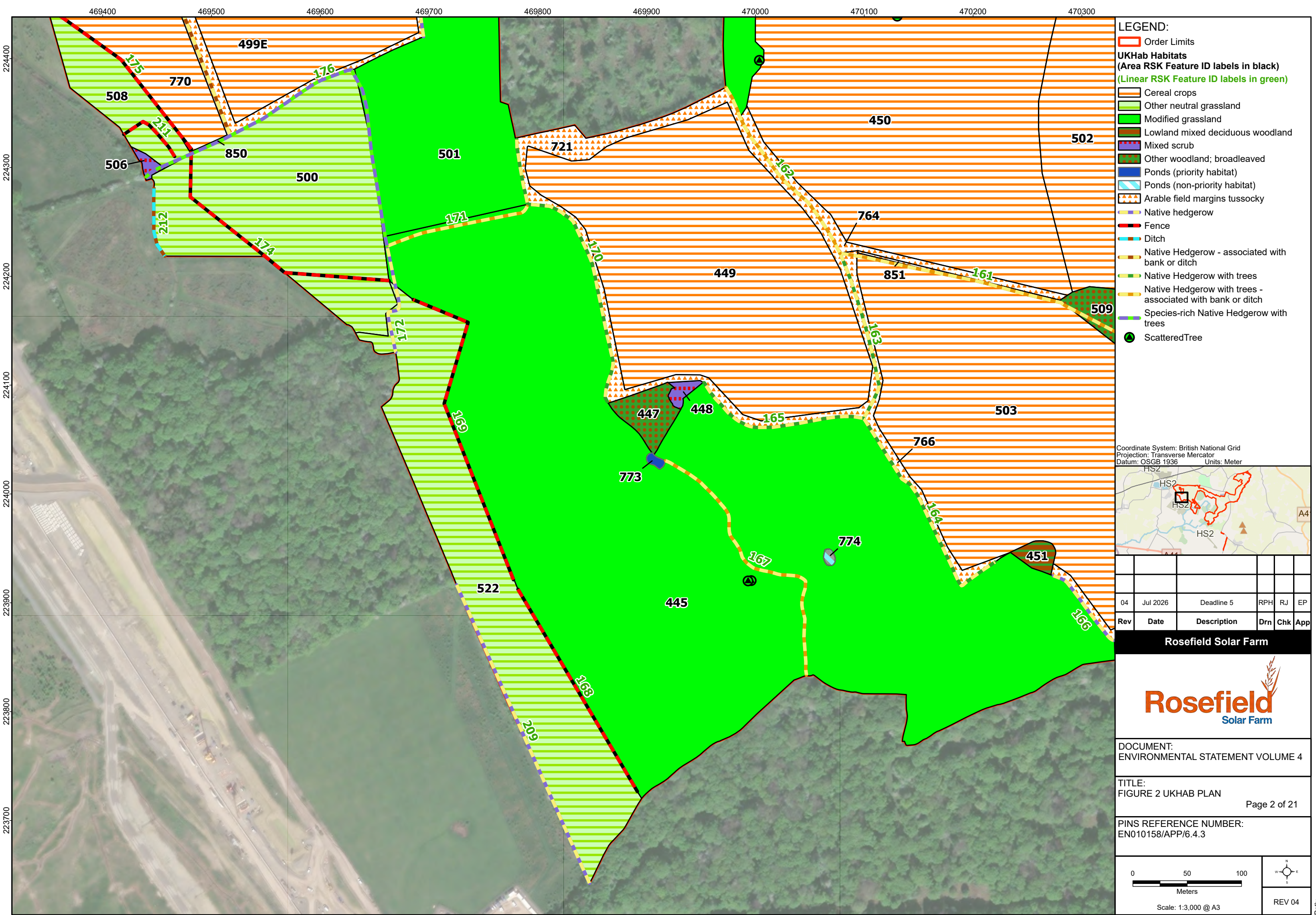
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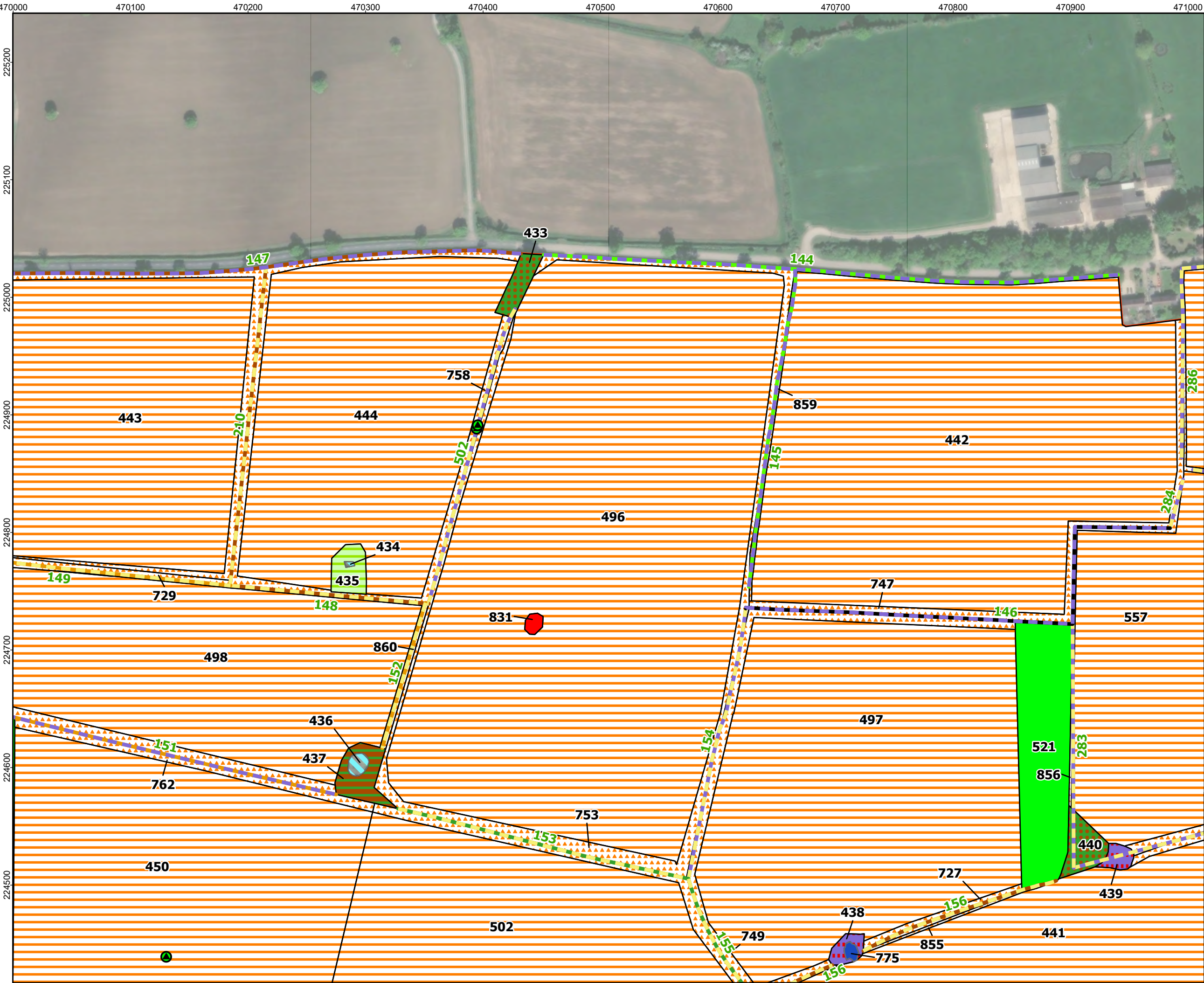
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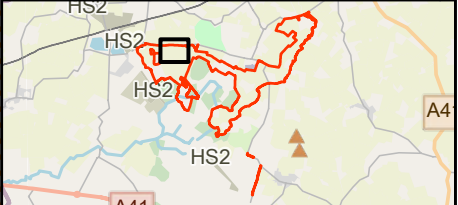
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- LEGEND:**
- Order Limits
 - UKHab Habitats**
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(Linear RSK Feature ID labels in green)
 - Cereal crops
 - Other neutral grassland
 - Modified grassland
 - Lowland mixed deciduous woodland
 - Mixed scrub
 - Other woodland; broadleaved
 - Ponds (priority habitat)
 - Ponds (non-priority habitat)
 - Arable field margins tussocky
 - Sparsely vegetated land
 - Native hedgerow
 - Species-rich native hedgerow
 - Native Hedgerow - associated with bank or ditch
 - Native Hedgerow with trees
 - Native Hedgerow with trees - associated with bank or ditch
 - Species-rich Native Hedgerow - associated with bank or ditch
 - Species-rich Native Hedgerow with trees
 - Species-rich Native Hedgerow with trees - associated with bank or ditch
 - ScatteredTree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



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Rev	Date	Description	Drn	Chk	App

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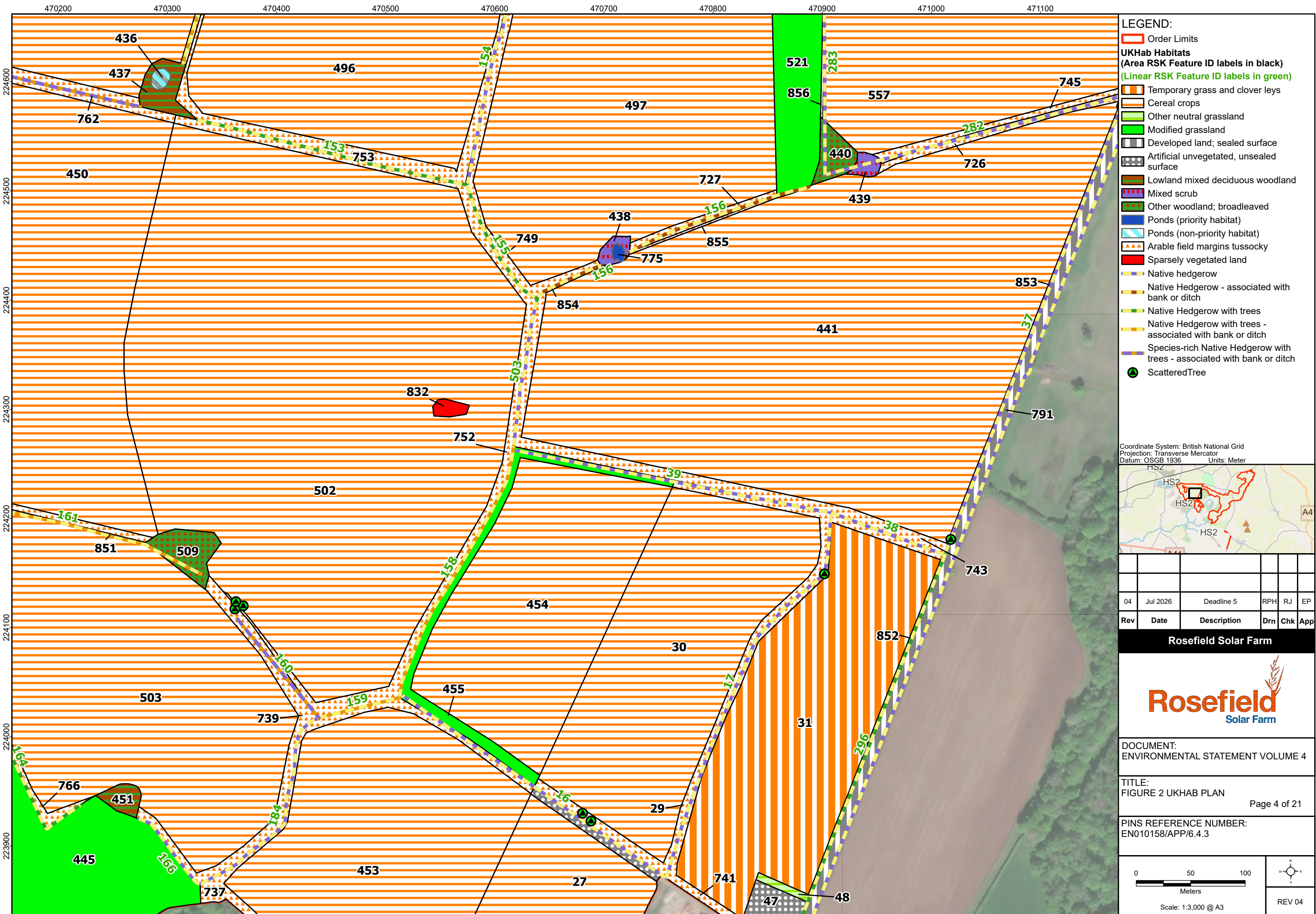
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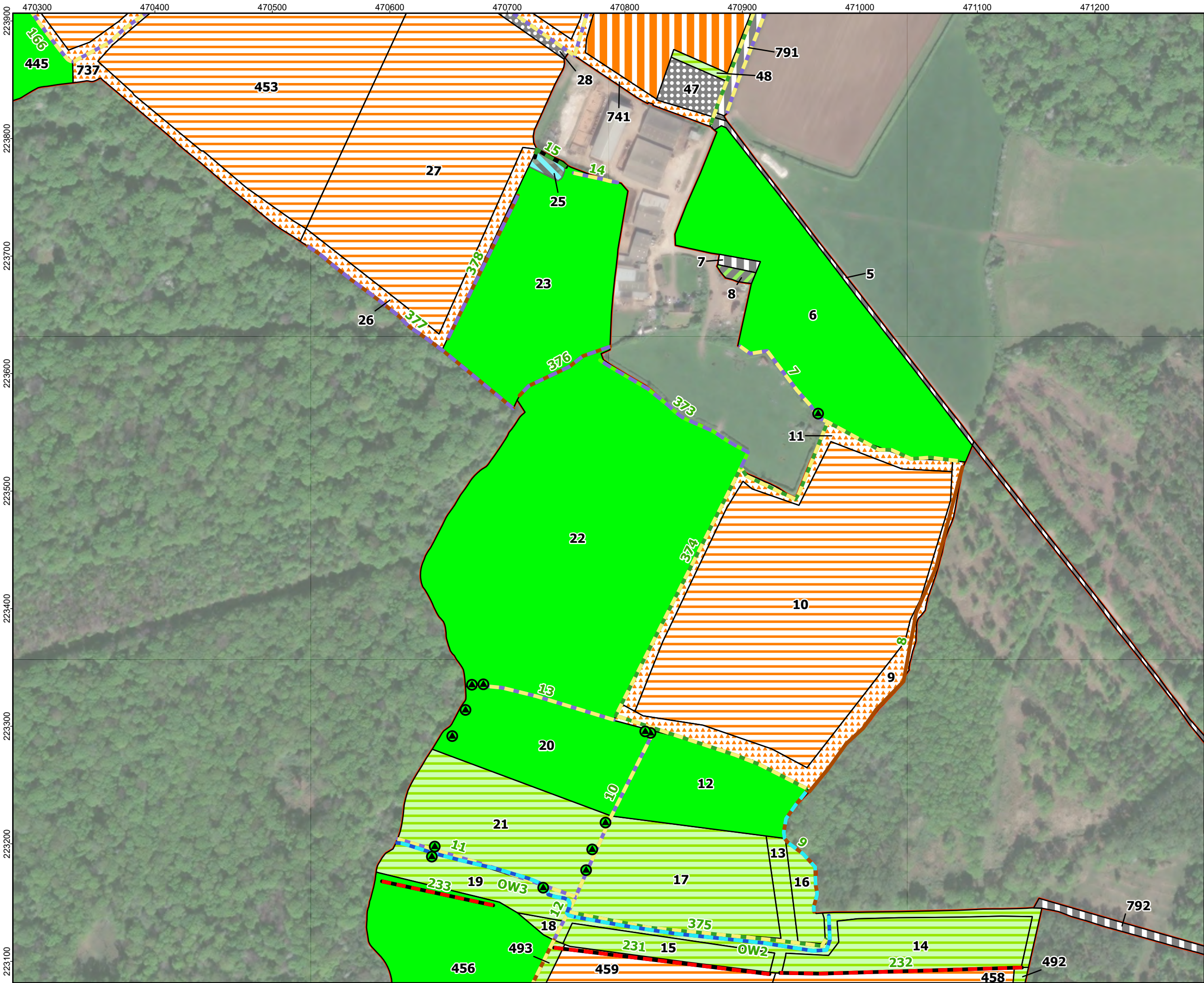
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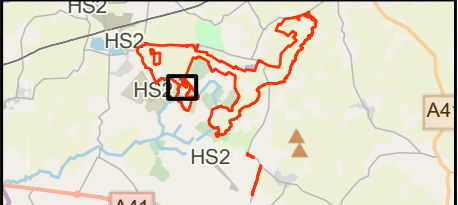
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(Linear RSK Feature ID labels in green)
 - Temporary grass and clover leys
 - Cereal crops
 - Other neutral grassland
 - Modified grassland
 - Developed land; sealed surface
 - Artificial unvegetated, unsealed surface
 - Vegetated garden
 - Ponds (non-priority habitat)
 - Arable field margins tussocky
 - Native hedgerow
 - Fence
 - Ditch
 - Dry ditch
 - Line of trees
 - Native Hedgerow - associated with bank or ditch
 - Native Hedgerow with trees
 - Other rivers and streams
 - Species-rich Native Hedgerow - associated with bank or ditch
 - Species-rich Native Hedgerow with trees
 - ScatteredTree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



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Rev	Date	Description	Drn	Chk	App

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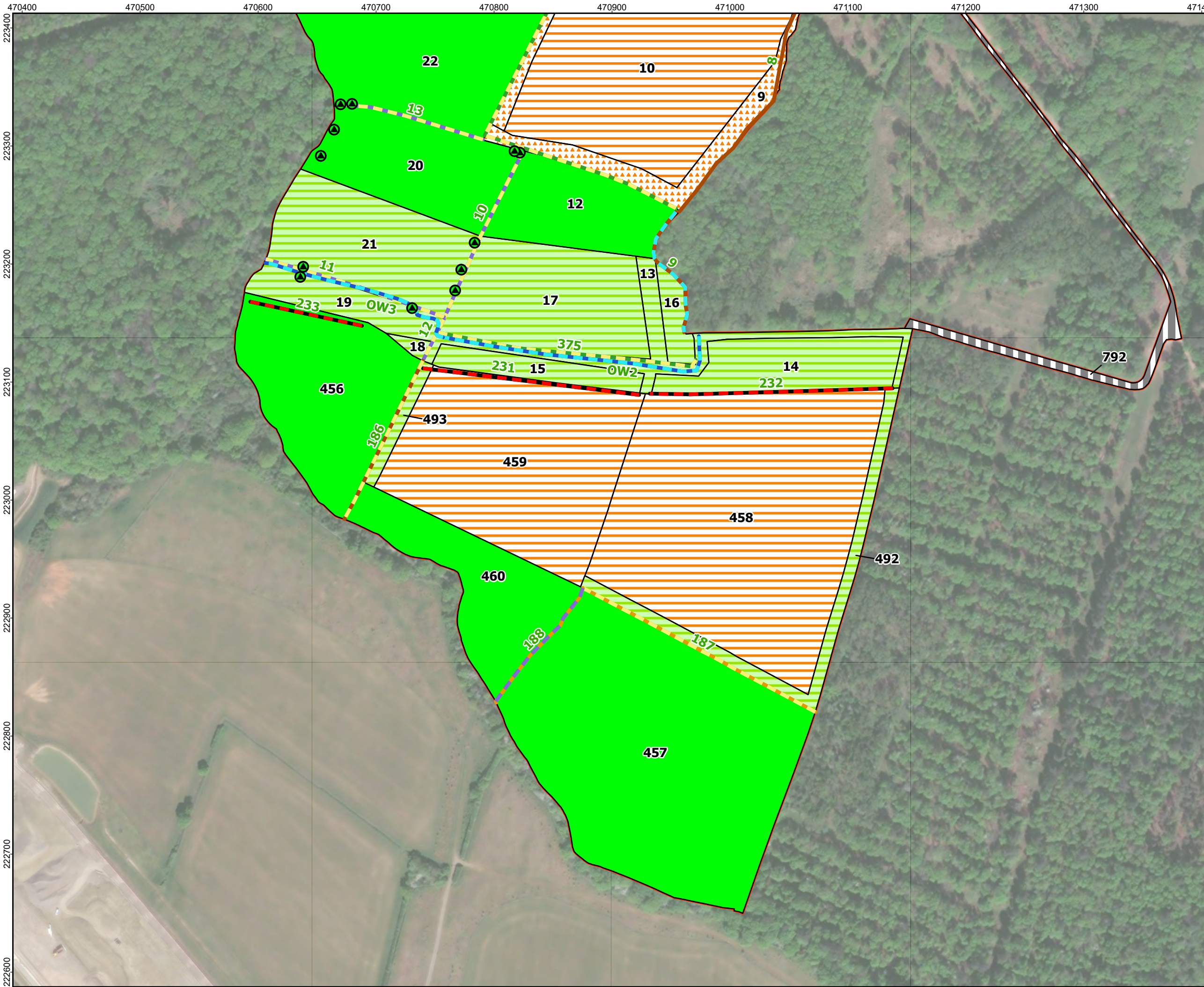
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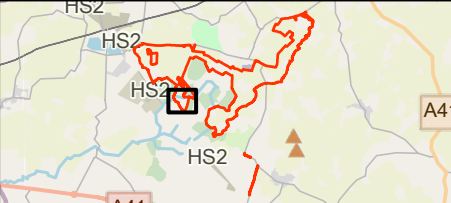
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- LEGEND:**
- Order Limits
 - UKHab Habitats**
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(Linear RSK Feature ID labels in green)
 - Cereal crops
 - Other neutral grassland
 - Modified grassland
 - Developed land; sealed surface
 - Arable field margins tussocky
 - Native hedgerow
 - Fence
 - Ditch
 - Dry ditch
 - Native Hedgerow - associated with bank or ditch
 - Native Hedgerow with trees
 - Native Hedgerow with trees - associated with bank or ditch
 - Other rivers and streams
 - Species-rich Native Hedgerow with trees - associated with bank or ditch
 - ScatteredTree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



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TITLE:
FIGURE 2 UKHAB PLAN
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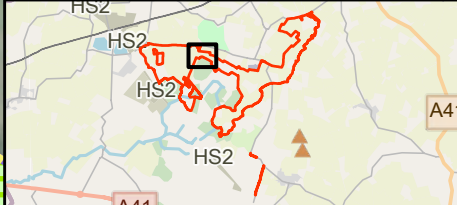
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Order Limits

UKHab Habitats
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(Linear RSK Feature ID labels in green)

- Temporary grass and clover leys
- Cereal crops
- Other neutral grassland
- Modified grassland
- Developed land; sealed surface
- Mixed scrub
- Other woodland; broadleaved
- Arable field margins tussocky
- Native hedgerow
- Species-rich native hedgerow
- Native Hedgerow with trees
- Other rivers and streams
- Species-rich Native Hedgerow with trees
- ScatteredTree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



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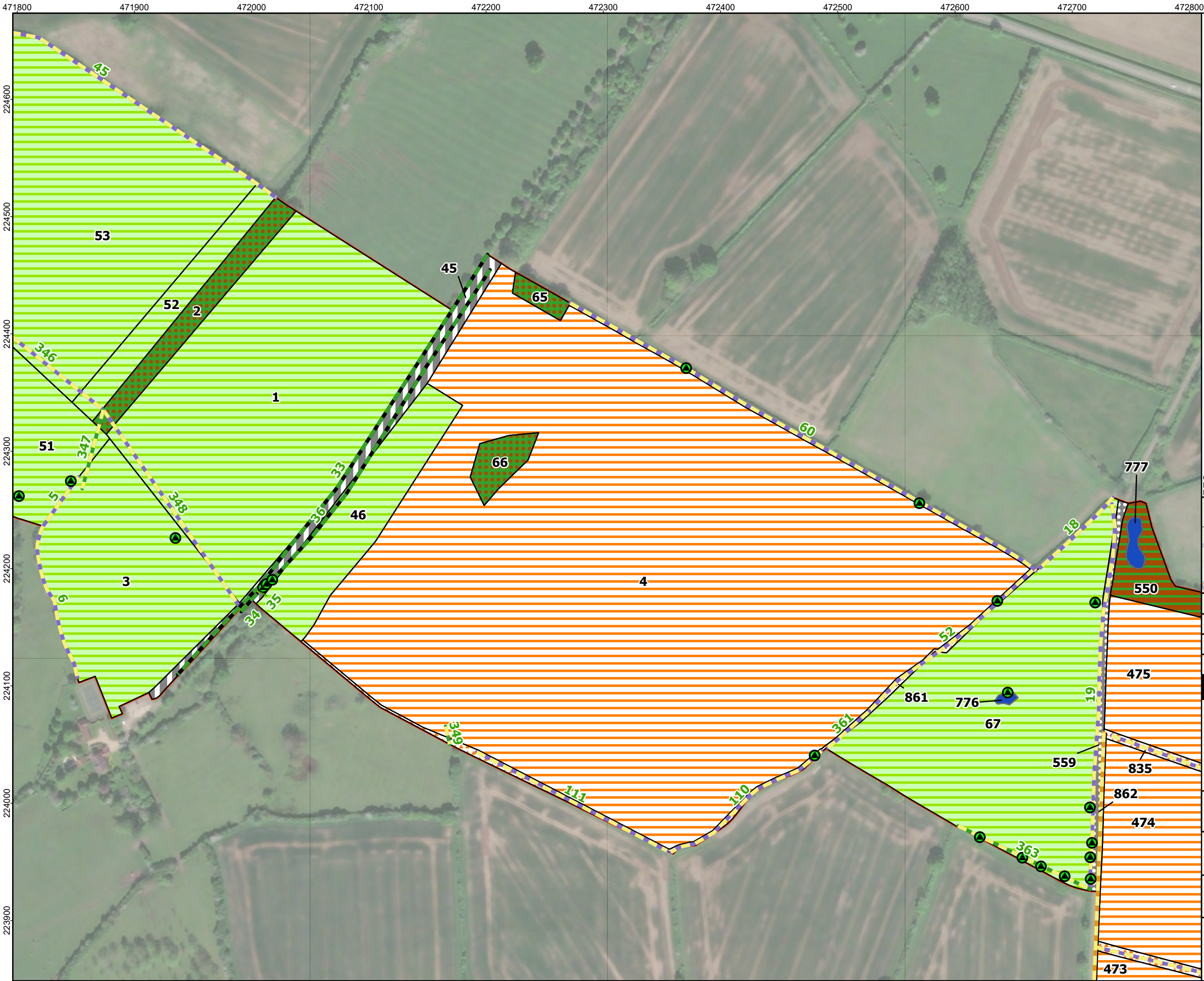
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FIGURE 2 UKHAB PLAN
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REV 04



LEGEND:

Order Limits

UKHab Habitats
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)

- Cereal crops
- Other neutral grassland
- Developed land; sealed surface
- Artificial unvegetated, unsealed surface
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Ponds (priority habitat)
- Arable field margins tussocky
- Native hedgerow
- Built linear features
- Line of trees
- Native Hedgerow with trees
- Native Hedgerow with trees - associated with bank or ditch
- ScatteredTree

Coordinate System: British National Grid
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Rev	Date	Description	Drn	Chk	App

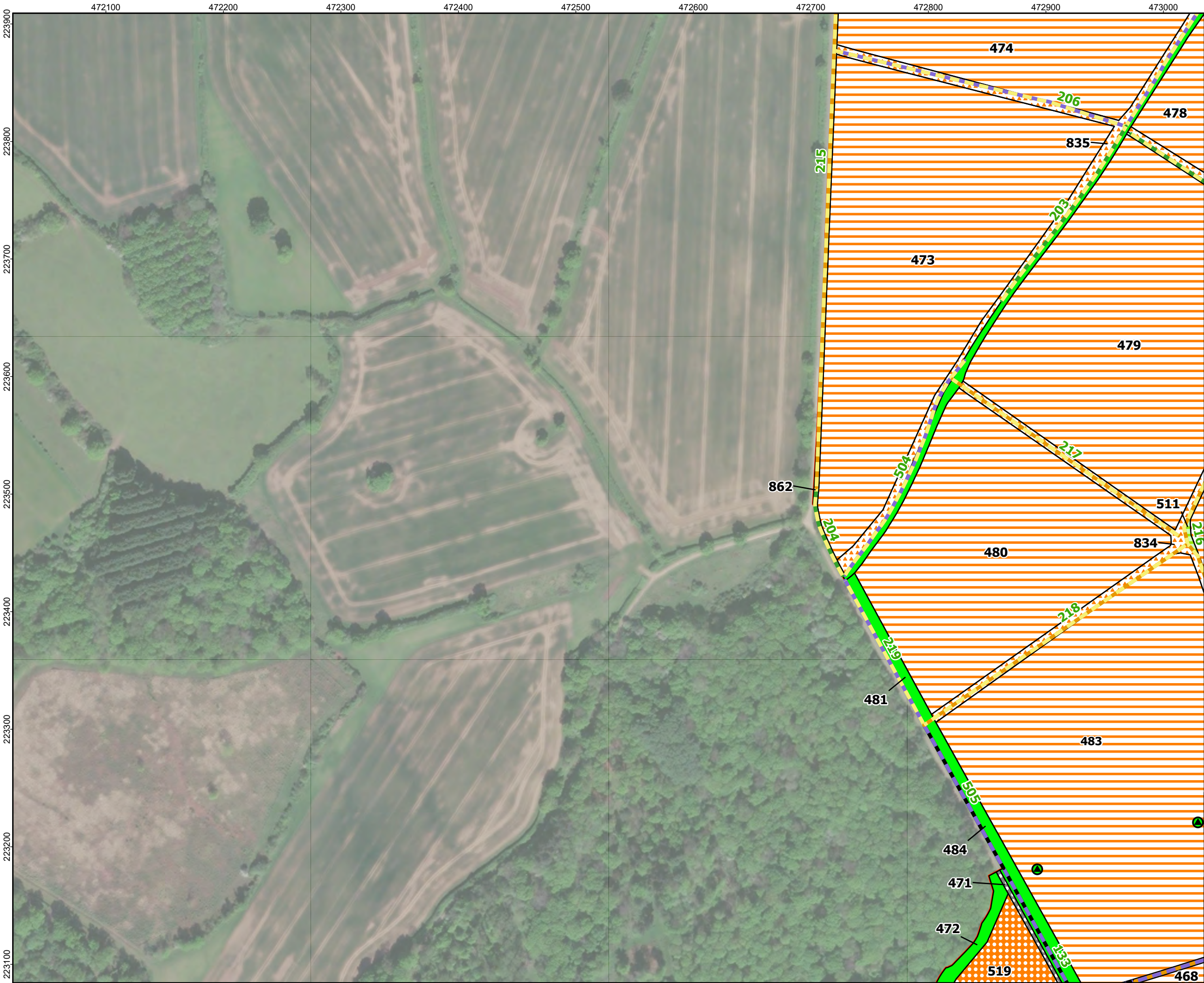
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REV 04



LEGEND:

- Order Limits
- UKHab Habitats**
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(Linear RSK Feature ID labels in green)
- Cereal crops
- Non-cereal crops
- Other neutral grassland
- Modified grassland
- Artificial unvegetated, unsealed surface
- Arable field margins tussocky
- Native hedgerow
- Species-rich native hedgerow
- Native Hedgerow with trees
- Native Hedgerow with trees - associated with bank or ditch
- Species-rich Native Hedgerow with trees - associated with bank or ditch
- ScatteredTree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter

04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

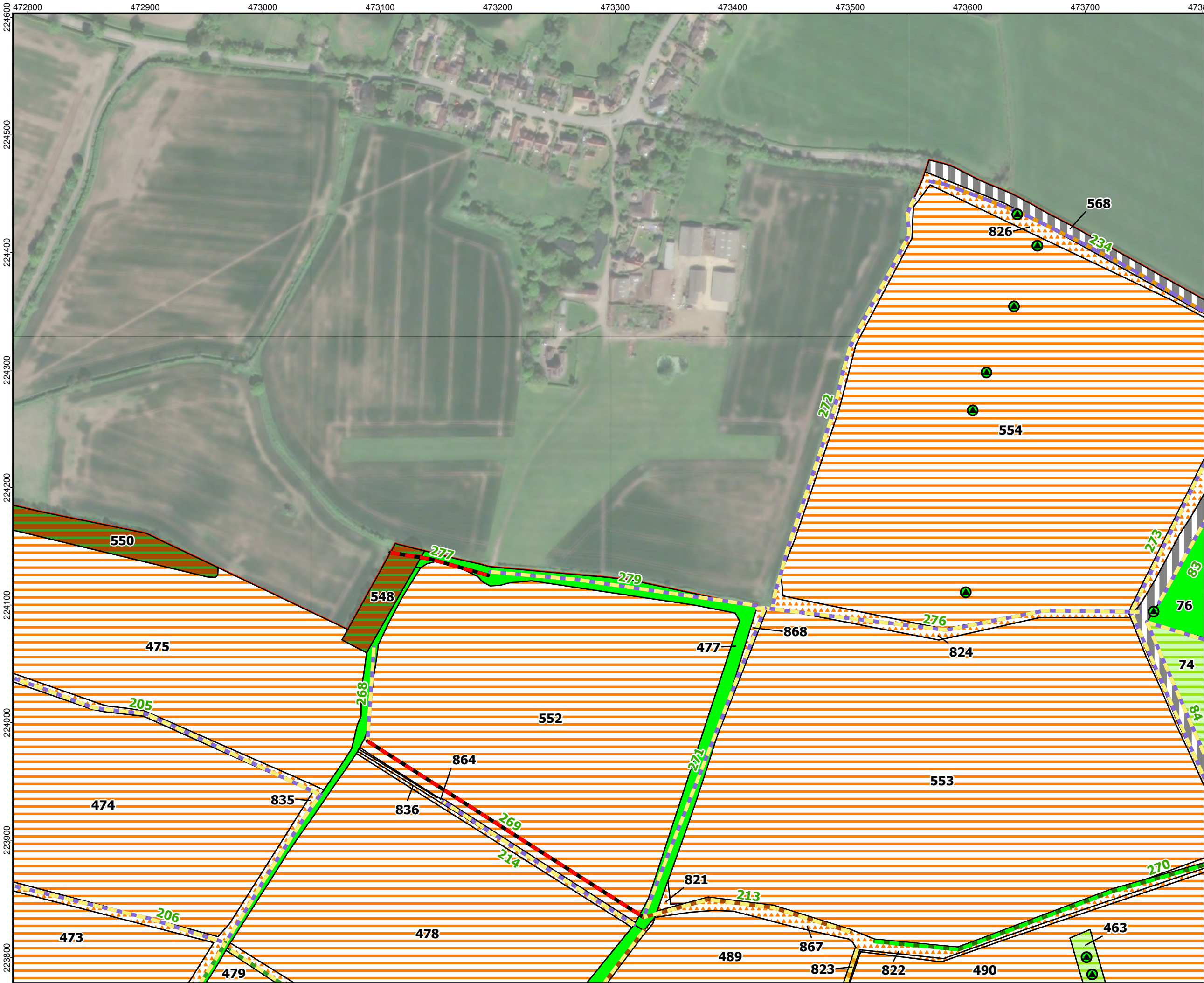
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ENVIRONMENTAL STATEMENT VOLUME 4

TITLE:
FIGURE 2 UKHAB PLAN
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PINS REFERENCE NUMBER:
EN010158/APP/6.4.3

0 50 100
Meters
Scale: 1:3,000 @ A3

REV 04



LEGEND:

Order Limits

UKHab Habitats
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)

Cereal crops

Other neutral grassland

Modified grassland

Developed land; sealed surface

Lowland mixed deciduous woodland

Arable field margins tussocky

Native hedgerow

Fence

Ecologically Valuable Line of Trees

Native Hedgerow - associated with bank or ditch

Native Hedgerow with trees

Native Hedgerow with trees - associated with bank or ditch

Species-rich Native Hedgerow with trees - associated with bank or ditch

ScatteredTree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter

04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

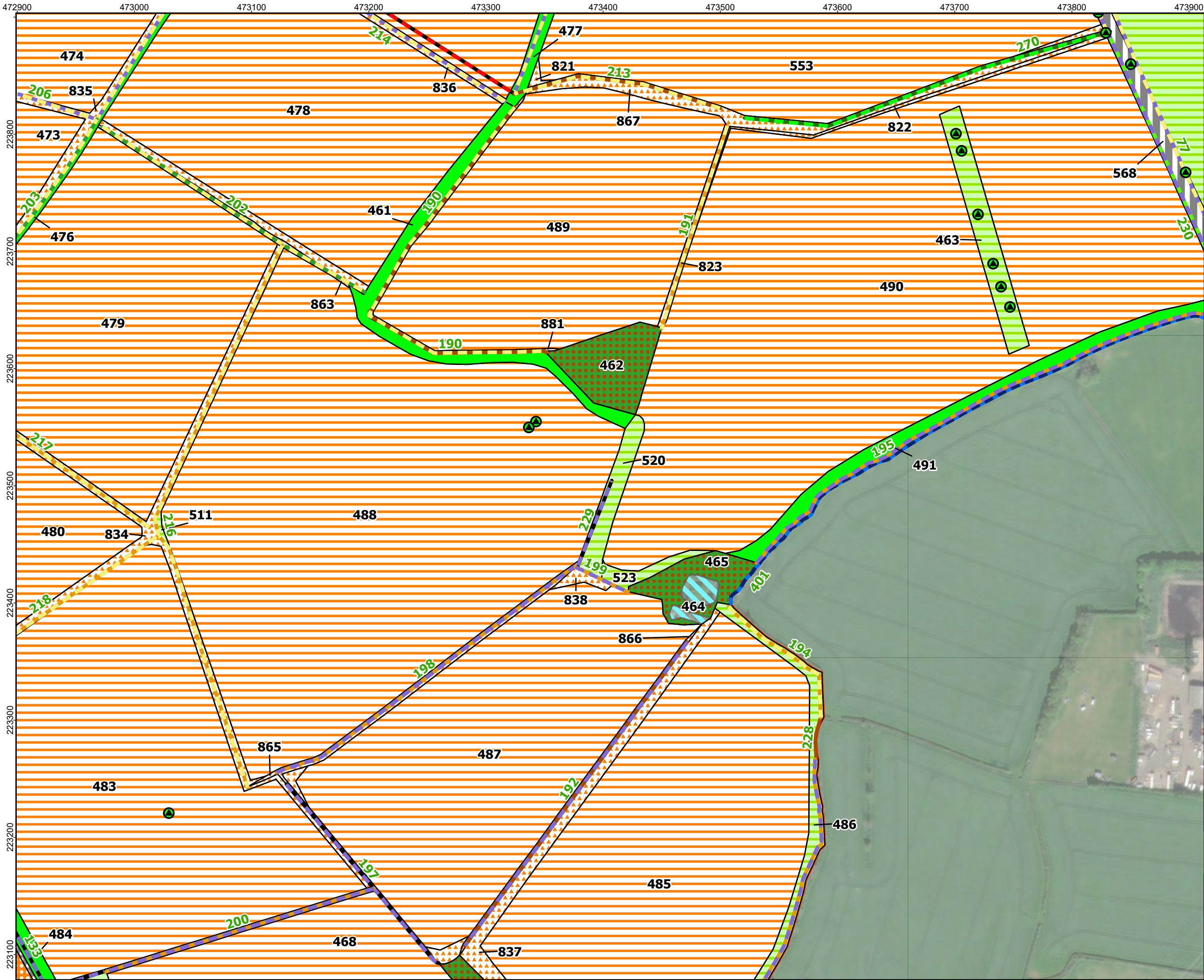
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FIGURE 2 UKHAB PLAN
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PINS REFERENCE NUMBER:
EN010158/APP/6.4.3

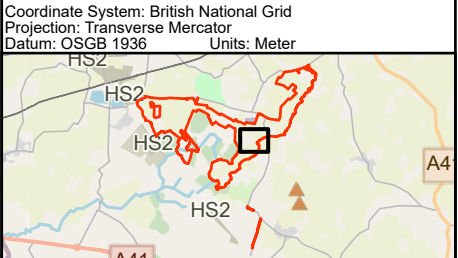
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REV 04

Path:



- LEGEND:**
- Order Limits
 - UKHab Habitats**
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)
 - Cereal crops
 - Non-cereal crops
 - Other neutral grassland
 - Modified grassland
 - Developed land; sealed surface
 - Artificial unvegetated, unsealed surface
 - Other woodland; broadleaved
 - Ponds (non-priority habitat)
 - Arable field margins tussocky
 - Native hedgerow
 - Species-rich native hedgerow
 - Fence
 - Ecologically Valuable Line of Trees
 - Dry ditch
 - Native Hedgerow - associated with bank or ditch
 - Native Hedgerow with trees
 - Native Hedgerow with trees - associated with bank or ditch
 - Rivers and streams
 - Species-rich Native Hedgerow - associated with bank or ditch
 - Species-rich Native Hedgerow with trees
 - Species-rich Native Hedgerow with trees - associated with bank or ditch
 - ScatteredTree



04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

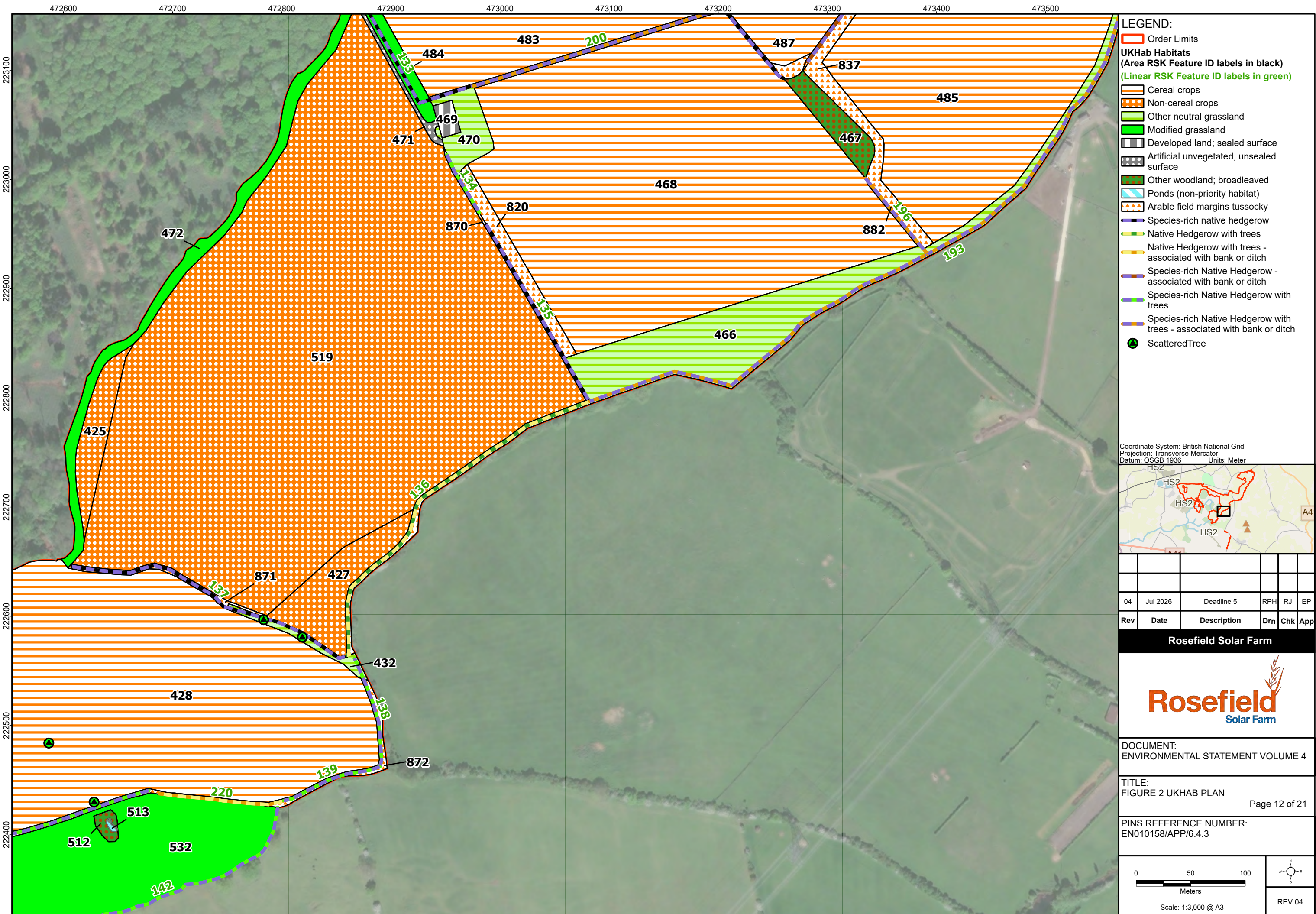
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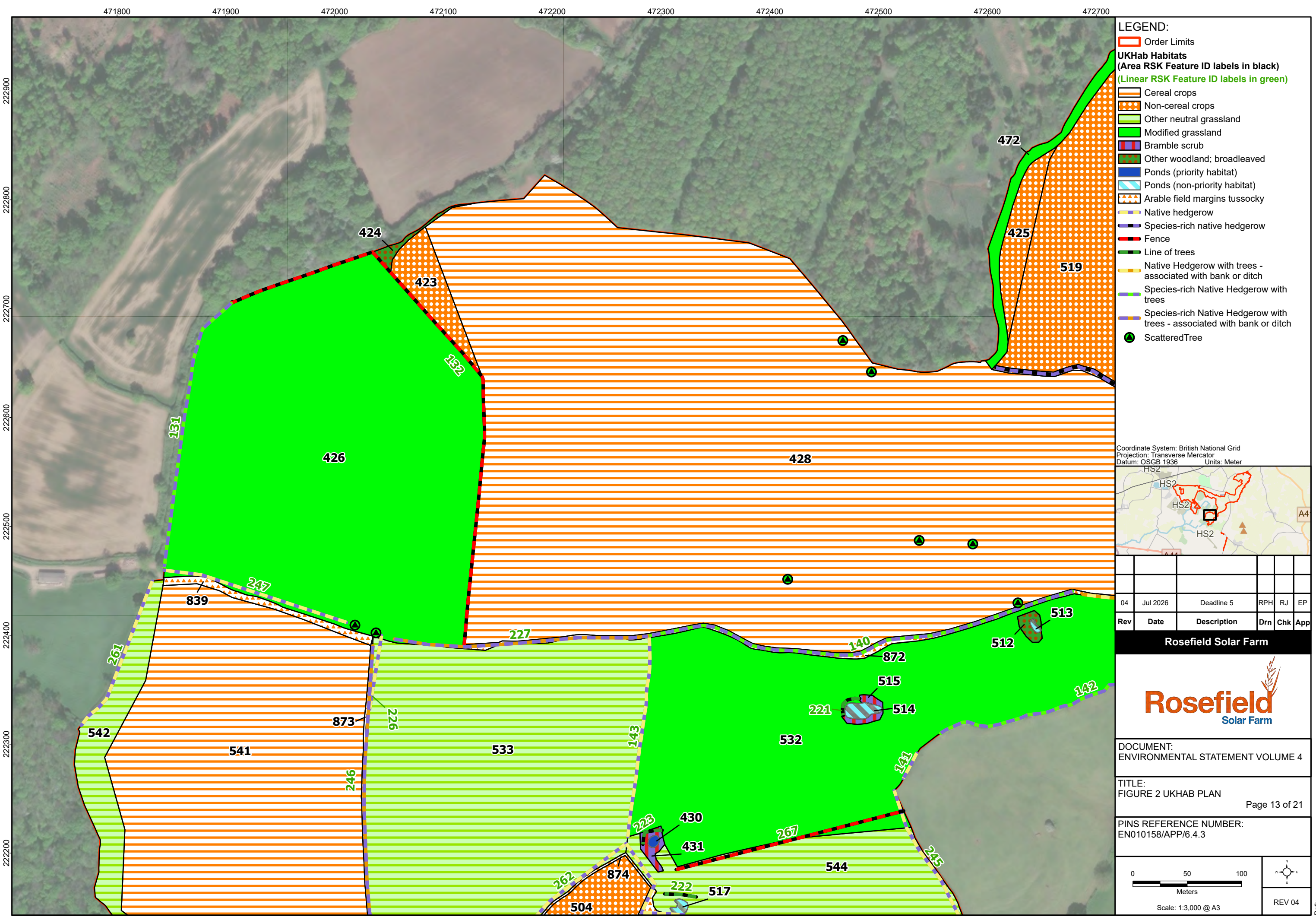
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FIGURE 2 UKHAB PLAN
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PINS REFERENCE NUMBER:
EN010158/APP/6.4.3

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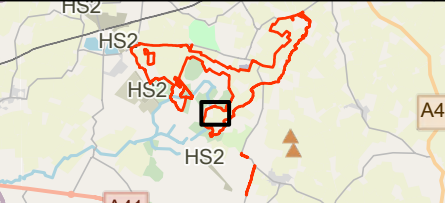
REV 04





- LEGEND:**
- Order Limits
 - UKHab Habitats**
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)
 - Cereal crops
 - Non-cereal crops
 - Other neutral grassland
 - Modified grassland
 - Bramble scrub
 - Other woodland; broadleaved
 - Ponds (priority habitat)
 - Ponds (non-priority habitat)
 - Arable field margins tussocky
 - Native hedgerow
 - Species-rich native hedgerow
 - Fence
 - Line of trees
 - Native Hedgerow with trees - associated with bank or ditch
 - Species-rich Native Hedgerow with trees
 - Species-rich Native Hedgerow with trees - associated with bank or ditch
 - ScatteredTree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
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DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

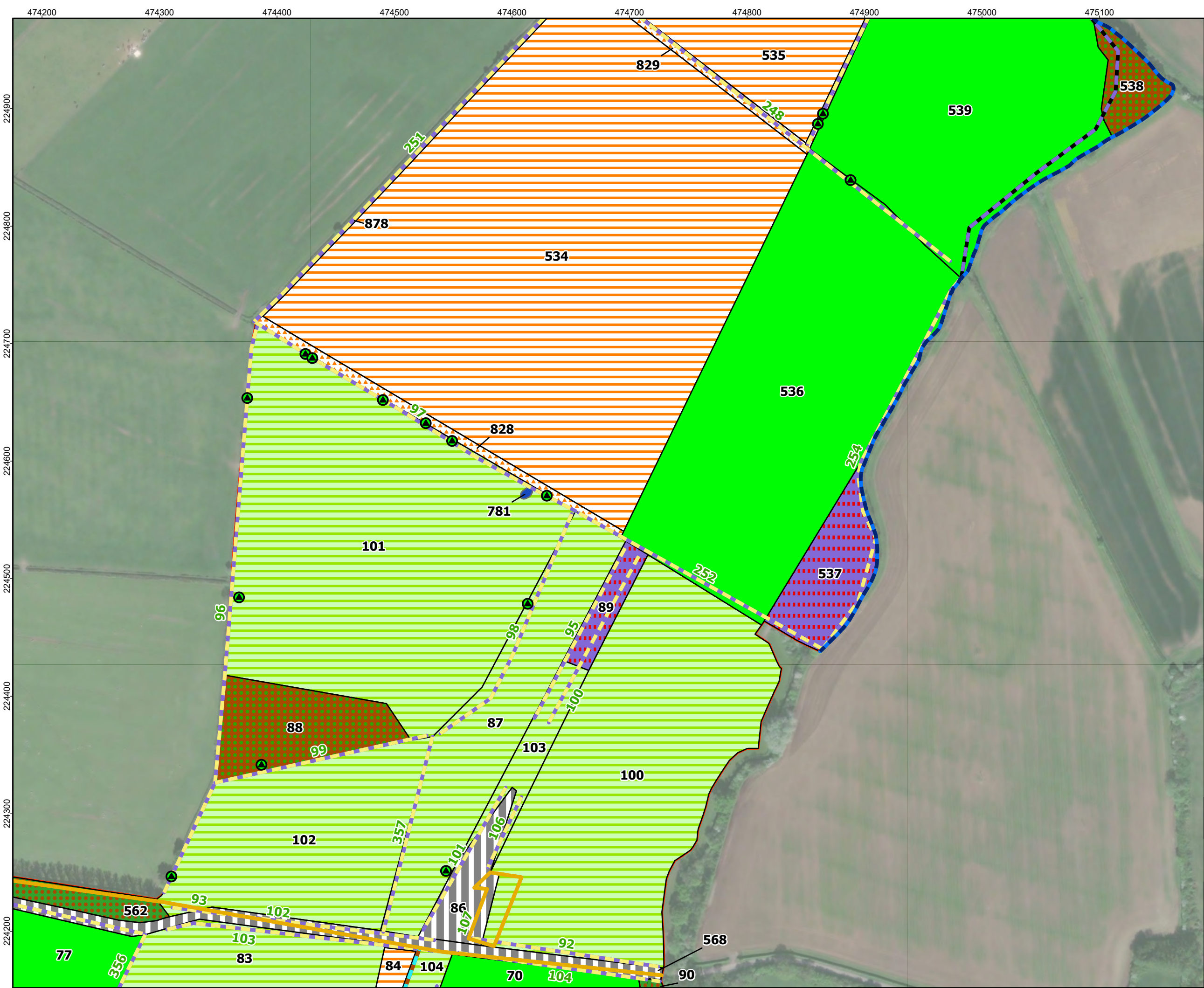
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FIGURE 2 UKHAB PLAN
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PINS REFERENCE NUMBER:
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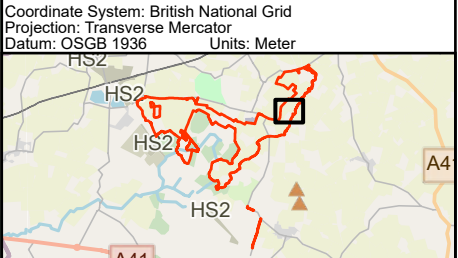
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REV 04





- LEGEND:**
- Order Limits
 - UKHab Habitats**
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)
 - Cereal crops
 - Other neutral grassland
 - Modified grassland
 - Developed land; sealed surface
 - Other woodland; mixed
 - Mixed scrub
 - Other woodland; broadleaved
 - Ponds (priority habitat)
 - Arable field margins tussocky
 - Native hedgerow
 - Species-rich native hedgerow
 - Ditch
 - Built linear features
 - Line of trees
 - Rivers and streams
 - ScatteredTree



04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

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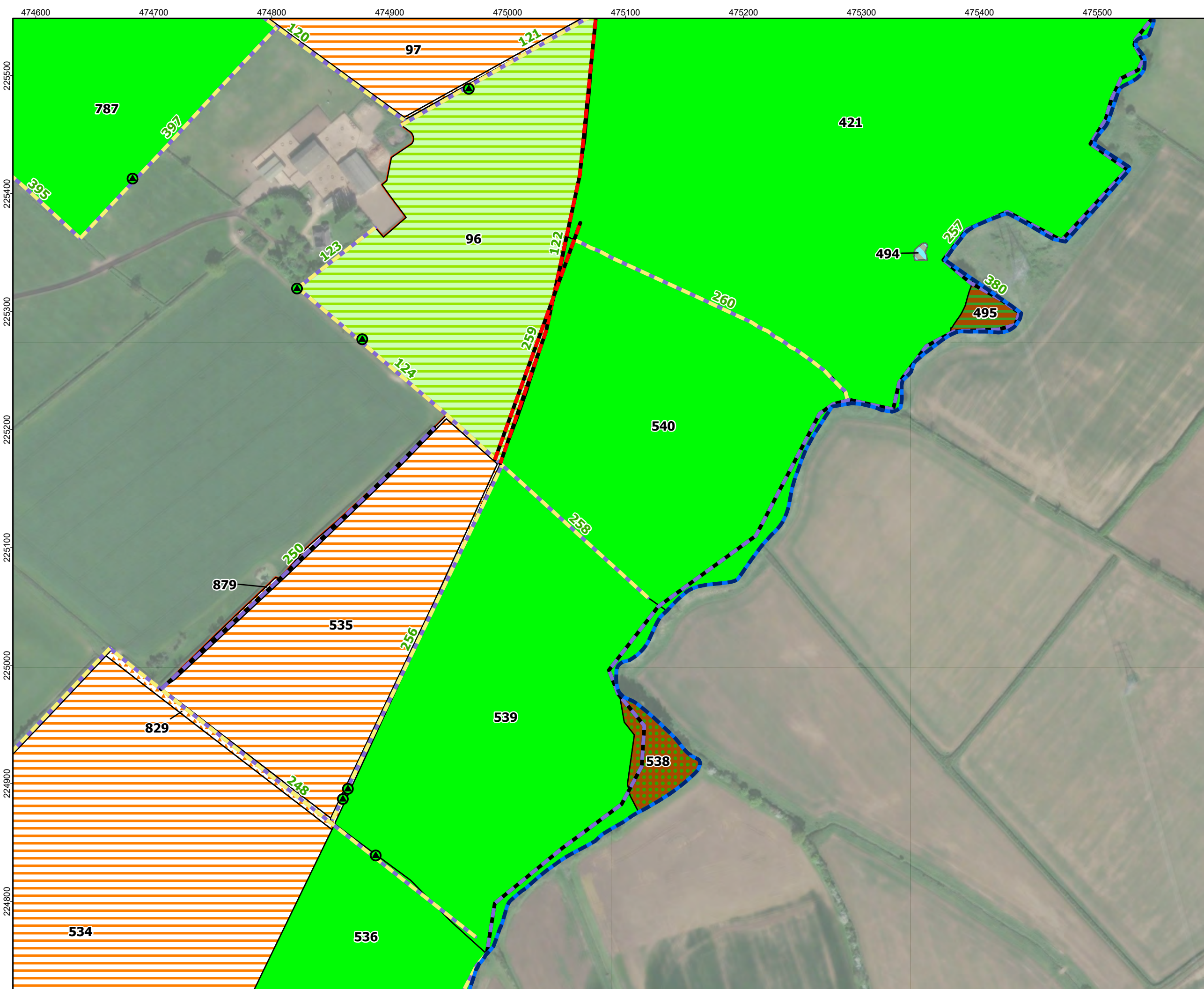
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TITLE:
FIGURE 2 UKHAB PLAN
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PINS REFERENCE NUMBER:
EN010158/APP/6.4.3

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REV 04



LEGEND:

Order Limits

UKHab Habitats
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)

- Cereal crops
- Other neutral grassland
- Modified grassland
- Lowland mixed deciduous woodland
- Other woodland; mixed
- Ponds (non-priority habitat)
- Arable field margins tussocky
- Native hedgerow
- Species-rich native hedgerow
- Fence
- Rivers and streams
- ScatteredTree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter

04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

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DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

TITLE:
FIGURE 2 UKHAB PLAN

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PINS REFERENCE NUMBER:
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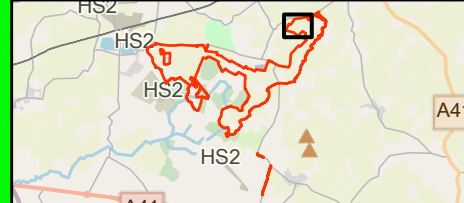
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REV 04



- LEGEND:
- Order Limits
 - UKHab Habitats
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)
 - Cereal crops
 - Other neutral grassland
 - Modified grassland
 - Developed land; sealed surface
 - Other woodland; mixed
 - Bramble scrub
 - Other woodland; broadleaved
 - Arable field margins tussocky
 - Native hedgerow
 - Species-rich native hedgerow
 - Non-native and ornamental hedgerow
 - Fence
 - Other native hedgerow
 - Species-rich Native Hedgerow with trees
 - ScatteredTree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



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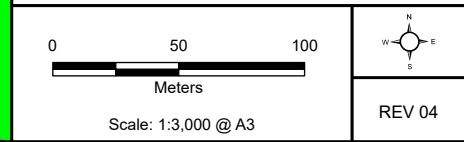
Rosefield Solar Farm

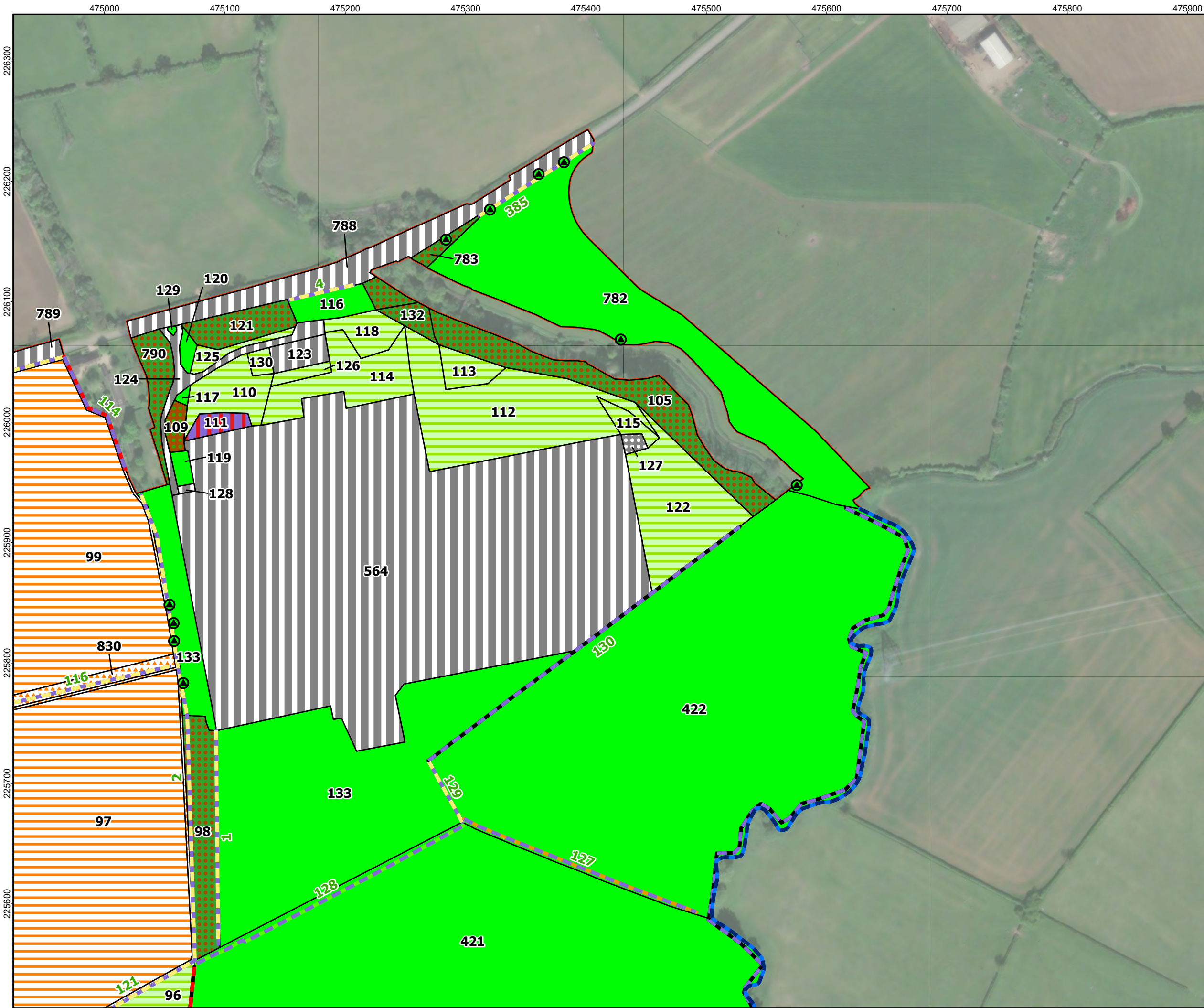


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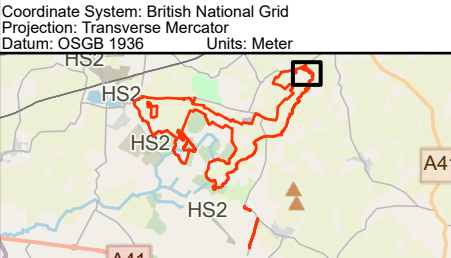
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FIGURE 2 UKHAB PLAN
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- LEGEND:**
- Order Limits
 - UKHab Habitats**
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)
 - Cereal crops
 - Other neutral grassland
 - Modified grassland
 - Developed land; sealed surface
 - Artificial unvegetated, unsealed surface
 - Other woodland; mixed
 - Bramble scrub
 - Other woodland; broadleaved
 - Arable field margins tussocky
 - Native hedgerow
 - Species-rich native hedgerow
 - Non-native and ornamental hedgerow
 - Fence
 - Rivers and streams
 - Species-rich Native Hedgerow with trees
 - Species-rich Native Hedgerow with trees - associated with bank or ditch
 - ScatteredTree



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050100Meters

Scale: 1:3,000 @ A3

REV 04



LEGEND:

Order Limits

UKHab Habitats
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)

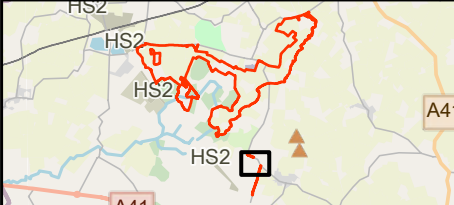
Other neutral grassland

Developed land; sealed surface

Native hedgerow

Species-rich native hedgerow

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

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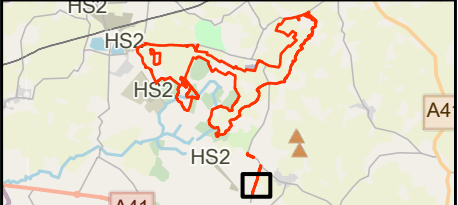
REV 04



LEGEND:

- Order Limits
- UKHab Habitats**
(Area RSK Feature ID labels in black)
(Linear RSK Feature ID labels in green)
- Other neutral grassland
- Developed land; sealed surface
- Native hedgerow
- Species-rich native hedgerow

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
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DOCUMENT:
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TITLE:
FIGURE 2 UKHAB PLAN
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PINS REFERENCE NUMBER:
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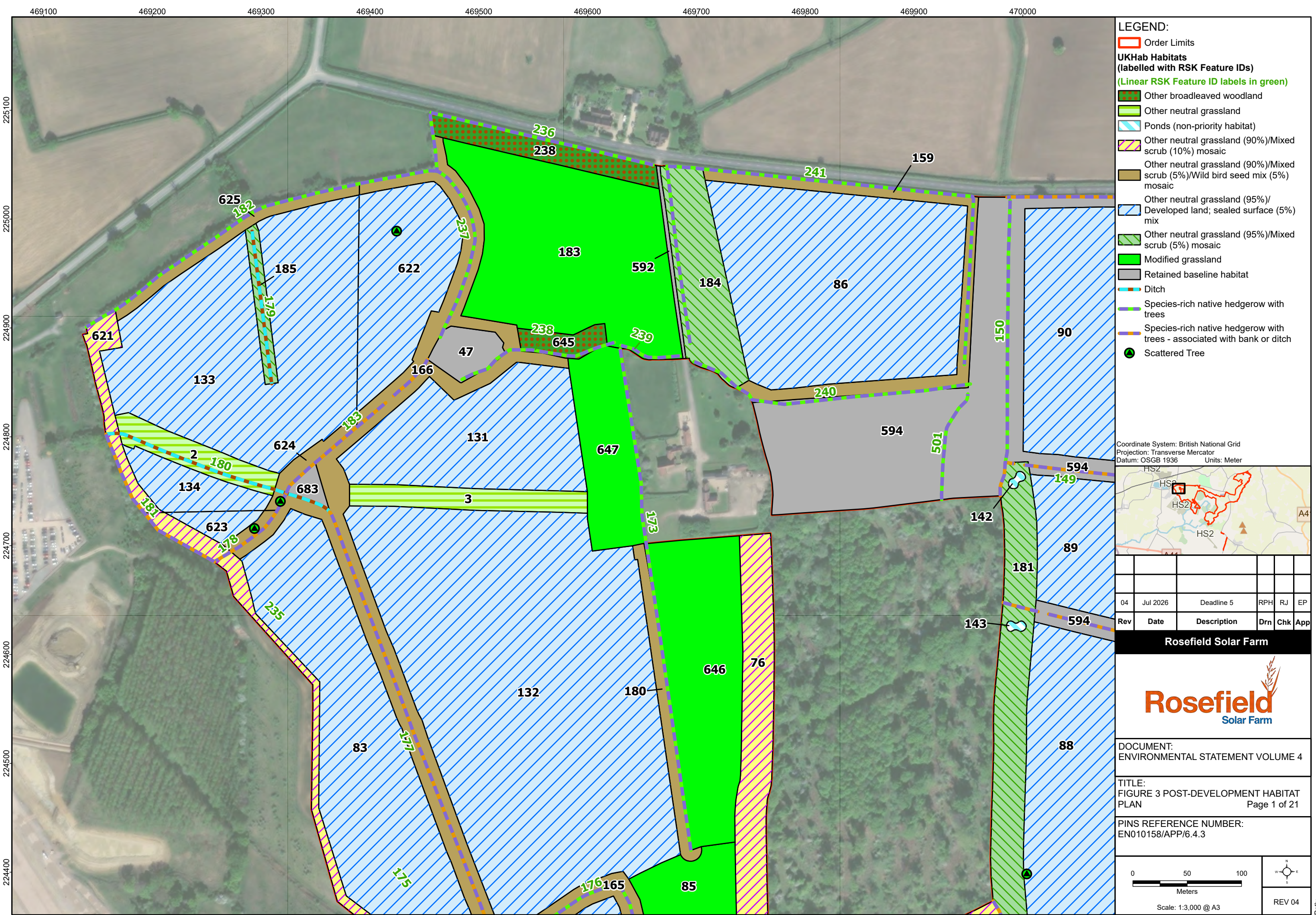
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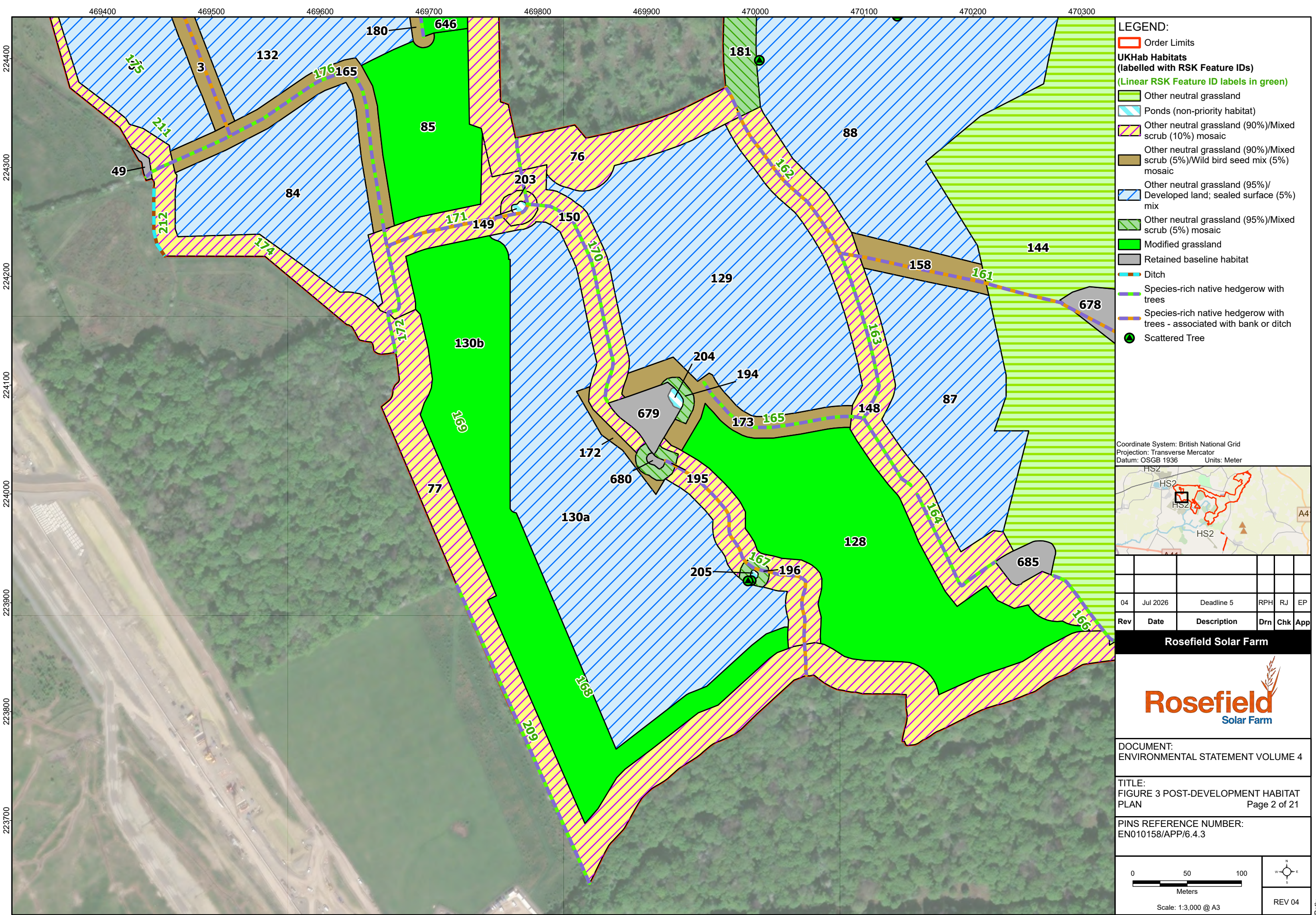
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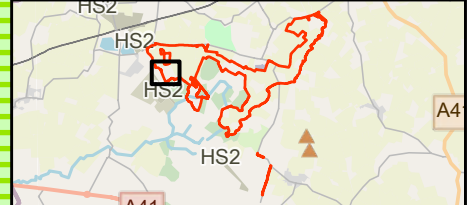
REV 04





- LEGEND:**
- Order Limits
 - UKHab Habitats**
(labelled with RSK Feature IDs)
(Linear RSK Feature ID labels in green)
 - Other neutral grassland
 - Ponds (non-priority habitat)
 - Other neutral grassland (90%)/Mixed scrub (10%) mosaic
 - Other neutral grassland (90%)/Mixed scrub (5%)/Wild bird seed mix (5%) mosaic
 - Other neutral grassland (95%)/Mixed scrub (5%) mosaic
 - Developed land; sealed surface (5%) mix
 - Other neutral grassland (95%)/Mixed scrub (5%) mosaic
 - Modified grassland
 - Retained baseline habitat
 - Ditch
 - Species-rich native hedgerow with trees
 - Species-rich native hedgerow with trees - associated with bank or ditch
 - Scattered Tree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
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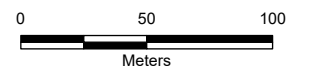
Rosefield Solar Farm



DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

TITLE:
FIGURE 3 POST-DEVELOPMENT HABITAT
PLAN
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PINS REFERENCE NUMBER:
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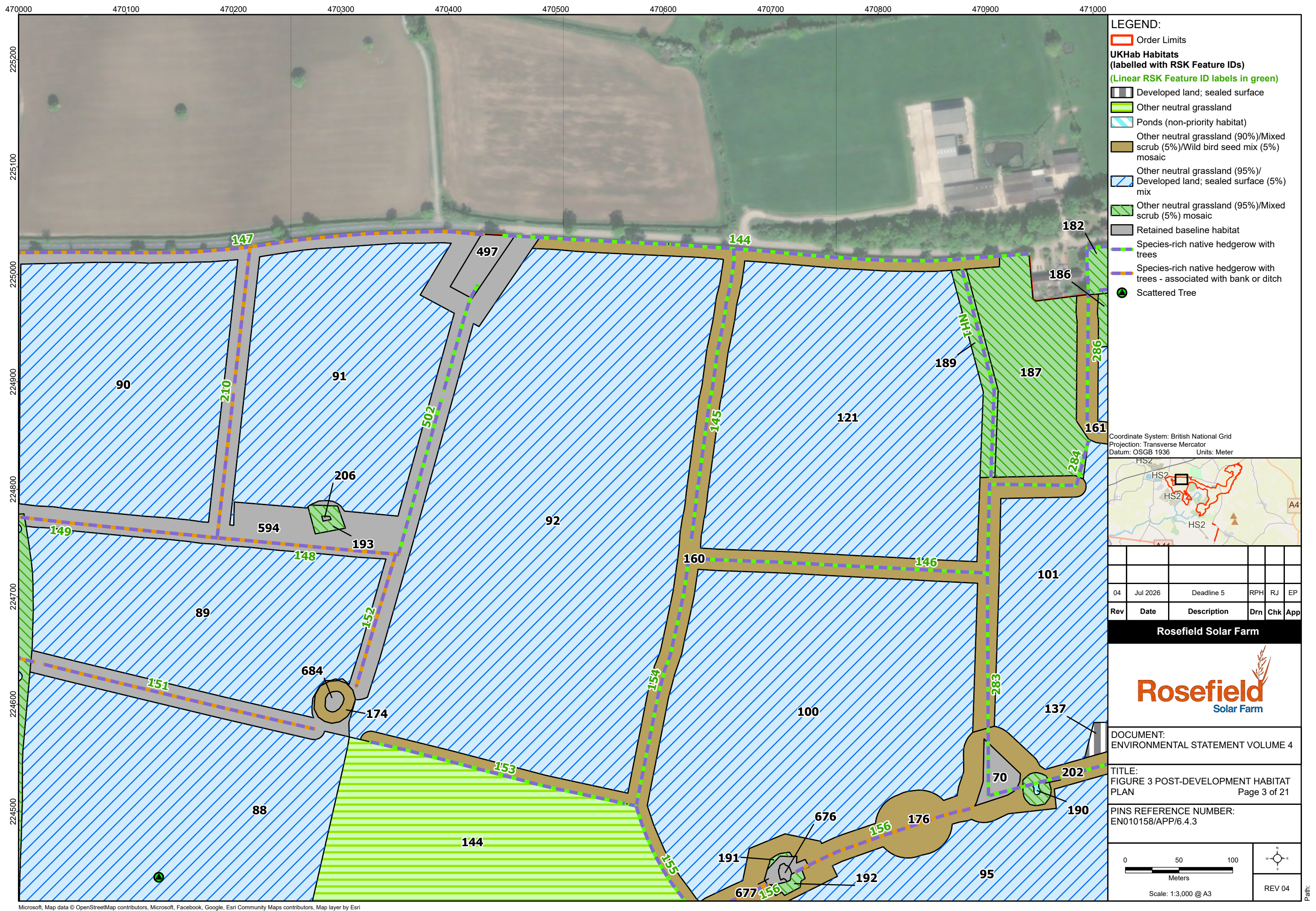


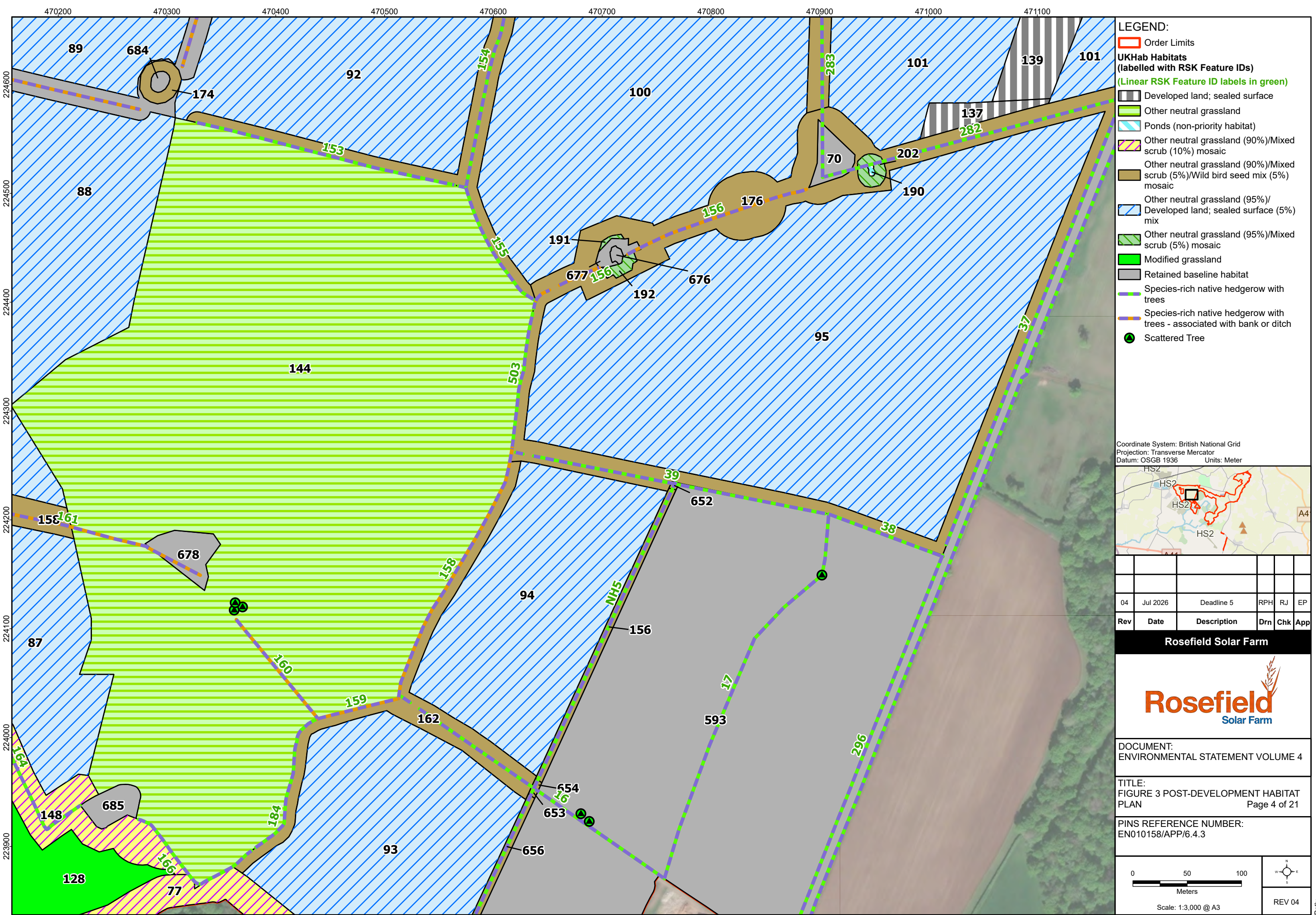
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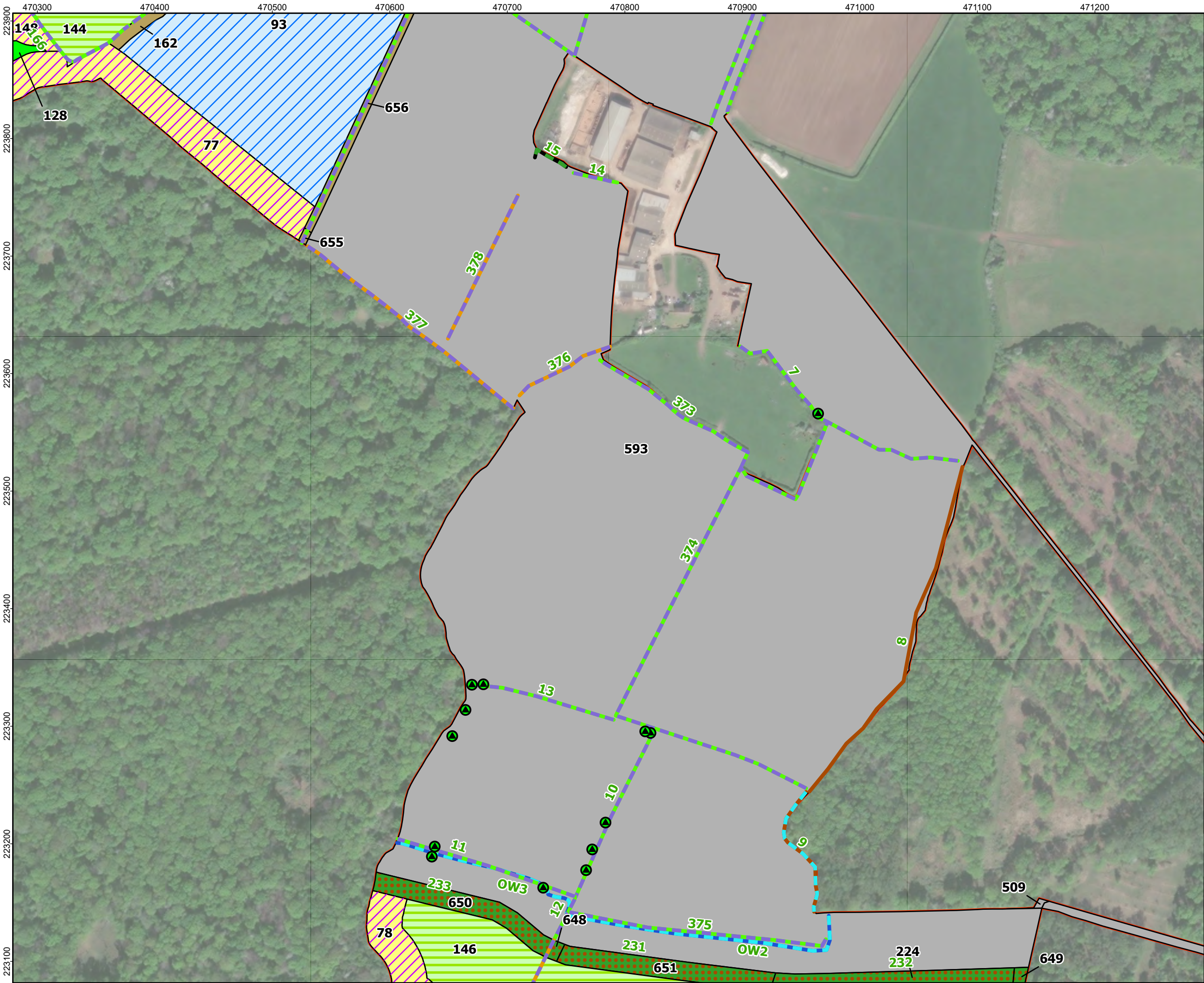


REV 04

Path:

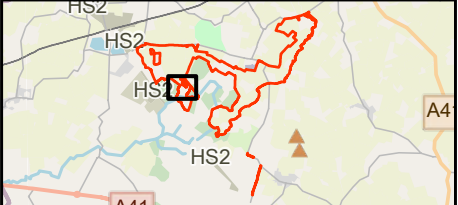






- LEGEND:**
- Order Limits
 - UKHab Habitats**
(labelled with RSK Feature IDs)
(Linear RSK Feature ID labels in green)
 - Other broadleaved woodland
 - Other neutral grassland
 - Other neutral grassland (90%)/Mixed scrub (10%) mosaic
 - Other neutral grassland (90%)/Mixed scrub (5%)/Wild bird seed mix (5%) mosaic
 - Other neutral grassland (95%)/Developed land; sealed surface (5%) mix
 - Modified grassland
 - Retained baseline habitat
 - Ditch
 - Dry ditch
 - Line of trees
 - Other rivers and streams
 - Species-rich native hedgerow with trees
 - Species-rich native hedgerow with trees - associated with bank or ditch
 - Scattered Tree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
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DOCUMENT:
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FIGURE 3 POST-DEVELOPMENT HABITAT PLAN
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LEGEND:

Order Limits

UKHab Habitats
(labelled with RSK Feature IDs)
(Linear RSK Feature ID labels in green)

Other broadleaved woodland

Other neutral grassland

Ponds (non-priority habitat)

Other neutral grassland (90%)/Mixed scrub (10%) mosaic

Retained baseline habitat

Ditch

Dry ditch

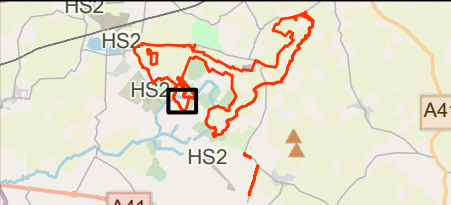
Other rivers and streams

Species-rich native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

Scattered Tree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
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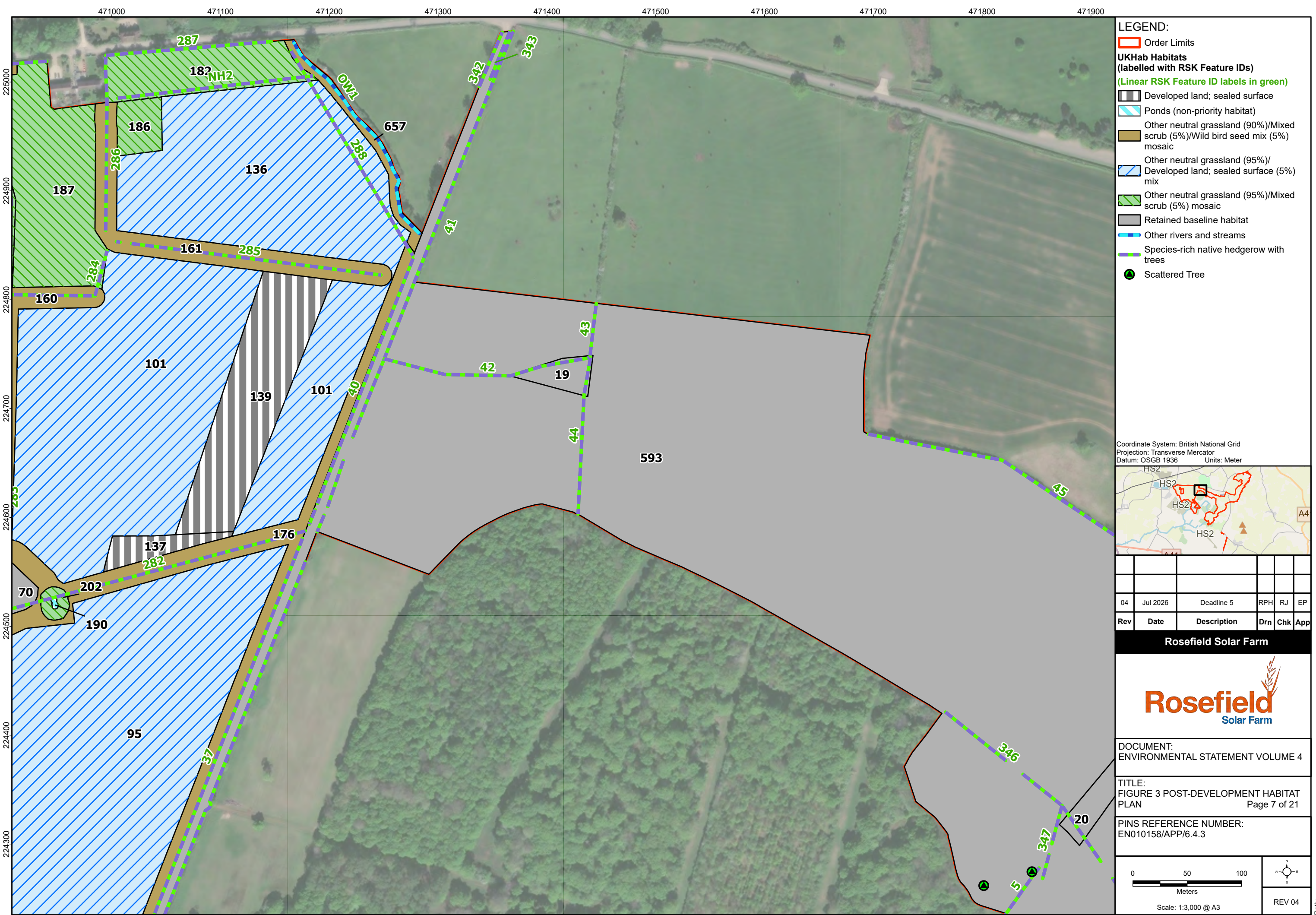
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ENVIRONMENTAL STATEMENT VOLUME 4

TITLE:
FIGURE 3 POST-DEVELOPMENT HABITAT PLAN
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PINS REFERENCE NUMBER:
EN010158/APP/6.4.3

Scale: 1:3,000 @ A3

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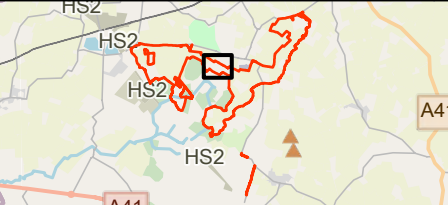




LEGEND:

- Order Limits
- UKHab Habitats**
(labelled with RSK Feature IDs)
(Linear RSK Feature ID labels in green)
- Other neutral grassland (90%)/Mixed scrub (5%)/Wild bird seed mix (5%) mosaic
- Other neutral grassland (95%)/Developed land; sealed surface (5%) mix
- Retained baseline habitat
- Line of trees
- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Scattered Tree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
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Rosefield Solar Farm

DOCUMENT:
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TITLE:
FIGURE 3 POST-DEVELOPMENT HABITAT
PLAN
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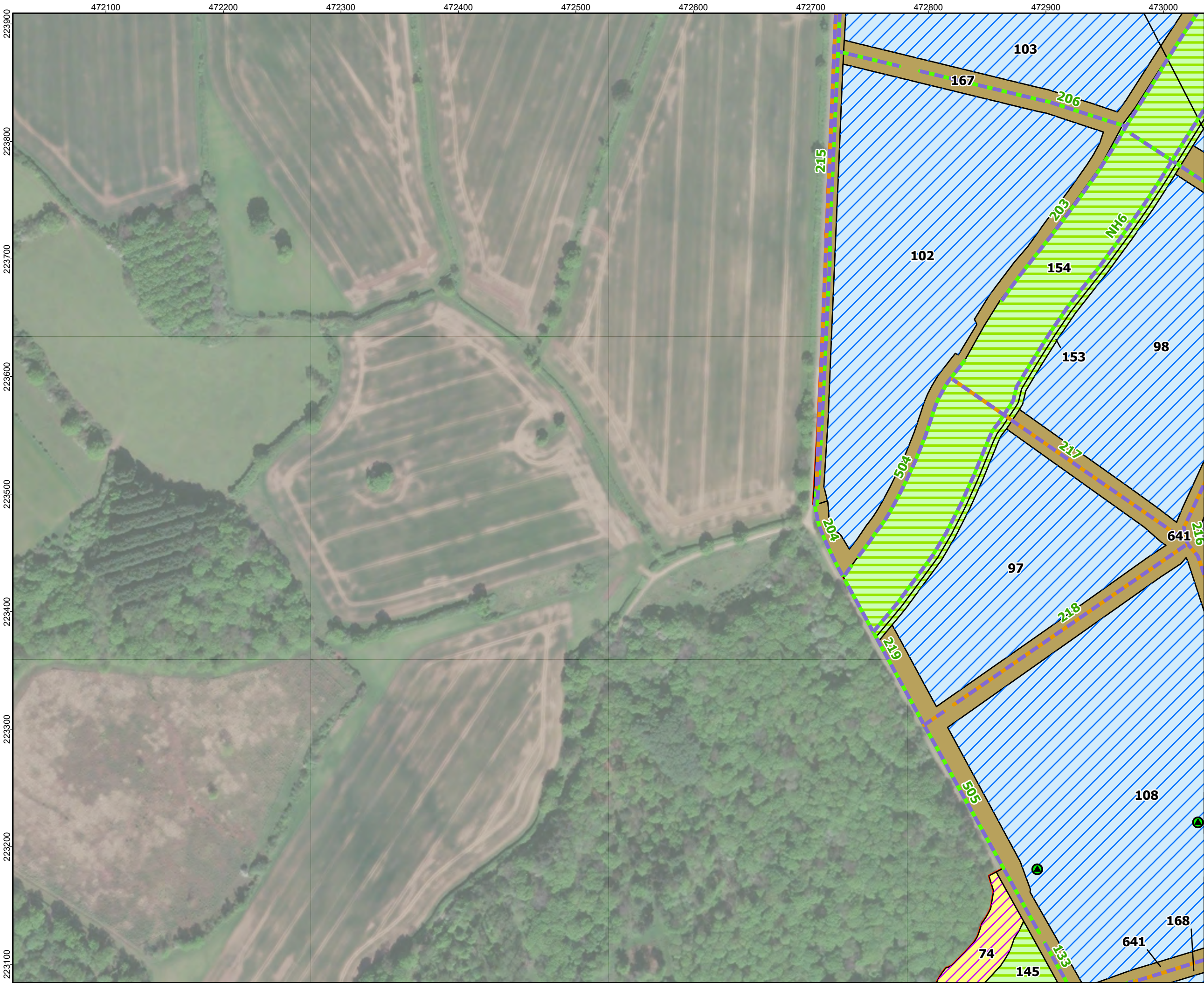
050100

Meters

Scale: 1:3,000 @ A3

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REV 04



LEGEND:

Order Limits

UKHab Habitats
(labelled with RSK Feature IDs)
(Linear RSK Feature ID labels in green)

Developed land; sealed surface

Other neutral grassland

Other neutral grassland (90%)/Mixed scrub (10%) mosaic

Other neutral grassland (90%)/Mixed scrub (5%)/Wild bird seed mix (5%) mosaic

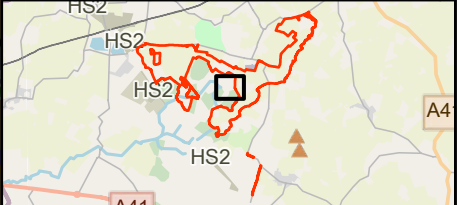
Other neutral grassland (95%)/Developed land; sealed surface (5%) mix

Species-rich native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

Scattered Tree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
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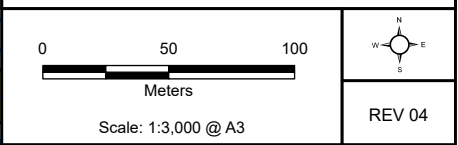
Rosefield Solar Farm

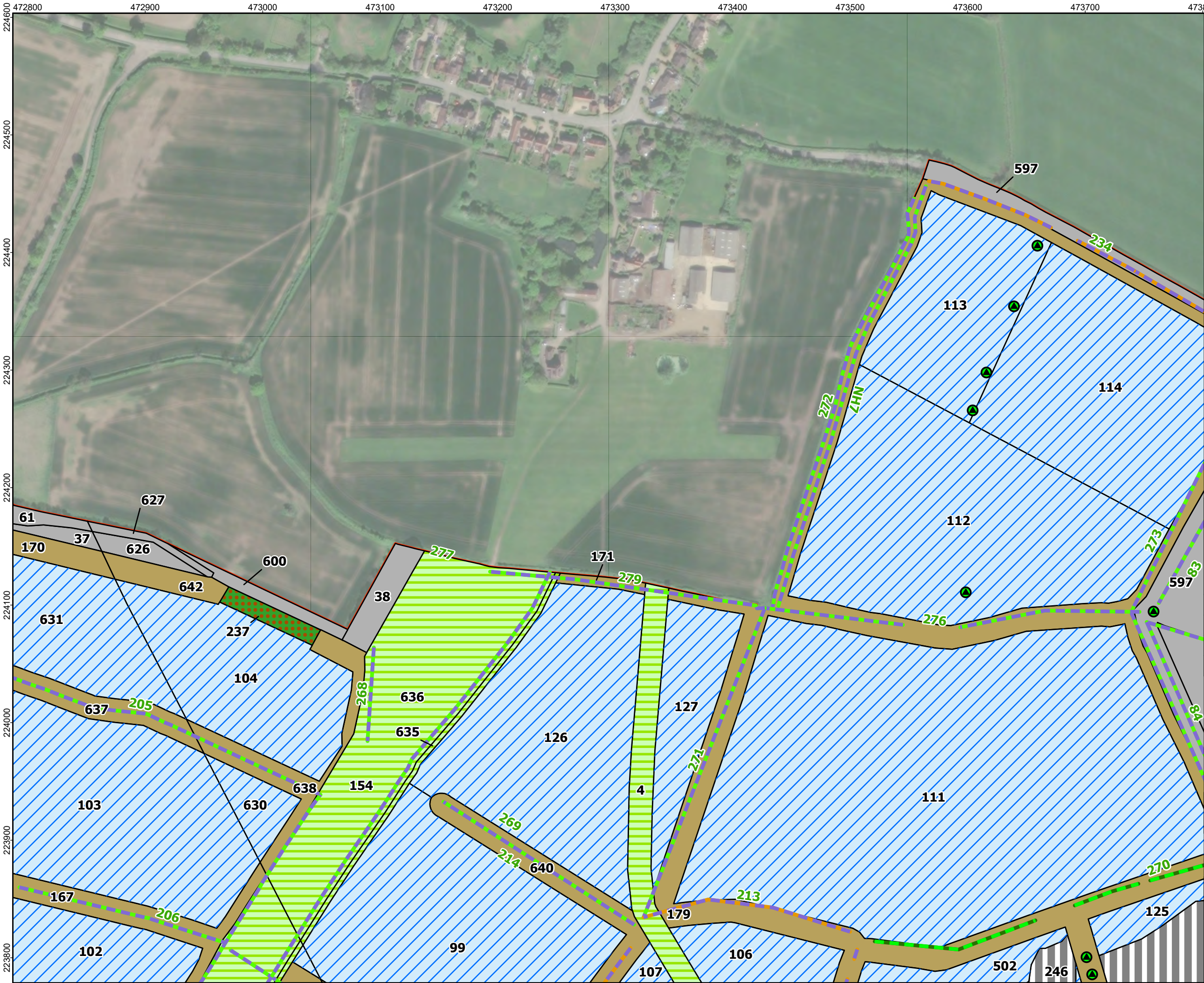


DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

TITLE:
FIGURE 3 POST-DEVELOPMENT HABITAT
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PINS REFERENCE NUMBER:
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LEGEND:

- Order Limits
- UKHab Habitats (labelled with RSK Feature IDs)**
(Linear RSK Feature ID labels in green)
- Developed land; sealed surface
- Other broadleaved woodland
- Other neutral grassland
- Other neutral grassland (90%)/Mixed scrub (5%)/Wild bird seed mix (5%) mosaic
- Other neutral grassland (95%)/Developed land; sealed surface (5%) mix
- Retained baseline habitat
- Ecologically valuable line of trees
- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Scattered Tree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter

04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

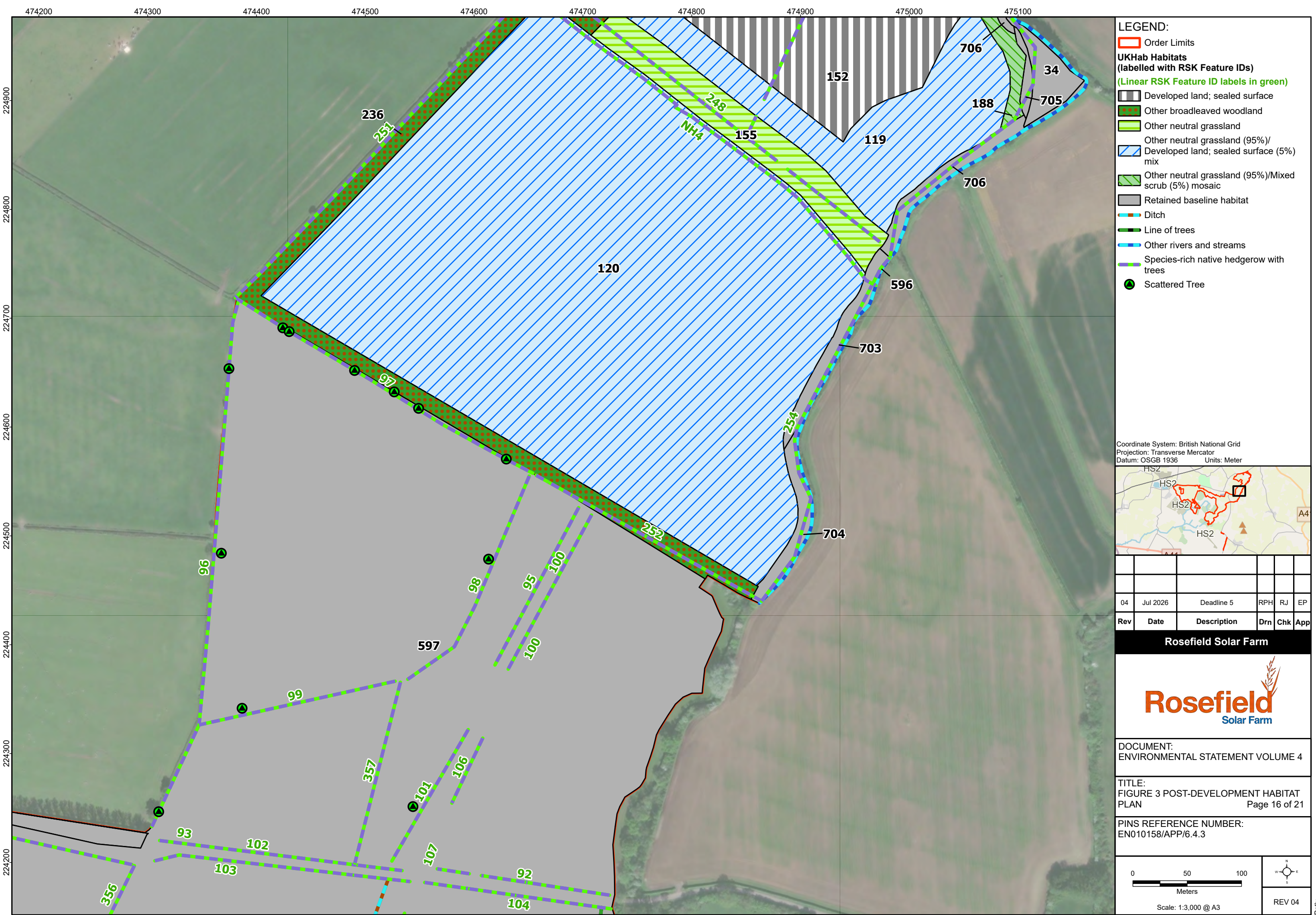
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FIGURE 3 POST-DEVELOPMENT HABITAT
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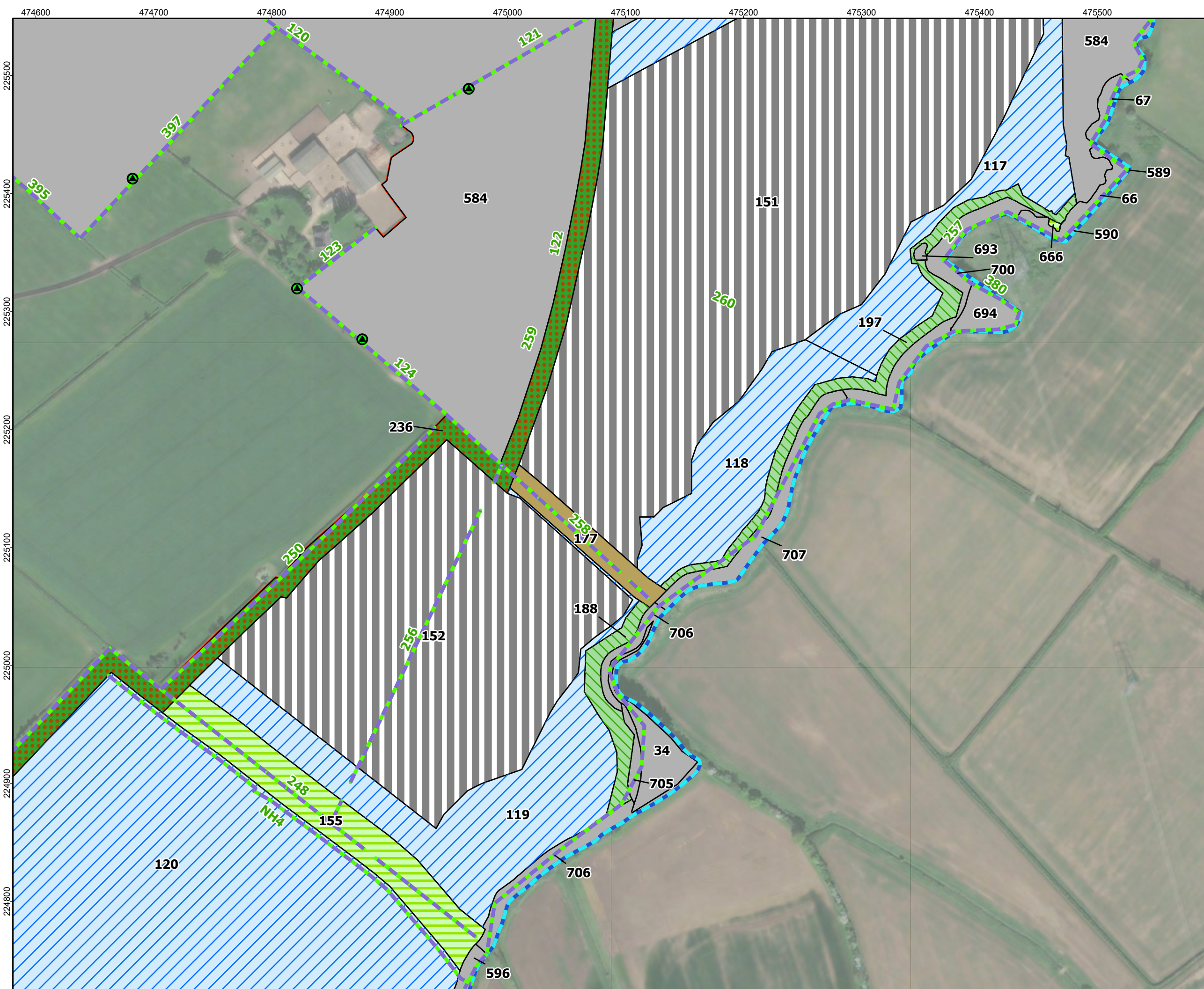
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REV 04







LEGEND:

- Order Limits
- UKHab Habitats (labelled with RSK Feature IDs)**
(Linear RSK Feature ID labels in green)
- Developed land; sealed surface
- Other broadleaved woodland
- Other neutral grassland
- Other neutral grassland (90%)/Mixed scrub (5%)/Wild bird seed mix (5%) mosaic
- Other neutral grassland (95%)/Developed land; sealed surface (5%) mix
- Other neutral grassland (95%)/Mixed scrub (5%) mosaic
- Retained baseline habitat
- Other rivers and streams
- Species-rich native hedgerow with trees
- Scattered Tree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter

04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

TITLE:
FIGURE 3 POST-DEVELOPMENT HABITAT PLAN
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Meters
Scale: 1:3,000 @ A3

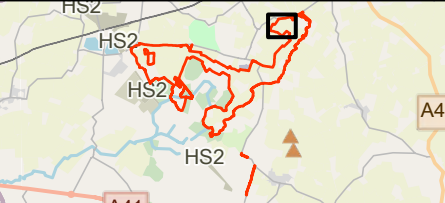
REV 04



LEGEND:

- Order Limits
- UKHab Habitats**
(labelled with RSK Feature IDs)
(Linear RSK Feature ID labels in green)
- Developed land; sealed surface
- Other broadleaved woodland
- Other neutral grassland (95%)/
Developed land; sealed surface (5%)
mix
- Retained baseline habitat
- Non-native and ornamental hedgerow
- Species-rich native hedgerow with
trees
- Scattered Tree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
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050100
Meters
Scale: 1:3,000 @ A3

REV 04



- LEGEND:**
- Order Limits
 - UKHab Habitats**
(labelled with RSK Feature IDs)
(Linear RSK Feature ID labels in green)
 - Developed land; sealed surface
 - Other broadleaved woodland
 - Other neutral grassland (95%)/
Developed land; sealed surface (5%)
mix
 - Other neutral grassland (95%)/Mixed
scrub (5%) mosaic
 - Retained baseline habitat
 - Non-native and ornamental hedgerow
 - Other rivers and streams
 - Species-rich native hedgerow with
trees
 - Species-rich native hedgerow with
trees - associated with bank or ditch
 - Scattered Tree

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

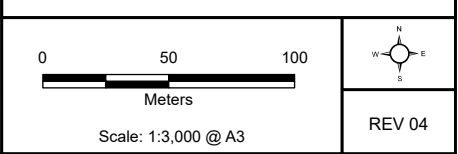
Rosefield Solar Farm



DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

TITLE:
FIGURE 3 POST-DEVELOPMENT HABITAT
PLAN
Page 19 of 21

PINS REFERENCE NUMBER:
EN010158/APP/6.4.3





LEGEND:

- Order Limits
- UKHab Habitats**
(labelled with RSK Feature IDs)
- Retained baseline habitat
- Species-rich native hedgerow
- Native hedgerow

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter

04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

TITLE:
FIGURE 3 POST-DEVELOPMENT HABITAT
PLAN
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PINS REFERENCE NUMBER:
EN010158/APP/6.4.3

Meters

Scale: 1:3,000 @ A3

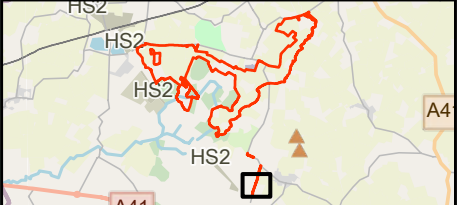
REV 04



LEGEND:

- Order Limits
- UKHab Habitats**
(labelled with RSK Feature IDs)
- Retained baseline habitat
- Species-rich native hedgerow
- Native hedgerow

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936 Units: Meter



04	Jul 2026	Deadline 5	RPH	RJ	EP
Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

DOCUMENT:
ENVIRONMENTAL STATEMENT VOLUME 4

TITLE:
FIGURE 3 POST-DEVELOPMENT HABITAT
PLAN
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PINS REFERENCE NUMBER:
EN010158/APP/6.4.3

050100

Meters

Scale: 1:3,000 @ A3

REV 04

Annex A – BNG assessment



Annex A - BNG assessment

A. Pre-construction calculations

Area Habitats

Project Name: Rosefield Solar Farm Map Reference:				Area habitat summary											
A-1 On-Site Habitat Baseline				Total Net Unit Change		978.40									
				Total Net % Change		46.63%									
				Trading Rules Satisfied		Yes ✓									
Condense / Show Columns		Condense / Show Rows													
Main Menu															
Existing area habitats				Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules	Ecological baseline							
Ref	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance		Total habitat units						
1	Urban	Developed land; sealed surface	No	15.64	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00						
2	Cropland	Arable field margins tussocky	No	2145	Medium	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	85.80						
3	Urban	Artificial unvegetated, unsealed surface	No	0.53	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00						
4	Heathland and shrub	Bramble scrub	No	0.19	Medium	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.76						
5	Cropland	Cereal crops	No	348.14	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	696.28						
6	Sparsely vegetated land	Ruderal/Ephemeral	No	0.04	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.08						
7	Sparsely vegetated land	Ruderal/Ephemeral	No	0.02	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.04						
8	Woodland and forest	Lowland mixed deciduous woodland	No	0.63	High	Moderate	Area/compensation not in local strategy/ no local strategy	Same habitat required =	7.56						
9	Woodland and forest	Lowland mixed deciduous woodland	No	0.23	High	Moderate	Area/compensation not in local strategy/ no local strategy	Same habitat required =	2.76						
10	Woodland and forest	Lowland mixed deciduous woodland	No	0.15	High	Moderate	Area/compensation not in local strategy/ no local strategy	Same habitat required =	1.80						
11	Woodland and forest	Lowland mixed deciduous woodland	No	0.14	High	Moderate	Area/compensation not in local strategy/ no local strategy	Same habitat required =	1.68						
12	Woodland and forest	Lowland mixed deciduous woodland	No	0.08	High	Moderate	Area/compensation not in local strategy/ no local strategy	Same habitat required =	0.96						
13	Heathland and shrub	Mixed scrub	No	0.73	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	5.84						
14	Heathland and shrub	Mixed scrub	No	0.25	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	2.00						
15	Heathland and shrub	Mixed scrub	No	0.19	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	1.52						
16	Heathland and shrub	Mixed scrub	No	0.05	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.40						
17	Heathland and shrub	Mixed scrub	No	0.05	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.40						
18	Heathland and shrub	Mixed scrub	No	0.04	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.16						
19	Heathland and shrub	Mixed scrub	No	0.04	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.48						
20	Heathland and shrub	Mixed scrub	No	0.03	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.36						
21	Grassland	Modified grassland	No	15.16	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	30.32						
22	Grassland	Modified grassland	No	13.85	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	27.70						
23	Grassland	Modified grassland	No	8.05	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	16.10						
24	Grassland	Modified grassland	No	7.74	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	15.48						
25	Grassland	Modified grassland	No	7.61	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	15.22						
26	Grassland	Modified grassland	No	7.15	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	14.30						
27	Grassland	Modified grassland	No	6.56	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	13.12						
28	Grassland	Modified grassland	No	6.16	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	12.32						
29	Grassland	Modified grassland	No	5.55	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	11.10						
30	Grassland	Modified grassland	No	5.38	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	10.76						
31	Grassland	Modified grassland	No	5.25	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	10.50						
32	Grassland	Modified grassland	No	4.97	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	9.94						
33	Grassland	Modified grassland	No	4.89	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	29.34						
34	Grassland	Modified grassland	No	4.63	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	27.78						
35	Grassland	Modified grassland	No	4.44	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	8.88						
36	Grassland	Modified grassland	No	3.45	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	13.80						
37	Grassland	Modified grassland	No	3.43	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	20.58						
38	Grassland	Modified grassland	No	2.77	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	16.62						
39	Grassland	Modified grassland	No	2.5	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	5.00						
40	Grassland	Modified grassland	No	2.11	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	4.22						
41	Grassland	Modified grassland	No	2.07	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	12.42						
42	Grassland	Modified grassland	No	2	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	4.00						
43	Grassland	Modified grassland	No	1.74	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	3.48						
44	Grassland	Modified grassland	No	1.2	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	2.40						
45	Grassland	Modified grassland	No	1.17	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	2.34						
46	Grassland	Modified grassland	No	0.97	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	1.94						
47	Grassland	Modified grassland	No	0.93	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	1.86						
48	Grassland	Modified grassland	No	0.77	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	4.62						
49	Grassland	Modified grassland	No	0.65	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	3.30						
50	Grassland	Modified grassland	No	0.64	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	1.28						
51	Grassland	Modified grassland	No	0.58	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	1.16						
52	Grassland	Modified grassland	No	0.5	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	1.00						
53	Grassland	Modified grassland	No	0.45	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.90						
54	Grassland	Modified grassland	No	0.44	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.88						
55	Grassland	Modified grassland	No	0.34	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.68						
56	Grassland	Modified grassland	No	0.15	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.30						
57	Grassland	Modified grassland	No	0.14	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.28						
58	Grassland	Modified grassland	No	0.06	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.12						
59	Grassland	Modified grassland	No	0.04	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.08						

95	Grassland	Other neutral grassland	No	0.65	Medium	Poor	Area/compensation not in local strategy/ no local strategy	distinctiveness habitat required (t ₂)	2.60		0	0	0.00	0.00	0.65	2.60
96	Grassland	Other neutral grassland	No	0.54	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	2.16		0.54	0	2.16	0.00	0.00	0.00
97	Grassland	Other neutral grassland	No	0.53	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	4.24		0	0	0.00	0.00	0.53	4.24
98	Grassland	Other neutral grassland	No	0.53	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	2.12		0.53	0	2.12	0.00	0.00	0.00
99	Grassland	Other neutral grassland	No	0.5	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	4.00		0.03	0	0.24	0.00	0.47	3.76
100	Grassland	Other neutral grassland	No	0.45	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	1.80		0.45	0	1.80	0.00	0.00	0.00
101	Grassland	Other neutral grassland	No	0.44	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	1.76		0.44	0	1.76	0.00	0.00	0.00
102	Grassland	Other neutral grassland	No	0.39	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	1.56		0	0	0.00	0.00	0.39	1.56
103	Grassland	Other neutral grassland	No	0.37	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	2.96		0.37	0	2.96	0.00	0.00	0.00
104	Grassland	Other neutral grassland	No	0.33	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	1.32		0.33	0	1.32	0.00	0.00	0.00
105	Grassland	Other neutral grassland	No	0.27	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	2.16		0.27	0	2.16	0.00	0.00	0.00
106	Grassland	Other neutral grassland	No	0.23	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	1.84		0	0	0.00	0.00	0.23	1.84
107	Grassland	Other neutral grassland	No	0.23	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	1.84		0	0	0.00	0.00	0.23	1.84
108	Grassland	Other neutral grassland	No	0.17	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	0.68		0.17	0	0.68	0.00	0.00	0.00
109	Grassland	Other neutral grassland	No	0.15	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	1.20		0.15	0	1.20	0.00	0.00	0.00
110	Grassland	Other neutral grassland	No	0.12	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	0.48		0.12	0	0.48	0.00	0.00	0.00
111	Grassland	Other neutral grassland	No	0.11	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (t ₂)	0.88		0	0	0.00	0.00	0.11	0.88

146	Woodland and forest	Other woodland; broadleaved	No	0.19	Medium	Poor	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.76		0.19	0	0.76	0.00	0.00	0.00
147	Woodland and forest	Other woodland; broadleaved	No	0.18	Medium	Good	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	2.16		0.18	0	2.16	0.00	0.00	0.00
148	Woodland and forest	Other woodland; broadleaved	No	0.16	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	1.28		0.16	0	1.28	0.00	0.00	0.00
149	Woodland and forest	Other woodland; broadleaved	No	0.14	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	1.12		0.14	0	1.12	0.00	0.00	0.00
150	Woodland and forest	Other woodland; broadleaved	No	0.13	Medium	Poor	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.52		0.13	0	0.52	0.00	0.00	0.00
151	Woodland and forest	Other woodland; broadleaved	No	0.09	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.72		0.09	0	0.72	0.00	0.00	0.00
152	Woodland and forest	Other woodland; broadleaved	No	0.09	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.72		0.09	0	0.72	0.00	0.00	0.00
153	Woodland and forest	Other woodland; broadleaved	No	0.08	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.64		0.08	0	0.64	0.00	0.00	0.00
154	Woodland and forest	Other woodland; broadleaved	No	0.08	Medium	Poor	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.32		0.08	0	0.32	0.00	0.00	0.00
155	Woodland and forest	Other woodland; broadleaved	No	0.06	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.48		0.06	0	0.48	0.00	0.00	0.00
156	Woodland and forest	Other woodland; broadleaved	No	0.05	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.40		0.05	0	0.40	0.00	0.00	0.00
157	Woodland and forest	Other woodland; broadleaved	No	0.05	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.40		0.05	0	0.40	0.00	0.00	0.00
158	Woodland and forest	Other woodland; broadleaved	No	0.04	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.32		0.04	0	0.32	0.00	0.00	0.00
159	Woodland and forest	Other woodland; broadleaved	No	0.04	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.32		0.04	0	0.32	0.00	0.00	0.00
160	Woodland and forest	Other woodland; mixed	No	0.34	Medium	Poor	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	3.76		0.34	0	3.76	0.00	0.00	0.00
161	Woodland and forest	Other woodland; mixed	No	0.34	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	2.72		0.34	0	2.72	0.00	0.00	0.00
162	Woodland and forest	Other woodland; mixed	No	0.06	Medium	Moderate	Area\compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.48		0.06	0	0.48	0.00	0.00	0.00

163	Rivers and lakes	Ponds (non-priority habitat)	No	0.09	Medium	Poor	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.36	0.09	0	0.36	0.00	0.00	0.00
164	Rivers and lakes	Ponds (non-priority habitat)	No	0.08	Medium	Poor	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.32	0.08	0	0.32	0.00	0.00	0.00
165	Rivers and lakes	Ponds (non-priority habitat)	No	0.04	Medium	Poor	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.16	0.04	0	0.16	0.00	0.00	0.00
166	Rivers and lakes	Ponds (non-priority habitat)	No	0.04	Medium	Moderate	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.32	0.04	0	0.32	0.00	0.00	0.00
167	Rivers and lakes	Ponds (non-priority habitat)	No	0.03	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.36	0.03	0	0.36	0.00	0.00	0.00
168	Rivers and lakes	Ponds (non-priority habitat)	No	0.01	Medium	Moderate	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.08	0.01	0	0.08	0.00	0.00	0.00
169	Rivers and lakes	Ponds (non-priority habitat)	No	0.01	Medium	Poor	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.04	0.01	0	0.04	0.00	0.00	0.00
170	Rivers and lakes	Ponds (non-priority habitat)	No	0.01	Medium	Moderate	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.08	0.01	0	0.08	0.00	0.00	0.00
171	Rivers and lakes	Ponds (non-priority habitat)	No	0.01	Medium	Poor	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.04	0.01	0	0.04	0.00	0.00	0.00
172	Rivers and lakes	Ponds (non-priority habitat)	No	0	Medium	Moderate	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0	0	0.00	0.00	0.00	0.00
173	Rivers and lakes	Ponds (priority habitat)	No	0.08	High	Moderate	Areal compensation not in local strategy/ no local strategy	Same habitat required =	0.36	0.08	0	0.36	0.00	0.00	0.00
174	Rivers and lakes	Ponds (priority habitat)	No	0.05	High	Moderate	Areal compensation not in local strategy/ no local strategy	Same habitat required =	0.60	0.05	0	0.60	0.00	0.00	0.00
175	Rivers and lakes	Ponds (priority habitat)	No	0.01	High	Moderate	Areal compensation not in local strategy/ no local strategy	Same habitat required =	0.12	0.01	0	0.12	0.00	0.00	0.00
176	Rivers and lakes	Ponds (priority habitat)	No	0.01	High	Moderate	Areal compensation not in local strategy/ no local strategy	Same habitat required =	0.12	0.01	0	0.12	0.00	0.00	0.00
177	Rivers and lakes	Ponds (priority habitat)	No	0.01	High	Moderate	Areal compensation not in local strategy/ no local strategy	Same habitat required =	0.12	0.01	0	0.12	0.00	0.00	0.00
178	Rivers and lakes	Ponds (priority habitat)	No	0.01	High	Moderate	Areal compensation not in local strategy/ no local strategy	Same habitat required =	0.12	0.01	0	0.12	0.00	0.00	0.00
179	Rivers and lakes	Ponds (priority habitat)	No	0.01	High	Moderate	Areal compensation not in local strategy/ no local strategy	Same habitat required =	0.12	0.01	0	0.12	0.00	0.00	0.00
180	Rivers and lakes	Ponds (priority habitat)	No	0.01	High	Moderate	Areal compensation not in local strategy/ no local strategy	Same habitat required =	0.12	0.01	0	0.12	0.00	0.00	0.00
181	Rivers and lakes	Ponds (priority habitat)	No	0	High	Poor	Areal compensation not in local strategy/ no local strategy	Same habitat required =	0.00	0	0	0.00	0.00	0.00	0.00
182	Wetland	Reedbeds	No	0.46	High	Poor	Areal compensation not in local strategy/ no local strategy	Same habitat required =	2.76	0.46	0	2.76	0.00	0.00	0.00

183	Cropland	Temporary grass and clover leys	No	6.3	Low	Condition Assessment N/A	Areal compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	13.80	6.3	0	13.80	0.00	0.00	0.00
184	Urban	Vegetated garden	No	0.03	Low	Condition Assessment N/A	Areal compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.06	0.03	0	0.06	0.00	0.00	0.00
185															
186	Individual trees	Rural tree	Yes	0.0163	Medium	Poor	Areal compensation not in local strategy/ no local strategy	Bespoke compensation likely to be required	0.00	0.0163	0	Irreplaceable habitat - no units generated (1)	0.00	0.00	0.00
187	Individual trees	Rural tree	Yes	0.0765	Medium	Poor	Areal compensation not in local strategy/ no local strategy	Bespoke compensation likely to be required	0.00	0.0765	0	Irreplaceable habitat - no units generated (1)	0.00	0.00	0.00
188	Individual trees	Rural tree	Yes	0.0765	Medium	Poor	Areal compensation not in local strategy/ no local strategy	Bespoke compensation likely to be required	0.00	0.0765	0	Irreplaceable habitat - no units generated (1)	0.00	0.00	0.00
189	Individual trees	Rural tree	Yes	0.0765	Medium	Good	Areal compensation not in local strategy/ no local strategy	Bespoke compensation likely to be required	0.00	0.0765	0	Irreplaceable habitat - no units generated (1)	0.00	0.00	0.00
190															
191	Individual trees	Rural tree	No	0.0244	Medium	Poor	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.10	0.0244	0	0.10	0.00	0.00	0.00
192	Individual trees	Rural tree	No	0.8817	Medium	Moderate	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	7.05	0.8817	0	7.05	0.00	0.00	0.00

193	Individual trees	Rural tree	No	3.919	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	47.03	3.919	0	47.03	0.00	0.00	0.00
194	Individual trees	Rural tree	No	0.0733	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.88	0.0733	0	0.88	0.00	0.00	0.00
195	Individual trees	Rural tree	No	0.0163	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.20	0	0	0.00	0.00	0.02	0.20
196	Individual trees	Rural tree	No	0.0163	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.20	0	0	0.00	0.00	0.02	0.20
197	Individual trees	Rural tree	No	0.0163	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.20	0	0	0.00	0.00	0.02	0.20
198	Individual trees	Rural tree	No	0.0163	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.20	0	0	0.00	0.00	0.02	0.20
199	Individual trees	Rural tree	No	0.0163	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.20	0	0	0.00	0.00	0.02	0.20
200	Individual trees	Rural tree	No	0.0366	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.44	0	0	0.00	0.00	0.04	0.44
201	Individual trees	Rural tree	No	0.0163	Medium	Good	Areal compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.20	0	0	0.00	0.00	0.02	0.20

Application Document Ref: EN010158/APP/6.4.4
Planning Inspectorate Scheme Ref: EN010158

Project Name: Rosefield Solar Farm Map Reference: B-1 On-Site Hedge Baseline				Hedgerow summary			
Condense / Show Columns				Condense / Show Rows			
Main Menu							
Existing hedgerow habitats				Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules
Ref	Hedge number	Habitat type	Length (km)	Distinctiveness	Condition	Strategic significance	Ecological baseline Total hedgerow units
1	1	Native hedgerow	0.18	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.36
2	2	Native hedgerow	0.39	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.56
3	4	Native hedgerow	0.05	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.20
4	5	Native hedgerow with trees	0.05	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.40
5	6	Native hedgerow	0.14	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.28
6	7	Native hedgerow - associated with bank or ditch	0.11	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.32
7	10	Native hedgerow with trees - associated with bank or ditch	0.16	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better 2.88
8	11	Native hedgerow with trees - associated with bank or ditch	0.16	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better 2.88
9	12	Native hedgerow	0.04	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.24
10	13	Native hedgerow - associated with bank or ditch	0.12	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.44
11	14	Native hedgerow with trees - associated with bank or ditch	0.04	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better 0.48
12	15	Line of trees	0.04	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.08
13	16	Native hedgerow with trees - associated with bank or ditch	0.29	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better 3.48
14	17	Native hedgerow - associated with bank or ditch	0.38	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 4.56
15	18	Native hedgerow with trees - associated with bank or ditch	0.09	High	Poor	Area/compensation not in local strategy/ no local strategy	Like for like or better 0.54
16	19	Species-rich native hedgerow with trees - associated with bank or ditch	0.33	V.High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like 5.28
17	33	Line of trees	0.45	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.80
18	35	Line of trees	0.02	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.08
19	36	Line of trees	0.34	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.36
20	37	Species-rich native hedgerow - associated with bank or ditch	0.45	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better 8.10
21	38	Native hedgerow - associated with bank or ditch	0.11	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.32
22	39	Native hedgerow with trees - associated with bank or ditch	0.29	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better 3.48
23	40	Native hedgerow with trees - associated with bank or ditch	0.26	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better 4.68
24	41	Native hedgerow with trees - associated with bank or ditch	1.32	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better 23.76
25	42	Native hedgerow	0.19	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.14
26	43	Native hedgerow	0.05	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.30
27	44	Native hedgerow with trees	0.14	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.68
28	45	Native hedgerow with trees - associated with bank or ditch	0.37	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better 6.66
29	52	Native hedgerow with trees	0.19	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.52
30	60	Native hedgerow with trees - associated with bank or ditch	0.46	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better 5.52
31	64	Line of trees	0.03	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.06
32	65	Species-rich native hedgerow with trees - associated with bank or ditch	0.24	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like 5.76
33	67	Native hedgerow	0.44	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.76
34	69	Native hedgerow with trees - associated with bank or ditch	0.25	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better 3.00
35	72	Native hedgerow with trees	0.13	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.04
36	76	Native hedgerow with trees	0.16	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.28
37	77	Native hedgerow with trees	0.29	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 2.32
38	78	Native hedgerow	0.14	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 0.56
39	79	Native hedgerow with trees - associated with bank or ditch	0.36	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better 4.32
40	81	Native hedgerow with trees - associated with bank or ditch	0.18	High	Poor	Area/compensation not in local strategy/ no local strategy	Like for like or better 1.08
41	83	Native hedgerow with trees	0.23	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.84
42	84	Native hedgerow with trees	0.18	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better 1.44
43	88	Native hedgerow with trees - associated with bank or ditch					

74	133	Species-rich native hedgerow	0.18	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.16	0	0.17	0.00	2.04	0.01	0.12
75	134	Species-rich native hedgerow with trees	0.06	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.08	0.06	0	1.08	0.00	0.00	0.00
76	135	Species-rich native hedgerow	0.19	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.28	0	0.19	0.00	2.28	0.00	0.00
77	136	Native hedgerow with trees	0.35	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	4.20	0.35	0	4.20	0.00	0.00	0.00
78	137	Species-rich native hedgerow	0.28	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	3.36	0	0.27	0.00	3.24	0.01	0.12
79	138	Species-rich native hedgerow	0.1	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.20	0	0.1	0.00	1.20	0.00	0.00
80	139	Species-rich native hedgerow with trees	0.09	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.62	0.09	0	1.62	0.00	0.00	0.00
81	140	Species-rich native hedgerow with trees	0.4	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	7.20	0.4	0	7.20	0.00	0.00	0.00
82	141	Native hedgerow	0.03	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.12	0	0.03	0.00	0.12	0.00	0.00
83	142	Species-rich native hedgerow with trees	0.29	High	Poor	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.74	0	0.29	0.00	1.74	0.00	0.00
84	143	Native hedgerow	0.18	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.72	0	0.18	0.00	0.72	0.00	0.00
85	144	Species-rich native hedgerow with trees	0.43	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	8.82	0.43	0	8.82	0.00	0.00	0.00
86	145	Species-rich native hedgerow with trees	0.27	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	4.86	0.27	0	4.86	0.00	0.00	0.00
87	146	Species-rich native hedgerow	0.44	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	3.52	0	0.44	0.00	3.52	0.00	0.00
88	147	Species-rich native hedgerow - associated with bank or ditch	0.45	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	8.10	0	0.45	0.00	8.10	0.00	0.00
89	148	Native hedgerow - associated with bank or ditch	0.17	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.04	0	0.17	0.00	2.04	0.00	0.00
90	149	Native hedgerow with trees - associated with bank or ditch	0.23	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	4.14	0.22	0	3.96	0.00	0.01	0.18
91	150	Native hedgerow	0.24	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.44	0.24	0	1.44	0.00	0.00	0.00
92	151	Species-rich native hedgerow with trees - associated with bank or ditch	0.3	V.High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like	4.80	0	0.29	0.00	4.64	0.01	0.16
93	152	Native hedgerow with trees - associated with bank or ditch	0.13	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.56	0	0.13	0.00	1.56	0.00	0.00
94	153	Native hedgerow with trees	0.25	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	3.00	0.25	0	3.00	0.00	0.00	0.00
95	154	Native hedgerow	0.24	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.44	0	0.24	0.00	1.44	0.00	0.00
96	155	Native hedgerow with trees	0.13	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.56	0.13	0	1.56	0.00	0.00	0.00
97	156	Native hedgerow - associated with bank or ditch	0.24	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.88	0	0.23	0.00	2.76	0.01	0.12
98	158	Native hedgerow with trees - associated with bank or ditch	0.26	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	4.68	0.26	0	4.68	0.00	0.00	0.00
99	159	Native hedgerow with trees - associated with bank or ditch	0.08	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	0.96	0	0.08	0.00	0.96	0.00	0.00
100	160	Species-rich native hedgerow with trees - associated with bank or ditch	0.12	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	2.88	0.12	0	2.88	0.00	0.00	0.00
101	161	Native hedgerow with trees - associated with bank or ditch	0.26	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	4.68	0.26	0	4.68	0.00	0.00	0.00
102	162	Native hedgerow with trees - associated with bank or ditch	0.19	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.42	0.18	0	3.24	0.00	0.01	0.18
103	163	Native hedgerow with trees	0.16	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.92	0.16	0	1.92	0.00	0.00	0.00
104	164	Native hedgerow with trees	0.22	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.64	0.21	0	2.52	0.00	0.01	0.12
105	165	Native hedgerow with trees	0.16	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.28	0	0.16	0.00	1.28	0.00	0.00
106	166	Native hedgerow	0.08	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.32	0	0.08	0.00	0.32	0.00	0.00
107	167	Native hedgerow with trees - associated with bank or ditch	0.27	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.24	0	0.27	0.00	3.24	0.00	0.00
108	170	Native hedgerow with trees	0.28	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.24	0	0.28	0.00	2.24	0.00	0.00
109	171	Native hedgerow with trees - associated with bank or ditch	0.13	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.56	0	0.13	0.00	1.56	0.00	0.00
110	172	Native hedgerow	0.1	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.60	0	0.1	0.00	0.60	0.00	0.00
111	173	Native hedgerow	0.47	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.82	0	0.47	0.00	2.82	0.00	0.00
112	176	Species-rich native hedgerow with trees	0.38	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	6.84	0.37	0	6.66	0.00	0.01	0.18
113	177	Native hedgerow - associated with bank or ditch	0.43	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	5.16	0	0.43	0.00	5.16	0.00	0.00
114	178	Native hedgerow - associated with bank or ditch	0.09	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.08	0	0.09	0.00	1.08	0.00	0.00
115	181	Species-rich native hedgerow with trees - associated with bank or ditch	0.16	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	3.84	0.16	0	3.84	0.00	0.00	0.00
116	182	Native hedgerow	0.36	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.16	0	0.36	0.00	2.16	0.00	0.00
117	183	Native hedgerow - associated with bank or ditch	0.18	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.16	0	0.17	0.00	2.04	0.01	0.12
118	184	Native hedgerow	0.2	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.20	0	0.2	0.00	1.20	0.00	0.00
119	186	Native hedgerow - associated with bank or ditch	0.15	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.80	0	0.15	0.00	1.80	0.00	0.00
120	187	Native hedgerow with trees - associated with bank or ditch	0.22	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.96	0.22	0	3.96	0.00	0.00	0.00
121	188	Species-rich native hedgerow with trees - associated with bank or ditch	0.12	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	2.88	0.12	0	2.88	0.00	0.00	0.00
122	190	Native hedgerow - associated with bank or ditch	0.38	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	4.56	0	0.36	0.00	4.32	0.02	0.24
123	191	Native hedgerow with trees - associated with bank or ditch	0.18	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.24	0.16	0	2.88	0.00	0.02	0.36
124	192	Species-rich native hedgerow - associated with bank or ditch	0.32	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	5.76	0	0.31	0.00	5.58	0.01	0.18
125	193	Species-rich native hedgerow with trees - associated with bank or ditch	0.77	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	18.48	0.77	0	18.48	0.00	0.00	0.00
126	194	Native hedgerow with trees - associated with bank or ditch	0.13	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	2.34	0.13	0	2.34	0.00	0.00	0.00
127	195	Species-rich native hedgerow with trees - associated with bank or ditch	0.48	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	11.52	0.48	0	11.52	0.00	0.00	0.00
128	196	Species-rich native hedgerow with trees - associated with bank or ditch	0.09	V.High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like	1.44	0	0.09	0.00	1.44	0.00	0.00
129	197	Species-rich native hedgerow	0.2	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.60	0	0.19	0.00	1.52	0.01	0.08
130	198	Species-rich native hedgerow with trees - associated with bank or ditch	0.31	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	7.44	0.3	0	7.20	0.00	0.01	0.24
131	199	Species-rich native hedgerow with trees - associated with bank or ditch	0.05	V.High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like	0.80	0	0.05	0.00	0.80	0.00	0.00
132	200	Species-rich native hedgerow with trees - associated with bank or ditch	0.24	V.High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like	3.84	0	0.24	0.00	3.84	0.00	0.00
133	202	Native hedgerow with trees	0.26	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	3.12	0.25	0	3.00	0.00	0.01	0.12
134	203	Native hedgerow with trees	0.18	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.44	0	0.18	0.00	1.44	0.00	0.00
135	204	Native hedgerow with trees	0.08	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.96	0.08	0	0.96	0.00	0.00	0.00
136	205	Native hedgerow	0.34	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.36	0	0.33	0.00	1.32	0.01	0.04
137	206	Native hedgerow	0.41	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.46	0	0.39	0.00	2.34	0.02	0.12
138	209	Native hedgerow	0.3	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.80	0	0.3	0.00	1.80	0.00	0.00
139	210	Native hedgerow - associated with bank or ditch	0.27	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	3.24	0	0.26	0.00	3.12	0.01	0.12
140	213	Native hedgerow - associated with bank or ditch	0.18	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.16	0	0.18	0.00	2.16	0.00	0.00
141	214	Native hedgerow	0.19	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.76	0	0.19	0.00	0.76	0.00	0.00
142	215	Native hedgerow with trees - associated with bank or ditch	0.55	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	9.90	0.55	0	9.90	0.00	0.00	0.00
143	216	Native hedgerow with trees - associated with bank or ditch	0.5	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	9.00	0.47	0	8.46	0.00	0.03	0.54
144	217	Native hedgerow with trees - associated with bank or ditch	0.23	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	4.14	0.23	0	4.14	0.00	0.00	0.00
145	218	Native hedgerow with trees - associated with bank or ditch	0.27	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.24	0	0.26	0.00	3.12	0.01	0.12
146	219	Native hedgerow	0.14	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.84	0	0.14	0.00	0.84	0.00	0.00
147	220	Native hedgerow with trees - associated with bank or ditch	0.11	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.98	0.11	0	1.98	0.00	0.00	0.00
148	221	Line of trees	0.03	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.12	0.03	0	0.12	0.00	0.00	0.00
149	222	Line of trees	0.03	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.12	0.03	0	0.12	0.00	0.00	0.00
150	223	Line of trees	0.03	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.12	0.03	0	0.12	0.00	0.00	0.00
151	224	Ecologically valuable line of trees	0.03	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.24	0.03	0	0.24	0.00	0.00	0.00
152	225	Species-rich native hedgerow - associated with bank or ditch	0.08	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.44	0	0.08	0.00	1.44	0.00	0.00
153	226	Species-rich native hedgerow with trees - associated with bank or ditch	0.34	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	8.16	0.34	0	8.16	0.00	0.00	0.00
154	227	Species-rich native hedgerow with trees - associated with bank or ditch	0.23	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	5.52	0.23	0	5.52	0.00	0.00	0.00
155	229	Species-rich native hedgerow	0.08	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.96	0	0.08	0.00	0.96	0.00	0.00
156	230	Species-rich native hedgerow with trees	0.27	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.24	0	0.23	0.00	2.76	0.04	0.48
157	234	Species-rich native hedgerow with trees - associated with bank or ditch	0.31	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	7.44	0.23	0	5.52	0.00	0.08	1.92
158	237	Native hedgerow with trees	0.23	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.76	0.23	0	2.76	0.00	0.00	0.00
159	238	Native hedgerow	0.15	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.90	0	0.15	0.00	0.90	0.00	0.00
160	239	Native hedgerow	0.06	Low										

167	247	Native hedgerow	0.17	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.34	0	0.17	0.00	0.34	0.00	0.00
168	248	Native hedgerow with trees - associated with bank or ditch	0.39	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	4.68	0	0.33	0.00	3.96	0.06	0.72
169	250	Species-rich native hedgerow with trees	0.32	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	5.76	0.32	0	5.76	0.00	0.00	0.00
170	251	Native hedgerow	0.41	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.64	0	0.41	0.00	1.64	0.00	0.00
171	252	Native hedgerow with trees - associated with bank or ditch	0.24	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	2.88	0	0.18	0.00	2.16	0.06	0.72
172	254	Native hedgerow with trees	0.35	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	4.20	0.35	0	4.20	0.00	0.00	0.00
173	256	Native hedgerow with trees	0.33	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.32	0	0.29	0.00	1.16	0.04	0.16
174	257	Species-rich native hedgerow - associated with bank or ditch	1.83	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	32.94	0	1.83	0.00	32.94	0.00	0.00
175	258	Native hedgerow	0.17	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.68	0	0.14	0.00	0.56	0.03	0.12
176	260	Native hedgerow	0.29	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.74	0	0	0.00	0.00	0.29	1.74
177	261	Native hedgerow	0.15	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.30	0	0.15	0.00	0.30	0.00	0.00
178	262	Native hedgerow	0.13	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.52	0	0.13	0.00	0.52	0.00	0.00
179	263	Native hedgerow	0.3	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.20	0	0.3	0.00	1.20	0.00	0.00
180	264	Native hedgerow	0.14	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.56	0	0.14	0.00	0.56	0.00	0.00
181	265	Native hedgerow	0.08	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.32	0	0.08	0.00	0.32	0.00	0.00
182	266	Native hedgerow	0.35	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.70	0	0.35	0.00	0.70	0.00	0.00
183	268	Native hedgerow	0.08	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.32	0	0.08	0.00	0.32	0.00	0.00
184	270	Ecologically valuable line of trees	0.33	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.64	0.27	0	2.16	0.00	0.06	0.48
185	271	Native hedgerow	0.28	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.56	0	0.28	0.00	0.56	0.00	0.00
186	272	Native hedgerow	0.37	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.48	0	0.37	0.00	1.48	0.00	0.00
187	273	Native hedgerow	0.47	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.88	0	0.4	0.00	1.60	0.07	0.28
188	276	Native hedgerow	0.32	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.64	0	0.27	0.00	0.54	0.05	0.10
189	279	Native hedgerow	0.24	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.48	0	0.24	0.00	0.48	0.00	0.00
190	282	Native hedgerow	0.28	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.56	0	0.28	0.00	0.56	0.00	0.00
191	283	Native hedgerow	0.21	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.42	0	0.2	0.00	0.40	0.01	0.02
192	284	Native hedgerow with trees	0.04	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.32	0	0.04	0.00	0.32	0.00	0.00
193	285	Native hedgerow	0.25	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.50	0	0.23	0.00	0.46	0.02	0.04
194	286	Native hedgerow	0.16	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.32	0	0.16	0.00	0.32	0.00	0.00
195	287	Native hedgerow with trees	0.15	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.80	0.15	0	1.80	0.00	0.00	0.00
196	288	Native hedgerow with trees	0.22	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.64	0.22	0	2.64	0.00	0.00	0.00
197	296	Native hedgerow with trees	0.38	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	3.04	0	0.38	0.00	3.04	0.00	0.00
198	342	Native hedgerow with trees	0.05	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.60	0.05	0	0.60	0.00	0.00	0.00
199	343	Native hedgerow with trees	0.05	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.60	0.05	0	0.60	0.00	0.00	0.00
200	346	Native hedgerow	0.14	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.84	0	0.12	0.00	0.72	0.02	0.12
201	347	Native hedgerow with trees	0.07	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.56	0	0.06	0.00	0.48	0.01	0.08
202	348	Native hedgerow	0.2	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.20	0	0.18	0.00	1.08	0.02	0.12
203	349	Native hedgerow with trees	0.02	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.16	0	0.02	0.00	0.16	0.00	0.00
204	355	Native hedgerow	0.35	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.40	0	0.35	0.00	1.40	0.00	0.00
205	356	Native hedgerow	0.1	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.60	0	0.06	0.00	0.36	0.04	0.24
206	357	Native hedgerow - associated with bank or ditch	0.17	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.04	0	0.17	0.00	2.04	0.00	0.00
207	361	Native hedgerow	0.05	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.30	0	0.04	0.00	0.24	0.01	0.06
208	363	Native hedgerow with trees	0.13	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.56	0.13	0	1.56	0.00	0.00	0.00
209	369	Native hedgerow with trees	0.15	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.20	0	0.15	0.00	1.20	0.00	0.00
210	373	Species-rich native hedgerow with trees	0.16	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	2.88	0.16	0	2.88	0.00	0.00	0.00
211	374	Native hedgerow with trees	0.66	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	7.32	0.66	0	7.32	0.00	0.00	0.00
212	375	Native hedgerow with trees	0.22	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.64	0.22	0	2.64	0.00	0.00	0.00
213	376	Species-rich native hedgerow - associated with bank or ditch	0.09	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.62	0	0.09	0.00	1.62	0.00	0.00
214	377	Species-rich native hedgerow - associated with bank or ditch	0.22	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.96	0	0.22	0.00	3.96	0.00	0.00
215	378	Species-rich native hedgerow - associated with bank or ditch	0.14	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	2.52	0	0.14	0.00	2.52	0.00	0.00
216	385	Native hedgerow	0.11	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.44	0	0.06	0.00	0.24	0.05	0.20
217	386	Native hedgerow	0.22	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.88	0	0.22	0.00	0.88	0.00	0.00
218	387	Native hedgerow with trees	0.31	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.24	0	0.31	0.00	1.24	0.00	0.00
219	388	Native hedgerow with trees	0.3	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.40	0	0.3	0.00	2.40	0.00	0.00
220	391	Native hedgerow - associated with bank or ditch	0.07	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.56	0	0.07	0.00	0.56	0.00	0.00
221	392	Native hedgerow with trees - associated with bank or ditch	0.07	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	0.84	0	0.07	0.00	0.84	0.00	0.00
222	393	Species-rich native hedgerow with trees - associated with bank or ditch	0.2	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	4.80	0.2	0	4.80	0.00	0.00	0.00
223	394	Native hedgerow	0.04	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.24	0	0.04	0.00	0.24	0.00	0.00
224	395	Native hedgerow	0.11	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.44	0	0.11	0.00	0.44	0.00	0.00
225	397	Native hedgerow	0.24	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.44	0	0.24	0.00	1.44	0.00	0.00
226	236	Native hedgerow with trees	0.21	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.52	0.21	0	2.52	0.00	0.00	0.00
227	501	Native hedgerow	0.1	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.80	0	0.1	0.00	0.60	0.00	0.00
228	502	Native hedgerow with trees - associated with bank or ditch	0.26	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.12	0	0.25	0.00	3.00	0.01	0.12
229	503	Native hedgerow	0.14	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.56	0	0.13	0.00	0.52	0.01	0.04
230	504	Native hedgerow	0.21	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.26	0	0.2	0.00	1.20	0.01	0.06
231	505	Species-rich native hedgerow	0.14	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.68	0	0.14	0.00	1.68	0.00	0.00
232	506	Species-rich native hedgerow - associated with bank or ditch	0.17	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.06	0	0.01	0.00	0.18	0.16	2.88
233	601	Species-rich native hedgerow with trees	0.05	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	0.90	0.05	0	0.90	0.00	0.00	0.00
234	602	Species-rich native hedgerow with trees	0.13	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	2.34	0.13	0	2.34	0.00	0.00	0.00
235	603	Native hedgerow	0.12	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.72	0.12	0	0.72	0.00	0.00	0.00
236	604	Species-rich native hedgerow	0.02	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.08	0.02	0	0.08	0.00	0.00	0.00
237	605	Species-rich native hedgerow - associated with bank or ditch	0.25	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	4.50	0.25	0	4.50	0.00	0.00	0.00
238	606	Species-rich native hedgerow with trees	0.27	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.24	0.27	0	3.24	0.00	0.00	0.00
239	607	Native hedgerow with trees - associated with bank or ditch	0.02	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	0.24	0.02	0	0.24	0.00	0.00	0.00
240	608	Native hedgerow	0.01	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.04	0.01	0	0.04	0.00	0.00	0.00
241	609	Native hedgerow	0.13	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.78	0.13	0	0.78	0.00	0.00	0.00
242	610	Native hedgerow	0.02	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.12	0.02	0	0.12	0.00	0.00	0.00
243	611	Native hedgerow	0.04	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.16	0.04	0	0.16	0.00	0.00	0.00
244	612	Native hedgerow with trees	0.02	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.24	0.02	0	0.24	0.00	0.00	0.00
245	613	Native hedgerow with trees	0.11	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.32	0.11	0	1.32	0.00	0.00	0.00
246	614	Species-rich native hedgerow with trees	0.19	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	2.28	0.19	0	2.28	0.00	0.00	0.00
247	615	Species-rich native hedgerow with trees	0.11	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.98	0.11	0	1.98	0.00	0.00	0.00
248	616	Species-rich native hedgerow with trees	0.09	High	Good	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.62	0.09	0	1.62	0.00	0.00	0.00
			54.41				609.29	18.12	34.23	292.05	295.90	2.06	21.34	

Watercourses

Project Name: Rosefield Solar Farm Map			Watercourse summary													
C-1 On-Site WaterC' Baseline			Total Net Unit Change		4.02											
			Total Net % Change		12.36%											
			Trading Rules Satisfied		Yes ✓											
Condense / Show Columns			Condense / Show Rows													
Main Menu																

B. Post-development calculations

Area Habitats

Project Name: Rosefield Solar Farm Map Reference: A-2 On-Site Habitat Creation				Area habitat summary											
Condense / Show Columns Condense / Show Rows				Total Net Unit Change		978.40									
				Total Net % Change		46.63%									
Main Menu				Trading Rules Satisfied		Yes ✓									
				Area Check		Area Acceptable ✓									
Post intervention habitats															
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance		Temporal multiplier		Difficulty		Habitat units delivered	Comments		
						Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation	User comments	Planning authority comments		Habitat reference number		
1	Lakes	Ponds (non-priority habitat)	0.01	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Low	0.07		Rosefield_prop_ponds	Mitigation		142
2	Lakes	Ponds (non-priority habitat)	0.01	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Low	0.07		Rosefield_prop_ponds	Mitigation		143
3	Lakes	Ponds (non-priority habitat)	0.01	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Low	0.07		Rosefield_former_ponds_restore	Mitigation		199
4	Lakes	Ponds (non-priority habitat)	0.01	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Low	0.07		Rosefield_eng_ponds_restore	Mitigation		202
5	Lakes	Ponds (non-priority habitat)	0.02	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Low	0.14		Rosefield_eng_ponds_restore	Mitigation		203
6	Urban	Developed land, sealed surface	2.92	Y.Low	N/A - Other	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00		Rosefield_BESS			245
7	Urban	Developed land, sealed surface	4.89	Y.Low	N/A - Other	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00		Rosefield_BESS			246
8	Woodland and forest	Other woodland, broadleaved	2.68	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Check details - Is there evidence habitat creation in place? Δ	4	Low	3.30		Rosefield_consideration_early_planting	Mitigation		236
9	Woodland and forest	Other woodland, broadleaved	0.13	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Check details - Is there evidence habitat creation in place? Δ	4	Low	0.45		Rosefield_consideration_early_planting	Mitigation		237
10	Woodland and forest	Other woodland, broadleaved	0.43	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Check details - Is there evidence habitat creation in place? Δ	4	Low	1.49		Rosefield_consideration_early_planting	Mitigation		238
11	Woodland and forest	Other woodland, broadleaved	0.19	Medium	Poor	Formally identified in local strategy	Check details - Is there evidence habitat creation in place? Δ	4	Low	0.76		M1 - connect and buffer ancient woodlands Rosefield_consideration_early_planting	Mitigation		243
12	Woodland and forest	Other woodland, broadleaved	2.1	Medium	Poor	Formally identified in local strategy	Check details - Is there evidence habitat creation in place? Δ	4	Low	8.38		M1 - connect and buffer ancient woodlands Rosefield_consideration_early_planting	Mitigation		244
13	Woodland and forest	Other woodland, broadleaved	0.17	Medium	Poor	Formally identified in local strategy	Check details - Is there evidence habitat creation in place? Δ	4	Low	0.68		M1 - connect and buffer ancient woodlands Rosefield_consideration_early_planting	Mitigation		645
14	Woodland and forest	Other woodland, broadleaved	0.34	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	1.31		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		6
15	Woodland and forest	Other woodland, broadleaved	0.33	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	1.27		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		224
16	Woodland and forest	Other woodland, broadleaved	0.9	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	3.46		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		225
17	Woodland and forest	Other woodland, broadleaved	0.02	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	0.08		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		648
18	Woodland and forest	Other woodland, broadleaved	0.02	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	0.08		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		649
19	Woodland and forest	Other woodland, broadleaved	0.26	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	1.00		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		650
20	Woodland and forest	Other woodland, broadleaved	0.29	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	1.12		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		651
21	Woodland and forest	Other woodland, broadleaved	0.25	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	0.96		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		668
22	Woodland and forest	Other woodland, broadleaved	0.19	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	0.73		Rosefield_ecological_enhancement_scr_eering	Mitigation		672
23	Woodland and forest	Other woodland, broadleaved	0.04	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	0.15		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		673
24	Woodland and forest	Other woodland, broadleaved	0.16	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	5	Low	0.62		M1 - connect and buffer ancient woodlands Rosefield_ecological_enhancement_scr_eering	Mitigation		674
25	Grassland	Other neutral grassland	2.91	Medium	Good	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	24.45		Rosefield_general_species_rich_grassland 95% grassland	Mitigation		185, 186, 187, 188, 189, 191, 193, 197
26	Heathland and shrub	Mixed scrub	0.15	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	1.00		Rosefield_general_species_rich_grassland 5% scrub	Mitigation		185, 186, 187, 188, 189, 191, 193, 197
27	Grassland	Other neutral grassland	2.95	Medium	Good	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	24.79		Rosefield_general_species_rich_grassland 95% grassland	Mitigation		181, 182, 184, 190, 192, 194, 195, 196
28	Heathland and shrub	Mixed scrub	0.16	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	5	Low	1.23		M1 - buffer and connect ancient woodland Rosefield_general_species_rich_grassland 5% scrub	Mitigation		181, 182, 184, 190, 192, 194, 195, 196
29	Grassland	Other neutral grassland	0.65	Medium	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	6.28		M61 - Manage farmed floodplains less intensively to improve their value for biodiversity Rosefield_general_species_rich_grassland 95% grassland	Mitigation		198
30	Heathland and shrub	Mixed scrub	0.03	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	5	Low	0.23		M61 - Manage farmed floodplains less intensively to improve their value for biodiversity Rosefield_general_species_rich_grassland 5% scrub	Mitigation		198
31	Grassland	Other neutral grassland	9.14	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	61.19		Rosefield_hedgerow_buffer 90% grassland	Mitigation		156, 161, 163, 170, 171, 177, 179, 624, 625, 637, 638, 639, 640, 642, 652, 654, 657
32	Heathland and shrub	Mixed scrub	0.51	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	3.41		Rosefield_hedgerow_buffer 5% scrub	Mitigation		156, 161, 163, 170, 171, 177, 179, 624, 625, 637, 638, 639, 640, 642, 652, 654, 657
33	Cropland	Arable field margins game bird mix	0.51	Medium	Condition Assessment N/A	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	1.97		Rosefield_hedgerow_buffer 5% wild birdseed mix	Mitigation		156, 161, 163, 170, 171, 177, 179, 624, 625, 637, 638, 639, 640, 642, 652, 654, 657
34	Grassland	Other neutral grassland	18.09	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	121.11		Rosefield_hedgerow_buffer 90% grassland	Mitigation		158, 159, 160, 162, 163, 164, 165, 166, 167, 168, 172, 173, 174, 176, 178, 180, 641, 653, 655, 656
35	Heathland and shrub	Mixed scrub	1	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	5	Low	7.70		M1 - connect and buffer ancient woodland Rosefield_hedgerow_buffer 5% scrub	Mitigation		158, 159, 160, 162, 163, 164, 165, 166, 167, 168, 172, 173, 174, 176, 178, 180, 641, 653, 655, 656
36	Cropland	Arable field margins game bird mix	1	Medium	Condition Assessment N/A	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	3.86		Rosefield_hedgerow_buffer 5% wild birdseed mix	Mitigation		158, 159, 160, 162, 163, 164, 165, 166, 167, 168, 172, 173, 174, 176, 178, 180, 641, 653, 655, 656
37	Grassland	Other neutral grassland	0.21	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	0.78		Rosefield_key_PFIoV_buffer	Mitigation		153
38	Grassland	Other neutral grassland	2.86	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	10.65		Rosefield_key_PFIoV_buffer	Mitigation		154
39	Grassland	Other neutral grassland	1.09	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	4.06		Rosefield_key_PFIoV_buffer	Mitigation		155
40	Grassland	Other neutral grassland	0.15	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	0.56		Rosefield_key_PFIoV_buffer	Mitigation		635
41	Grassland	Other neutral grassland	2.57	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	9.57		Rosefield_key_PFIoV_buffer	Mitigation		636
42	Grassland	Other neutral grassland	1.83	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	6.82		Rosefield_mitigation_PFIoV_buffer	Mitigation		1
43	Grassland	Other neutral grassland	0.44	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	1.64		Rosefield_mitigation_PFIoV_buffer	Mitigation		3
44	Grassland	Other neutral grassland	0.36	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	1.34		Rosefield_mitigation_PFIoV_buffer	Mitigation		2
45	Grassland	Other neutral grassland	1.44	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	5.36		Rosefield_mitigation_PFIoV_buffer	Mitigation		4
46	Grassland	Other neutral grassland	0.61	Medium	Poor	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	2.27		Rosefield_mitigation_PFIoV_buffer	Mitigation		5
47	Grassland	Other neutral grassland	3.73	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	24.97		Rosefield_mitigation_corridor_for_bats 90% grassland	Mitigation		148, 149, 150
48	Heathland and shrub	Mixed scrub	0.41	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	5	Low	3.16		M1 - buffer and connect ancient woodland Rosefield_mitigation_corridor_for_bats 10% scrub	Mitigation		148, 149, 150
49	Grassland	Other neutral grassland	0.23	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	1.54		Rosefield_woodlands_buffer_for_bats 90% grassland	Mitigation		621
50	Heathland and shrub	Mixed scrub	0.03	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.20		Rosefield_woodlands_buffer_for_bats 10% scrub	Mitigation		621
51	Grassland	Other neutral grassland	12.43	Medium	Moderate	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	83.21		Rosefield_woodlands_buffer_for_bats 90% grassland	Mitigation		73, 74, 75, 76, 77, 78, 79
52	Heathland and shrub	Mixed scrub	1.38	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	5	Low	10.62		M1 - buffer and connect ancient woodland Rosefield_woodlands_buffer_for_bats 10% scrub	Mitigation		73, 74, 75, 76, 77, 78, 79
53	Urban	Developed land, sealed surface	11.57	Y.Low	N/A - Other	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00		Rosefield_main_collector			151
54	Urban	Developed land, sealed surface	5.93	Y.Low	N/A - Other	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00		Rosefield_main_collector			152
55	Grassland	Other neutral grassland	20.09	Medium	Good	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	168.82		Rosefield_mitigation_ground_nesting_birds	Mitigation		144
56	Grassland	Other neutral grassland	12.81	Medium	Good	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	107.65		Rosefield_mitigation_ground_nesting_birds	Mitigation		145
57	Grassland	Other neutral grassland	12.15	Medium	Good	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	102.10		Rosefield_mitigation_ground_nesting_birds	Mitigation		146
58	Grassland	Other neutral grassland	27.95	Medium	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	270.11		M20 - Create and buffer new species-rich grassland Rosefield_mitigation_ground_nesting_birds	Mitigation		32
59	Urban	Developed land, sealed surface	4.35	Y.Low	N/A - Other	Area of compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00		Rosefield_satellite_collector	Mitigation		138

Project Name: Rosefield Solar Farm	Map Reference:
A-3 On-Site Habitat Enhancement	

summary	
	978.40
	46.63%
	Yes ✓

Difficulty risk multipliers				Habitat units delivered	Comments		
Standard difficulty of enhancement	Applied difficulty multiplier	Final difficulty of enhancement	Difficulty multiplier applied		User comments	Planning authority comments	Habitat reference number
Medium	Standard difficulty applied	Medium	0.67	86.71	M20 - create and buffer species-rich grassland		533
Medium	Standard difficulty applied	Medium	0.67	30.60	M20 - create and buffer species-rich grassland		544
				117.32			

Application Document Ref: EN010158/APP/6.4.4
Planning Inspectorate Scheme Ref: EN010158

Project Name: Rosefield Solar Farm Map Reference: B-3 On-Site Hedge Enhancement		Hedge row summary											
		Total Net Unit Change		295.58									
		Total Net % Change		33.74%									
		Trading Rules Satisfied		Yes ✓									
Condense / Show Columns		Condense / Show Rows											
Main Menu													
Baseline Habitats		Post intervention habitats										Hedge units delivered	User comments
Baseline ref	Baseline habitat	Proposed habitat	Change in distinctiveness and condition		Length (km)	Distinctiveness ss	Condition n	Strategic significance	Temporal multiplier	Difficulty risk multipliers			
			Distinctiveness movement	Condition movement		Distinctiveness ss	Condition n		Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of enhancement		
1	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Moderate	0.18	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	1.12	
2	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.39	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	3.74	
3	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.05	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	0.48	
4	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.05	Medium	Good	Formally identified in local strategy	Standard time to target condition applied	4	Low	0.88	
5	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Moderate	0.14	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	Low	1.00	
6	Native hedgerow - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	Medium - High	Lower Distinctiveness Habitat - Good	0.11	High	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	2.05	
9	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.04	Medium	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	0.47	
10	Native hedgerow - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	Medium - High	Lower Distinctiveness Habitat - Good	0.12	High	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	2.24	
11	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Moderate - Good	0.04	High	Good	Formally identified in local strategy	Standard time to target condition applied	4	Low	0.79	
13	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Moderate - Good	0.29	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	4.82	
14	Native hedgerow - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	Medium - High	Lower Distinctiveness Habitat - Good	0.38	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	6.16	
15	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Poor - Moderate	0.09	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	6	Low	0.98	
16	Species-rich native hedgerow with trees - associated with bank or ditch	Species-rich native hedgerow with trees - associated with bank or ditch	V.High - V.High	Moderate - Good	0.31	V.High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	7.11	
20	Species-rich native hedgerow - associated with bank or ditch	Species-rich native hedgerow with trees - associated with bank or ditch	High - V.High	Lower Distinctiveness Habitat - Good	0.41	V.High	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	10.47	
21	Native hedgerow - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	Medium - High	Lower Distinctiveness Habitat - Good	0.11	High	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	2.05	
22	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Moderate - Good	0.29	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	4.82	
25	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.19	Medium	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	2.23	
26	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.05	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	0.51	
29	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.18	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	2.08	
30	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Moderate - Good	0.46	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	7.91	
33	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.42	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	4.03	
34	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Moderate - Good	0.25	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	4.30	
35	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.13	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	1.49	
36	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.16	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	1.83	
37	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.26	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	2.98	
38	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.14	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	1.34	
39	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Moderate - Good	0.36	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	6.19	
40	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Poor - Moderate	0.18	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	6	Low	1.95	
41	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.18	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	2.06	
42	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.18	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	2.06	
43	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Moderate - Good	0.3	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	5.16	
44	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Poor - Moderate	0.19	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	6	Low	2.06	
45	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.11	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	1.06	
46	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.16	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	1.54	
47	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.5	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	5.73	
48	Native hedgerow with trees - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	High - High	Moderate - Good	0.32	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	5.50	
49	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.22	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	2.52	
50	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.18	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	2.06	
51	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.16	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	1.54	
52	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.14	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	1.61	
53	Native hedgerow with trees	Native hedgerow with trees	Medium - Medium	Moderate - Good	0.22	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	2.52	
54	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Good	0.21	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	2.02	

Application Document Ref: EN010158/APP/6.4.4
Planning Inspectorate Scheme Ref: EN010158

Application Document Ref: EN010158/APP/6.4.4
Planning Inspectorate Scheme Ref: EN010158

Watercourses

Project Name: Rosefield Solar Farm Map Reference:

C-2 On-Site WaterC' Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Watercourse summary

Total Net Unit Change4.02

Total Net % Change12.36%

Trading Rules SatisfiedYes ✓

	Proposed habitats		Distinctiveness	Condition	Strategic significance	Temporal multiplier		Difficulty multipliers	Watercourse encroachment	Riparian encroachment	Watercourse units delivered	Comments	
Ref	Watercourse type	Length (km)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation	Extent of encroachment	Extent of encroachment for both banks		User comments	Planning
1	Other rivers and streams	0.0056	High	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	High	No Encroachment	Major/Major	0.01	Claydon Brook under proposed clearspan bridge	
2	Other rivers and streams	0.0078	High	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	High	Major	Major/Major	0.01	Claydon Brook, six proposed outfall pipes with headwalls at approx 1.3m each	
3													
4													
5													
		0.01									0.02		

Name: Rosefield Solar Farm Map Refe				Watercourse summary												
C-3 On-Site WaterC' Enhancement				Total Net Unit Change		4.02										
				Total Net % Change		12.36%										
				Trading Rules Satisfied		Yes ✓										
Condense / Show Columns				Condense /												
Main Menu																
				Post intervention habitats												
Baseline habitats		Proposed habitat	Change in distinctiveness and condition		Length (km)	Habitat distinctiveness	Habitat condition	Strategic significance	Temporal multiplier		Difficulty multipliers		Watercourse encroachment	Riparian encroachment	Watercours e units delivered	User comments
Baseline ref	Baseline habitat		Distinctiveness movement	Condition movement					Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of enhancemen t	Extent of encroachmen t				
3	Ditches	Ditches	Medium - Medium	Poor - Poor	0.14	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	No Encroachment	No Encroachment	0.66	Taking land out of agricultural use and adding 10m buffer will remove encroachment	
4	Ditches	Ditches	Medium - Medium	Good - Good	0.22	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	No Encroachment	No Encroachment	2.64	Taking land out of agricultural use and adding 10m buffer will remove encroachment	
5	Ditches	Ditches	Medium - Medium	Good - Good	0.06	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	No Encroachment	Major/No Encroachment	0.63	Taking land out of agricultural use and adding 10m buffer will remove encroachment	
9	Other rivers and streams	Other rivers and streams	High - High	Moderate - Moderate	0.07	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Medium	No Encroachment	No Encroachment	0.84	Claydon Brook - Taking land out of agricultural use and adding 10m buffer will remove encroachment	
10	Other rivers and streams	Other rivers and streams	High - High	Fairly Poor - Fairly Poor	2.26	High	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Medium	No Encroachment	Major/No Encroachment	17.70	Claydon Brook - Taking land out of agricultural use and adding 10m buffer will remove encroachment	
11	Other rivers and streams	Other rivers and streams	High - High	Fairly Poor - Fairly Poor	0.53	High	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Medium	No Encroachment	Major/No Encroachment	4.15	Claydon Brook - Taking land out of agricultural use and adding 10m buffer will remove encroachment	
					3.28											26.51

C. Summary results

Rosefield Solar Farm

Headline Results

Scroll down for final results ⚠

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On-site baseline	Area habitat units	2098.33	
	Hedgerow units	609.29	
	Watercourse units	32.56	
On-site post-intervention (Including habitat retention, creation & enhancement)	Area habitat units	3076.73	
	Hedgerow units	814.87	
	Watercourse units	36.58	
On-site net change (units & percentage)	Area habitat units	978.40	46.63%
	Hedgerow units	205.58	33.74%
	Watercourse units	4.02	12.36%
Off-site baseline	Area habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention (Including habitat retention, creation & enhancement)	Area habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change (units & percentage)	Area habitat units	0.00	0.00%
	Hedgerow units	0.00	0.00%
	Watercourse units	0.00	0.00%
Combined net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	978.40	
	Hedgerow units	205.58	
	Watercourse units	4.02	
Spatial risk multiplier (SRM) deductions	Area habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

FINAL RESULTS

Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	978.40
	Hedgerow units	205.58
	Watercourse units	4.02
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	46.63%
	Hedgerow units	33.74%
	Watercourse units	12.36%
Trading rules satisfied?	Yes ✓	

Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Area habitat units	10.00%	2098.33	2308.16	0.00	No additional area habitat units required to meet target ✓
Hedgerow units	10.00%	609.29	670.22	0.00	No additional hedgerow units required to meet target ✓
Watercourse units	10.00%	32.56	35.82	0.00	No additional watercourse units required to meet target ✓

Annex B – Pre- development habitat condition survey results



Poor	Condition
Poor	
Poor	
Good	
Poor	
Poor	
Good	
Good	
Poor	
Poor	
Poor	
Poor	
Poor	
Poor	
Poor	
Poor	
Poor	
Poor	
Poor	
Moderate	
Poor	
Poor	
Poor	
Poor	
Good	
Good	
Good	
Poor	
Poor	
Poor	
Poor	
Poor	

Table 14: Medium, high and very high distinctiveness grasslands Part 1

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat type – Other neutral grassland

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

- A- 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 Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only.
- B- Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.
- C- Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens.
- D- Cover of bracken *Pteridium aquilinum* is less than 20% and cover of scrub (including bramble *Rubus fruticosus* agg.) is less than 5%.
- E- Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area.
- F- There are 10 or more vascular plant species per m² present, including forbs that are characteristic of the habitat type Note - this criterion is essential for achieving Good condition for non-acid grassland types only.

Condition Assessment Criteria	Habitat reference number																													
	1	3	13	14	15	16	17	18	19	21	46	48	50	51	52	53	67	71	72	73	74	83	87	96	100	101	102	103	104	110
A	X	X											X	X		X		X	X				X	X	X	X	X	X		X
B												X	X	X		X		X	X		X			X					X	
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		X	X	X	X		X
D	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		
E	X	X	X	X	X	X	X	X	X	X		X	X	X		X		X	X	X		X	X	X	X	X	X	X		
F																														X
Condition	Moderate	Moderate	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Moderate	Moderate	Poor	Moderate	Poor	Moderate	Moderate	Poor	Poor	Poor	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Moderate

Table 15: Medium, high and very high distinctiveness grasslands Part 2

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat type – Other neutral grassland

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

- A- -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 Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only.
- B- B- Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.
- C- Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens.
- D- Cover of bracken *Pteridium aquilinum* is less than 20% and cover of scrub (including bramble *Rubus fruticosus* agg.) is less than 5%.
- E- Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area.
- F- There are 10 or more vascular plant species per m² present, including forbs that are characteristic of the habitat type Note - this criterion is essential for achieving Good condition for non-acid grassland types only.

Condition Assessment Criteria	Habitat reference number																														
	112	113	114	115	118	122	125	126	130	432	435	452	463	466	470	486	492	493	500	507	508	511	520	522	523	529	533	542	544	545	561
A	X				X	X	X	X	X	X		X		X	X	X	X	X	X			X	X	X	X	X	X	X	X		X
B		X	X	X						X	X	X		X	X		X	X	X	X	X		X				X	X	X	X	X
C	X	X	X	X	X	X	X	X	X		X				X					X	X		X	X	X	X	X		X	X	X
D				X							X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
E			X	X	X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X
F	X				X	X	X	X	X																			X			
Condition	Moderate	Poor	Poor	Poor	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Moderate	Poor	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Poor	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Moderate

Table 16: Medium, high and very high distinctiveness grasslands Part 3

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1							
Habitat type – Other neutral grassland							
Date of survey							
02/09/2025							
Condition Assessment Criteria							
A- -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 Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only.							
B- B- Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.							
C- Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens.							
D- Cover of bracken Pteridium aquilinum is less than 20% and cover of scrub (including bramble <i>Rubus fruticosus</i> agg.) is less than 5%.							
E- Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area.							
F- There are 10 or more vascular plant species per m ² present, including forbs that are characteristic of the habitat type Note - this criterion is essential for achieving Good condition for non-acid grassland types only.							
Condition Assessment Criteria	Habitat reference number						
	801	802	803	804	805	806	807
A		X			X		
B							
C	X	X	X	X	X		
D	X	X	X	X	X	X	X
E		X	X				
F							
Condition	Poor	Moderate	Poor	Poor	Moderate	Poor	Poor

Table 17: Pond habitats

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat type – Pond (non – priority) and Pond (priority)

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria	Habitat reference number																		
	25	434	436	464	494	513	514	517	518	774	85	430	773	775	776	777	779	780	781
A The pond is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution. Turbidity is acceptable if the pond is grazed by livestock.		X	X					X			X	X	X	X					X
B There is semi-natural habitat (moderate distinctiveness or above) completely surrounding the pond, for at least 10m from the pond edge for its entire perimeter.		X	X	X	X		X	X	X		X	X			X	X			
C Less than 10% of the water surface is covered with duckweed Lemna spp. or filamentous algae.	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	
D The pond is not artificially connected to other waterbodies, such as agricultural ditches or artificial pipework		X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X
E Pond water levels can fluctuate naturally throughout the year. No obvious artificial dams, pumps or pipework.		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
F There is an absence of listed non-native plant and animal species.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
G The pond is not artificially stocked with fish. If the pond naturally contains fish, it is a native fish assemblage at low densities.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
H Emergent, submerged or floating plants (excluding duckweed) cover at least 50% of the pond area which is less than 3m deep.			N/A							X	X		X	X	X	N/A		X	X
I The pond surface is no more than 50% shaded by adjacent trees and scrub.	X		N/A													N/A			X
Condition	Poor	Moderate	Good	Poor	Poor	Poor	Moderate	Moderate	Poor	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Moderate	Moderate

Table 18: Scrub habitats

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat type – Mixed scrub

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria	Habitat reference number						
	78	89	438	439	448	506	537
A 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). - At least 80% of scrub is native, - There are at least three native woody species, - No single species comprises more than 75% of the cover (except hazel <i>Corylus avellana</i> , common juniper <i>Juniperus communis</i> , sea buckthorn <i>Hippophae rhamnoides</i> (only in its restricted native range), or box <i>Buxus sempervirens</i> , which can be up to 100% cover).	X			X		X	X
B Seedlings, saplings, young shrubs and mature (or ancient or veteran) shrubs are all present.		X	X	X		X	
C There is an absence of invasive non-native plant species (as listed on Schedule 9 of WCA) and species indicative of suboptimal condition make up less than 5% of ground cover.	X	X	X	X	X	X	X
D The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.	X	X	X	X		X	
E There are clearings, glades or rides present within the scrub, providing sheltered edges.		X				X	X
Condition	Moderate	Moderate	Moderate	Moderate	Poor	Good	Moderate

Table 19: Wetland habitats

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1	
Habitat type - Reedbeds	
Date of survey	
June 2023, July 2023, October 2023, January 2024, May 2024, April 2024	
Condition Assessment Criteria	Habitat reference number
	81
A The water table is at, or near the surface throughout the year - this could be open water or saturation of soil at the surface. There is no artificial drainage, unless specifically to maintain water levels as specified above. Note - this criterion is essential for achieving Good condition."	X
B The parcel represents a good example of its specific habitat type - the appearance and composition of the vegetation closely matches its UKHab description, with vascular and non-vascular characteristic indicator species consistently present.	
C The water supplies (groundwater, surface water and or rainwater) to the wetland are of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution.	
D Cover of scrub and scattered trees are less than 10%.	X
E Cover of bare ground is less than 5%.	
F There is an absence of invasive non-native plant species (as listed on Schedule 9 of WCA) and species indicative of suboptimal condition make up less than 5% of ground cover.	X
G No more than 25% of the habitat area has a continuous cover of litter (such as dead vegetation) preventing regeneration.	
H Sphagnum moss <i>Sphagnum</i> spp. and cottongrasses <i>Eriophorum</i> spp. are at least Frequent. Cover of ericaceous dwarf shrubs6 is less than 75%.	
I The reedbed has a diverse structure with between 60% and 80% reeds <i>Phragmites australis</i> . Other areas may include open water (at least 10%), species-rich fen and or wet woodland.	
Condition	Poor

Table 20: Woodland habitats Part 1

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types – Lowland mixed deciduous woodland, other woodland; broadleaved

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria				Habitat reference number																		
				24	437	451	495	548	550	2	54	65	66	79	80	90	98	105	121	132	252	424
A	Three age-classes present.	Two age-classes present.	One age-class present.	2	1	2	2	2	2	3	1	3	2	2	2	2	2	1	1	1	2	2
B	No significant browsing damage evident in woodland	Evidence of significant browsing pressure is present in less than 40% of whole woodland.	Evidence of significant browsing pressure is present in 40% or more of whole woodland.	3	3	3	3	3	3	2	3	2	3	2	2	3	3	3	3	3	2	3
C	No invasive species present in woodland.	Rhododendron <i>Rhododendron ponticum</i> or cherry laurel <i>Prunus laurocerasus</i> not present, and other invasive species <10% cover.	Rhododendron or cherry laurel present, or other invasive species ≥10% cover.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
D	Five or more native tree or shrub species found across woodland parcel.	Three to four native tree or shrub species found across woodland parcel.	Two or less native tree or shrub species across woodland parcel.	3	3	3	2	2	2	3	3	2	2	3	3	2	2	3	3	3	3	2
E	>80% of canopy trees and >80% of understory shrubs are native	50 - 80% of canopy trees and 50 - 80% of understory shrubs are native	<50% of canopy trees and <50% of understory shrubs are native	3	3	3	2	3	3	3	3	3	3	3	3	3	3	1	1	1	3	3
F	10 - 20% of woodland has areas of temporary open space. Unless woodland is <10ha, in which case 0 - 20% temporary open space is permitted."	21 - 40% of woodland has areas of temporary open space	<10% or >40% of woodland has areas of temporary open space. But if woodland <10ha has <10% temporary open space, please see Good category."	1	3	3	3	2	3	3	1	1	1	3	3	3	2	2	2	2	3	3

Condition Assessment Criteria				Habitat reference number																		
				24	437	451	495	548	550	2	54	65	66	79	80	90	98	105	121	132	252	424
G	All three classes present in woodland; trees 4 - 7 cm Diameter at Breast Height (DBH), saplings and seedlings or advanced coppice regrowth.	One or two classes only present in woodland.	No classes or coppice regrowth present in woodland.	2	2	2	2	1	2	2	1	2	1	2	2	1	2	1	1	1	2	1
H	Tree mortality 10% or less, no pests or diseases and no crown dieback.	11% to 25% tree 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	3	3	3	3	3	3	3	2	2	3	2	2	2	2	3	3	3	3	3
I	Recognisable NVC plant community at ground layer present, strongly characterised by ancient woodland flora specialists.	Recognisable woodland NVC plant community at ground layer present.	No recognisable woodland NVC plant community at ground layer present.	3	1	1	1	1	1	2	1	1	1	1	1	2	2	1	1	1	1	1
J	Three or more storeys across all survey plots, or a complex woodland.	Two storeys across all survey plots	One or less storey across all survey plots	2	2	2	3	2	2	3	2	2	2	3	3	3	2	2	1	2	2	2
K	Two or more veteran trees per hectare.	One veteran tree per hectare.	No veteran trees present in woodland.	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
L	50% of all survey plots within the woodland parcel have deadwood, such as standing and fallen deadwood, large dead branches and or stems, branch stubs and stumps, or an abundance of small cavities.	Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing and fallen deadwood, large dead branches and or stems, 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 and fallen deadwood, large dead branches and or stems, stubs and stumps, or an abundance of small cavities ¹	2	1	1	1	3	1	2	1	1	1	1	1	2	2	2	1	2	1	1
M	No nutrient enrichment or damaged ground evident	Less than 1 hectare in total of nutrient enrichment across woodland area, and	1 hectare or more of nutrient enrichment, and or 20% or more of	1	3	3	3	3	2	1	3	3	1	1	1	1	1	2	3	2	2	3

Condition Assessment Criteria			Habitat reference number																		
			24	437	451	495	548	550	2	54	65	66	79	80	90	98	105	121	132	252	424
	or less than 20% of woodland area has damaged ground	woodland area has damaged ground																			
Total			29	29	30	29	29	28	32	25	26	24	27	27	28	27	26	24	25	28	28
Condition			Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Moderate	Poor	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Poor	Moderate	Moderate

Table 21: Woodland habitats Part 2

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types –other woodland; broadleaved and other woodland; mixed

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria				Habitat reference number																	
				429	433	440	446	447	462	465	467	509	512	527	562	783	785	790	88	109	538
A	Three age-classes present.	Two age-classes present.	One age-class present.	1	2	2	1	2	2	2	2	1	2	1	3	1	1	2	1	1	3
B	No significant browsing damage evident in woodland	Evidence of significant browsing pressure is present in less than 40% of whole woodland.	Evidence of significant browsing pressure is present in 40% or more of whole woodland.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
C	No invasive species present in woodland.	Rhododendron <i>Rhododendron ponticum</i> or cherry laurel <i>Prunus laurocerasus</i> not present, and other invasive species <10% cover.	Rhododendron or cherry laurel present, or other invasive species ≥10% cover.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
D	Five or more native tree or shrub species found across woodland parcel.	Three to four native tree or shrub species found across woodland parcel.	Two or less native tree or shrub species across woodland parcel.	2	3	3	3	3	3	3	3	1	2	3	2	1	1	3	1	3	2
E	>80% of canopy trees and >80% of understory shrubs are native	50 - 80% of canopy trees and 50 - 80% of understory shrubs are native	<50% of canopy trees and <50% of understory shrubs are native	3	2	3	3	3	3	3	3	3	3	2	3	1	3	3	1	3	3
F	10 - 20% of woodland has areas of temporary open space. Unless woodland is <10ha, in which case 0 - 20% temporary open space is permitted."	21 - 40% of woodland has areas of temporary open space	<10% or >40% of woodland has areas of temporary open space. But if woodland <10ha has <10% temporary open space, please see Good category."	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3

Condition Assessment Criteria				Habitat reference number																	
				429	433	440	446	447	462	465	467	509	512	527	562	783	785	790	88	109	538
G	All three classes present in woodland; trees 4 - 7 cm Diameter at Breast Height (DBH), saplings and seedlings or advanced coppice regrowth.	One or two classes only present in woodland.	No classes or coppice regrowth present in woodland.	1	2	2	1	2	2	2	2	1	1	1	3	2	2	3	1	1	2
H	Tree mortality 10% or less, no pests or diseases and no crown dieback.	11% to 25% tree 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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
I	Recognisable NVC plant community at ground layer present, strongly characterised by ancient woodland flora specialists.	Recognisable woodland NVC plant community at ground layer present.	No recognisable woodland NVC plant community at ground layer present.	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1
J	Three or more storeys across all survey plots, or a complex woodland.	Two storeys across all survey plots	One or less storey across all survey plots	2	2	2	2	2	2	3	3	1	2	1	3	2	1	3	1	1	3
K	Two or more veteran trees per hectare.	One veteran tree per hectare.	No veteran trees present in woodland.	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	3
L	50% of all survey plots within the woodland parcel have deadwood, such as standing and fallen deadwood, large dead branches and or stems, branch stubs and stumps, or an abundance of small cavities.	Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing and fallen deadwood, large dead branches and or stems, 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 and fallen deadwood, large dead branches and or stems, stubs and stumps, or an abundance of small cavities ¹	1	1	1	1	1	1	1	1	3	1	1	3	2	3	3	1	1	1
M	No nutrient enrichment or damaged ground evident	Less than 1 hectare in total of nutrient enrichment across woodland area, and or less than 20% of	1 hectare or more of nutrient enrichment, and or 20% or more of woodland area has damaged ground	3	3	3	2	3	3	2	3	1	2	3	3	2	3	3	3	3	2

Condition Assessment Criteria		Habitat reference number																	
		429	433	440	446	447	462	465	467	509	512	527	562	783	785	790	88	109	538
woodland area has damaged ground																			
Total		27	29	30	27	30	30	30	31	25	27	27	36	26	28	34	21	27	29
Condition		Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Moderate	Moderate	Good	Moderate	Moderate	Good	Poor	Moderate	Moderate

Table 22: Individual tree habitats

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1																															
Habitat type – Rural tree																															
Date of survey																															
June 2023, July 2023, October 2023, January 2024, May 2024, April 2024																															
Condition Assessment Criteria																															
A- The tree is a native species (or at least 70% within the block are native species).																															
B- The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide (individual trees automatically pass this criterion).																															
C- The tree is mature (or more than 50% within the block are mature).																															
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.																															
E- Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.																															
F- More than 20% of the tree canopy area is oversailing vegetation beneath.																															
Condition Assessment Criteria	Habitat reference number																														
	T001	T002	T004	T005	T006	T007	T008	T009	T010	T011	T012	T013	T014	T015	T016	T017	T018	T019	T020	T021	T045	T051	T052	T069	T070	T094	T095	T096	T097	T098	
A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
B	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	N	Y	Y	N	N	Y	Y	
C	Y	Y	N	Y	N	Y	Y	Y	N	Y	Y	N	Y	N	N	N	N	Y	N	N	Y	Y	N	N	N	N	N	N	Y	Y	
D	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	Y	Y	N	Y	N	N	N	Y	Y	
E	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	N	Y	
F	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Condition		Good	Good	Good	Good	Moderate	Good	Good	Good	Moderate	Good	Good	Good	Good	Moderate	Good	Good	Good	Good	Poor	Moderate	Moderate	Good	Poor	Moderate	Poor	Good	Moderate	Moderate	Moderate	Good

Table 23: Individual trees part 2

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat type – Rural tree

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

- A- The tree is a native species (or at least 70% within the block are native species).
- B- The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide (individual trees automatically pass this criterion).
- C- The tree is mature (or more than 50% within the block are mature).
- 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.
- E- Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.
- F- More than 20% of the tree canopy area is oversailing vegetation beneath.

Condition Assessment Criteria	Habitat reference number																													
	T099	T100	T146	T152	T154	T155	T156	T157	T158	T159	T161	T162	T163	T164	T165	T166	T187	T189	T190	T191	T192	T193	T194	T195	T196	T197	T198	T199	T200	T201
A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
B	N	N	Y	Y	Y	Y	N	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
C	Y	Y	N	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	Y	Y	N	N	Y	N	Y	Y	Y	Y	N
D	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	Y	N	Y
E	Y	Y	Y	Y	N	N	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y
F	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Condition	Moderate	Moderate	Good	Good	Good	Good	Moderate	Good	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good	Good	Moderate	Moderate	Good	Good	Moderate	Good	Good	Moderate	Good	Good	Good	Good	Good

Table 24: Individual trees part 3

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat type – Rural tree

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

- A- The tree is a native species (or at least 70% within the block are native species).
- B- The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide (individual trees automatically pass this criterion).
- C- The tree is mature (or more than 50% within the block are mature).
- 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.
- E- Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.
- F- More than 20% of the tree canopy area is oversailing vegetation beneath.

Condition Assessment Criteria	Habitat reference number																													
	T202	T203	T204	T205	T206	T207	T208	T209	T210	T211	T212	T214	T215	T216	T217	T218	T219	T220	T221	T222	T223	T225	T244	T245	T246	T247	T248	T249	T250	T251
A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
B	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y
C	Y	N	Y	N	N	Y	Y	N	Y	Y	N	N	N	N	Y	N	Y	Y	N	N	Y	N	N	N	N	N	Y	N	N	N
D	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	N	Y	N	N	N	Y	Y	Y	Y	Y
E	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	N	Y	Y	Y	N	Y	Y	N	N	Y	N	N	N	N	N	Y	Y	Y	N
F	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Condition	Good	Moderate	Poor	Moderate	Moderate	Good	Good	Moderate	Good	Good	Moderate	Moderate	Good	Good	Good	Moderate	Good	Good	Moderate	Moderate	Good	Moderate	Moderate	Moderate	Moderate	Moderate	Good	Moderate	Moderate	Moderate

Table 25: Individual trees Part 4

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat type – Rural tree

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

- A- The tree is a native species (or at least 70% within the block are native species).
- B- The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide (individual trees automatically pass this criterion).
- C- The tree is mature (or more than 50% within the block are mature).
- 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.
- E- Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.
- F- More than 20% of the tree canopy area is oversailing vegetation beneath.

Condition Assessment Criteria	Habitat reference number																													
	T252	T257	T260	T261	T262	T263	T264	T265	T266	T267	T268	T269	T270	T271	T272	T273	T274	T275	T276	T277	T278	T279	T280	T281	T282	T283	T284	T285	T286	T287
A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y
B	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
C	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
D	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y
E	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y
F	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N
Condition	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Good	Moderate	Good	Good	Good	Moderate	Poor	Good	Good	Good	Moderate	Moderate	Moderate	Good	Good	Good	Good

Table 26: Individual trees Part 5

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1																																
Habitat type – Rural tree																																
Date of survey																																
June 2023, July 2023, October 2023, January 2024, May 2024, April 2024																																
Condition Assessment Criteria																																
A- The tree is a native species (or at least 70% within the block are native species).																																
B- The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide (individual trees automatically pass this criterion).																																
C- The tree is mature (or more than 50% within the block are mature).																																
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.																																
E- Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.																																
F- More than 20% of the tree canopy area is oversailing vegetation beneath.																																
Condition Assessment Criteria	Habitat reference number																															
	T288	T289	T290	T291	T292	T293	T294	T295	T296	T297	T298	T299	T300	T301	T302	T303	T304	T305	T306	T307	T308	T309	T310	T311	T312	T313	T314	T315	T316	T317		
A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
B	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
C	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	
D	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	
E	Y	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
F	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Condition	Good	Good	Good	Good	Good	Good	Good	Good	Moderate	Moderate	Poor	Good	Good	Moderate	Moderate	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Moderate	Good	Good	Good	

Table 27: Individual trees Part 6

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat type – Rural tree

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

- A- The tree is a native species (or at least 70% within the block are native species).
- B- The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide (individual trees automatically pass this criterion).
- C- The tree is mature (or more than 50% within the block are mature).
- 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.
- E- Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.
- F- More than 20% of the tree canopy area is oversailing vegetation beneath.

Condition Assessment Criteria	Habitat reference number																	
	T318	T319	T320	T321	T322	T323	T324	T325	T326	T327	T328	T329	T330	T331	T332	T333	T334	T335
A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
B	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
C	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	N	Y
D	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
E	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y
F	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y
Condition	Good	Good	Good	Good	Good	Good	Good	Good	Moderate	Good	Moderate	Good	Good	Good	Good	Good	Good	Good

Table 28: Line of trees habitat

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1										
Habitat types – Line of trees, Line of trees (ecologically valuable)										
Date of survey										
June 2023, July 2023, October 2023, January 2024, May 2024, April 2024										
Condition Assessment Criteria	Habitat reference number									
	15	33	35	36	64	221	222	223	224	270
A At least 70% of trees are native species.	X	X	X	X		X	X	X	X	X
B Tree canopy is predominantly continuous with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide.		X	X	X	X	X	X	X	X	X
C One or more trees has veteran features and or natural ecological niches for vertebrates and invertebrates, such as presence of standing and attached deadwood, cavities, ivy or loose bark.		X							X	X
D There is an undisturbed naturally-vegetated strip of at least 6m on both sides to protect the line of trees from farming and other human activities (excluding grazing). Where veteran trees are present, root protection areas should follow standing advice.							X			
E At least 95% of the trees are in a healthy condition (deadwood or veteran features valuable for wildlife are excluded from this). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.	X	X	X	X	X	X	X	X	X	X
Condition	Poor	Moderate	Moderate	Moderate	Poor	Moderate	Moderate	Moderate	Moderate	Moderate

Table 29: Hedgerow habitats Part 1

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types – native hedgerow, native hedgerow with trees, native hedgerow – associated with bank or ditch, native hedgerow with trees – associated with bank or ditch, Species-rich native hedgerow with trees - associated with bank or ditch, species-rich native hedgerow - associated with bank or ditch

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

A1 - 1.5m average along length

A2 - >1.5m average along length

B1 - Gap between ground and base of canopy <0.5m for >90% of length

B2 - Gaps make up <10% of total length; and

C1 - >1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:

C2 - Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.

D1 - >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.

D2 - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.

Condition Assessment Criteria	Habitat reference number																													
	1	2	4	6	7	12	13	17	37	38	42	43	67	78	92	95	100	103	104	111	116	121	125	126	129	133	135	137	138	141
A1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X		X	X	X	X	X	X	X	X	X
A2	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B1					X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X		X	X	X	X	
B2			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X
C1			X		X	X	X	X	X	X	X	X													X	X	X	X	X	
C2		X		X	X	X	X	X	X		X	X													X		X	X	X	
D1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D2			X		X	X	X	X	X	X	X	X						X	X		X				X	X	X	X	X	X
Condition	Poor	Moderate	Moderate	Poor	Good	Good	Good	Good	Good	Good	Good	Good	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good	Moderate

Table 30: Hedgerows Part 2

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types – native hedgerow, native hedgerow – associated with bank or ditch, Species-rich native hedgerow - associated with bank or ditch, Species-rich native hedge

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

A1 - 1.5m average along length

A2 - >1.5m average along length

B1 - Gap between ground and base of canopy <0.5m for >90% of length

B2 - Gaps make up <10% of total length; and

C1 - >1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:

C2 - Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.

D1 - >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.

D2 - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.

Condition Assessment Criteria	Habitat reference number																													
	143	146	147	148	150	154	156	166	172	173	177	178	183	184	186	190	192	197	205	206	209	210	213	214	219	225	229	238	239	240
A1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
A2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
B1	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X		X
B2		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X			X		X	X		X	X	X	X	X	X
C1			X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
C2			X		X	X	X		X	X	X	X	X		X	X				X	X		X	X	X	X	X	X		X
D1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Condition	Moderate	Moderate	Good	Good	Good	Good	Good	Moderate	Good	Good	Good	Good	Good	Good	Good	Good	Good	Moderate	Moderate	Good	Good	Good	Good	Moderate	Good	Good	Good	Good	Good	Good

Table 31: Hedgerows Part 3

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types – native hedgerow, native hedgerow – associated with bank or ditch, Species-rich native hedgerow - associated with bank or ditch, Species-rich native hedge

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

A1 - 1.5m average along length

A2 - >1.5m average along length

B1 - Gap between ground and base of canopy <0.5m for >90% of length

B2 - Gaps make up <10% of total length; and

C1 - >1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:

C2 - Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.

D1 - >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.

D2 - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.

Condition Assessment Criteria	Habitat reference number																												
	241	245	246	247	251	257	258	260	261	262	263	264	265	266	268	271	272	273	276	279	282	283	285	286	346	348	355	356	357
A1	X			X	X	X	X	X					X		X	X	X	X	X	X		X	X	X	X	X		X	X
A2	X					X				X			X		X	X	X	X							X	X	X	X	X
B1	X	X	X		X	X		X	X		X	X	X	X				X	X	X			X		X	X	X	X	X
B2	X	X		X			X	X	X	X	X	X	X	X	X	X	X				X	X	X		X	X	X	X	X
C1		X			X	X		X		X	X	X			X						X	X			X	X		X	X
C2	X	X				X	X	X		X	X	X	X												X	X		X	
D1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D2	X	X			X	X	X	X		X	X	X		X			X	X	X	X	X	X	X	X	X	X		X	X
Condition	Good	Moderate	Poor	Poor	Moderate	Good	Moderate	Good	Poor	Moderate	Moderate	Poor	Moderate	Poor	Moderate	Poor	Moderate	Moderate	Poor	Poor	Poor	Poor	Poor	Poor	Good	Good	Moderate	Good	Good

Table 32: Hedgerows Part 4

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types – native hedgerow, native hedgerow – associated with bank or ditch, Species-rich native hedgerow - associated with bank or ditch, Species-rich native hedge, Native hedgerow with trees, Native hedgerow with trees - associated with bank or ditch, Species-rich native hedgerow with trees - associated with bank or ditch

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

A1 - 1.5m average along length

A2 - >1.5m average along length

B1 - Gap between ground and base of canopy <0.5m for >90% of length

B2 - Gaps make up <10% of total length; and

C1 - >1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:

C2 - Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.

D1 - >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.

D2 - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.

E1 - There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient8), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.

E2 - At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.

Condition Assessment Criteria	Habitat reference number																															
	361	376	377	378	385	386	391	394	395	397	501	503	504	505	5	10	11	14	16	18	19	39	40	41	44	45	52	60	65	69	72	76
A1	X	X	X	X				X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
A2	X	X	X	X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B1	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
B2	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X
C1	X		X	X		X	X	X	X		X		X	X	X	X	X	X	X			X	X	X	X	X			X			
C2		X	X	X	X			X	X	X	X		X	X	X	X	X	X	X			X	X	X	X	X						
D1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Condition Assessment Criteria	Habitat reference number																																
	361	376	377	378	385	386	391	394	395	397	501	503	504	505	5	10	11	14	16	18	19	39	40	41	44	45	52	60	65	69	72	76	
D2	X	X	X	X					X	X	X	X	X	X		X	X	X	X				X	X	X	X	X		X		X		
E1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A												X		X		X	X	X	
E2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	X	X	X					X		X	X	X	X		X	X	X	X	X
Condition	Good	Good	Good	Good	Moderate	Moderate	Moderate	Good	Moderate	Good	Good	Moderate	Good	Good	Moderate	Good	Good	Moderate	Moderate	Poor	Moderate	Moderate	Good	Good	Good	Good	Good	Moderate	Moderate	Good	Moderate	Moderate	Moderate

Table 33: Hedgerows Part 5

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types –Native hedgerow with trees, Native hedgerow with trees - associated with bank or ditch, Species-rich native hedgerow with trees - associated with bank or ditch

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

A1 - 1.5m average along length

A2 - >1.5m average along length

B1 - Gap between ground and base of canopy <0.5m for >90% of length

B2 - Gaps make up <10% of total length; and

C1 - >1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:

C2 - Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.

D1 - >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.

D2 - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.

E1 - There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient8), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.

E2 - At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.

Condition Assessment Criteria	Habitat reference number																													
	77	79	81	83	84	88	91	96	97	98	99	101	102	106	110	118	119	120	123	124	127	128	130	131	134	136	139	140	142	
A1	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
A2	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B1	X	X	X	X	X	X						X	X	X	X	X	X	X	X	X	X	X	X		X	X		X		
B2	X	X	X	X	X	X		X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
C1		X																		X	X				X		X	X		
C2	X			X	X																	X		X	X	X	X	X	X	
D1	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
D2													X							X	X	X	X		X	X	X	X	X	X

Condition Assessment Criteria	Habitat reference number																													
	77	79	81	83	84	88	91	96	97	98	99	101	102	106	110	118	119	120	123	124	127	128	130	131	134	136	139	140	142	
E1						X		X	X						X					X		X		X			X	X		
E2	X	X		X	X	X				X	X	X	X	X		X		X	X		X	X		X	X	X	X	X		
Condition	Moderate	Moderate	Poor	Moderate	Moderate	Moderate	Poor	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Moderate	Moderate	Good	Good	Good	Poor	Moderate	Good	Good	Good	Good	Good	Poor

Table 34: Hedgerows Part 6

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types –Native hedgerow with trees, Native hedgerow with trees - associated with bank or ditch, Species-rich native hedgerow with trees - associated with bank or ditch

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

A1 - 1.5m average along length

A2 - >1.5m average along length

B1 - Gap between ground and base of canopy <0.5m for >90% of length

B2 - Gaps make up <10% of total length; and

C1 - >1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:

C2 - Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.

D1 - >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.

D2 - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.

E1 - There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient8), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.

E2 - At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.

Condition Assessment Criteria	Habitat reference number																												
	144	145	149	151	152	153	155	158	159	160	161	162	163	164	165	167	170	171	176	181	187	188	191	193	194	195	196	198	199
A1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
A2	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X	X		X	X	X	X	X	
B2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X
C1	X	X	X	X			X	X	X	X	X	X	X				X		X	X	X	X	X	X	X	X	X	X	
C2	X	X	X	X	X	X	X	X	X	X	X		X	X		X		X	X	X	X	X	X	X		X	X		
D1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Condition Assessment Criteria	Habitat reference number																												
	144	145	149	151	152	153	155	158	159	160	161	162	163	164	165	167	170	171	176	181	187	188	191	193	194	195	196	198	199
E1		X										X							X	X				X		X		X	X
E2	X	X	X			X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X		X	X
Condition	Good	Good	Good	Moderate	Moderate	Good	Good	Good	Moderate	Good	Good	Good	Good	Good	Moderate	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good	Good	Good	Good	Moderate	Good	Moderate

Table 35: Hedgerow Part 7

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types –Native hedgerow with trees, Native hedgerow with trees - associated with bank or ditch, Species-rich native hedgerow with trees - associated with bank or ditch

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria

A1 - 1.5m average along length

A2 - >1.5m average along length

B1 - Gap between ground and base of canopy <0.5m for >90% of length

B2 - Gaps make up <10% of total length; and

C1 - >1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:

C2 - Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.

D1 - >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.

D2 - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.

E1 - There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient8), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.

E2 - At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.

Condition Assessment Criteria	Habitat reference number																												
	200	202	203	204	215	216	217	218	220	226	227	230	234	237	243	244	248	250	252	254	256	284	287	288	296	342	343	347	349
A1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
A2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X		X	X	X		X	X	X	
B1		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X			X	X		X
B2	X	X		X	X	X	X	X	X		X	X	X	X			X		X	X		X	X	X	X	X	X		X
C1	X	X		X	X	X		X	X	X	X		X	X	X		X	X		X			X	X	X	X	X	X	
C2		X	X		X	X	X	X	X	X	X				X	X		X		X		X	X	X		X	X	X	
D1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X
D2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X			X	X	X	X	X		X

Condition Assessment Criteria	Habitat reference number																												
	200	202	203	204	215	216	217	218	220	226	227	230	234	237	243	244	248	250	252	254	256	284	287	288	296	342	343	347	349
E1											X			X	X	X		X		X	X		X						
E2	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Condition	Moderate	Good	Moderate	Good	Good	Good	Good	Moderate	Good	Good	Good	Moderate	Good	Good	Good	Moderate	Moderate	Good	Moderate	Good	Poor	Moderate	Good	Good	Moderate	Good	Good	Moderate	Moderate

Table 36: Hedgerows Part 8

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types –Native hedgerow with trees, Native hedgerow with trees - associated with bank or ditch, Species-rich native hedgerow with trees - associated with bank or ditch

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria		Habitat reference number									
		363	369	373	374	375	387	388	392	393	502
A1	>1.5m average along length	X	X	X	X	X				X	X
A2	>1.5m average along length	X	X	X	X	X				X	X
B1	Gap between ground and base of canopy <0.5m for >90% of length	X		X	X	X	X	X	X	X	X
B2	Gaps make up <10% of total length; and	X	X	X	X	X	X	X	X	X	X
C1	>1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:					X				X	
C2	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	X		X	X	X		X	X	X	
D1	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.	X	X	X	X	X	X	X	X	X	X
D2	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	X	X	X	X	X	X		X	X	X
E1	There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient8), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.					X				X	X
E2	At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.	X	X	X	X	X	X	X	X	X	X
Condition		Good	Moderate	Good	Good	Good	Poor	Moderate	Moderate	Good	Moderate

Table 37: Hedgerows Part 9

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat types –Species-rich native hedgerow with trees, Native hedgerow, Species-rich native hedgerow, Species-rich native hedgerow - associated with bank or ditch, Native hedgerow with trees - associated with bank or ditch, Native hedgerow with trees

Date of survey

02/09/2025

Condition Assessment Criteria		Habitat reference number															
		601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616
A1	>1.5m average along length	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
A2	>1.5m average along length		X	X	X	X	X	X	X	X	X		X	X	X	X	X
B1	Gap between ground and base of canopy <0.5m for >90% of length	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
B2	Gaps make up <10% of total length; and	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
C1	>1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:					X		X					X				
C2	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	X	X	X						X	X	X	X	X	X	X	X
D1	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.	X	X	X		X	X	X	X	X	X	X		X	X	X	X
D2	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
E1	There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient8), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.	X	X													X	X
E2	At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse	1	1	0	0	0	1	0	0	0	0	0	1	1	0	0	1

Condition Assessment Criteria	Habitat reference number															
	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616
impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.																
Condition	Good	Good	Good	Poor	Good	Moderate	Moderate	Moderate	Good	Good	Moderate	Good	Good	Moderate	Good	Good

Table 38: Ditch habitats

Source of condition assessment criteria: Statutory Biodiversity metric -Technical Annex 1

Habitat type – Ditches

Date of survey

June 2023, July 2023, October 2023, January 2024, May 2024, April 2024

Condition Assessment Criteria	Habitat reference number				
	9	68	179	180	212
A The ditch is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution.		X		X	X
B A range of emergent, submerged and floating-leaved plants are present. As a guide >10 species of emergent, floating or submerged plants present in a 20m ditch length.		X		X	X
C There is less than 10% cover of filamentous algae and or duckweed Lemna spp. (these are signs of eutrophication).	X	X	X	X	X
D A fringe of aquatic marginal vegetation is present along more than 75% of the ditch.	X	X	X	X	X
E Physical damage is evident along less than 5% of the ditch, with examples of damage including: excessive poaching, damage from machinery use or storage, or any other damaging management activities.	X	X	X	X	X
F Sufficient water levels are maintained - as a guide a minimum summer depth of approximately 50cm in minor ditches and 1m in main drains.		X		X	X
G Less than 10% of the ditch is heavily shaded.		X	X	X	X
H There is an absence of non-native plant and animal species	X	X	X	X	X
Condition	Poor	Good	Poor	Good	Good

MoRPh survey results

Table 39: MoRPh5 field survey results

Condition indicators		Watercourse								
		Muxwell Brook A	Muxwell Brook B	Tributary of Padbury Brook	Claydon Brook A	Claydon Brook B	Claydon Brook C	Claydon Brook D	Claydon Brook E	Claydon Brook F
A6	Bedrock reach?	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
A7	Coarsest bed material	Gravel/Pebble	Gravel/Pebble	Gravel/Pebble	Gravel/Pebble	Gravel/Pebble	Cobbles	Cobbles	Silt	Silt
A8	Average bed material	Sand	Gravel/Pebble	Silt	Silt	Silt	Silt	Silt	Silt	Silt
B1	Bank top vegetation structure	2	2	2	2	1	2	1	2	2
B2	Bank top tree feature richness	0	0	0	0	0	1	0	0	0
B3	Bank top water-related features	0	0	1	0	0	0	0	0	0
B4	Bank top NNIPS cover	0	0	0	0	0	0	0	0	0
B5	Bank top managed ground cover	0	0	0	-2	-3	-2	-2	-3	-2
C1	Bank face riparian vegetation structure	3	2	3	2	2	2	3	1	2
C2	Bank face tree feature richness	1	1	1	1	0	1	0	0	0
C3	Bank face natural bank profile extent	3	3	3	3	3	3	3	3	3
C4	Bank face natural bank profile richness	4	3	3	1	3	2	3	1	2
C5	Bank face natural bank material richness	2	1	2	2	2	2	2	2	2
C6	Bank face bare sediment extent	1	4	4	1	1	4	4	1	1
C7	Bank face artificial bank profile extent	0	0	0	0	0	0	0	0	0
C8	Bank face reinforcement extent	0	0	0	0	0	0	0	0	0
C9	Bank face reinforcement material severity	0	0	0	0	0	0	0	0	0
C10	Bank face NNIPS cover	0	0	0	0	0	0	0	0	0
D1	Channel margin aquatic vegetation extent	1	1	3	2	3	2	2	3	2
D2	Channel margin aquatic morphotype richness	0	0	2	1	2	1	1	1	1
D3	Channel margin physical feature extent	2	1	1	2	1	2	2	0	2
D4	Channel margin physical feature richness	2	1	1	1	1	2	2	0	1
D5	Channel margin artificial features	0	0	0	0	0	0	0	0	0
E1	Channel aquatic morphotype richness	3	2	3	2	2	2	1	1	1
E2	Channel bed tree features richness	2	1	0	1	1	1	1	1	1
E3	Channel bed hydraulic features richness	1	1	1	1	1	1	1	1	1
E4	Channel bed natural features extent	2	1	1	0	0	0	1	0	0

Condition indicators		Watercourse								
		Muxwell Brook A	Muxwell Brook B	Tributary of Padbury Brook	Claydon Brook A	Claydon Brook B	Claydon Brook C	Claydon Brook D	Claydon Brook E	Claydon Brook F
E5	Channel bed natural features richness	1	1	1	0	0	0	1	0	0
E6	Channel bed material richness	3	3	3	3	3	3	3	2	2
E7	Channel bed siltation	0	0	0	0	0	-4	0	0	0
E8	Channel bed reinforcement extent	0	0	0	0	0	0	0	0	0
E9	Channel bed reinforcement severity	0	0	0	0	0	0	0	0	0
E10	Channel bed artificial features severity	0	-4	-4	0	0	0	0	0	0
E11	Channel bed NNIPS extent	0	0	0	0	0	0	0	0	0
E12	Channel bed filamentous algae extent	0	0	0	0	0	0	0	0	0
	Preliminary Condition Score	1.7368422	1.1659919	1.534413	1.1619433	1.1376518	1.1700405	1.4777328	0.7692308	1.0566802
	River Shape	0.8770492	0.6785714	1.0176991	1.6365824	1.2982998	1.5468941	1.4759536	1.1094675	1.5558344
	Average Width	1.07	0.76	1.15	2.72	1.68	2.54	3.56	1.5	2.48
	Positive Index Average	1.7368422	1.4736842	1.8421053	1.3157895	1.3684211	1.6315789	1.6315789	1	1.2105263
	Negative Index Average	0	-0.30769232	-0.30769232	-0.15384616	-0.23076923	-0.46153846	-0.15384616	-0.23076923	-0.15384616
	River Type	F	F	K	K	K	K	K	K	K
	Condition class	Fairly good	Moderate	Fairly good	Moderate	Moderate	Moderate	Fairly Good	Moderate	Moderate
	Overdeep?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Final condition class (after overdeep assessment)	Moderate	Fairly poor	Moderate	Fairly Poor	Fairly Poor	Fairly Poor	Moderate	Fairly Poor	Fairly Poor

Table 40: River Type assessment

Category indicators	Watercourse		
	Muxwell Brook	Tributary of Padbury Brook	Claydon Brook
A1 - Braiding Index	0	0	1
A2 - Sinuosity Index	1.225	1.074074	1.2222222
A3 - Anabranching Index	0	0	1
A4 - Level of confinement	Unconfined	Unconfined	Unconfined
A5 - Reach Valley Gradient	0.0075	1.85E-06	0.0011111111
A6 - Bedrock reach?	FALSE	FALSE	FALSE
A7 - Coarsest bed material	Gravel/Pebble	Gravel/Pebble	Gravel/Pebble
A8 - Average bed material	Gravel/Pebble	Silt	Silt
Calculated River Type	F	K	K
Final River Type	F	K	K

Annex C – Post- development condition assessments



Annex C - Post-development condition assessments

Table 41: Proposed *Other neutral grassland* poor condition

UKHab	<i>Other neutral grassland</i>
Habitat description	Grassland under the panels, and within PRow buffers
Condition assessment criteria	Targeted
A 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 Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only."	No
B Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	No
C Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens.	No
D Cover of bracken <i>Pteridium aquilinum</i> is less than 20% and cover of scrub (including bramble <i>Rubus fruticosus</i> agg.) is less than 5%.	Yes
E Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area.	No
F There are 10 or more vascular plant species per m² present, including forbs that are characteristic of the habitat type Note - this criterion is essential for achieving Good condition for non-acid grassland types only."	No
Condition	Poor

Table 42: Proposed *Other neutral grassland* in moderate condition

UKHab	<i>Other neutral grassland</i>
Habitat description	Grassland within hedgerow buffers, bat mitigation corridor, woodland buffers and watercourse enhancement area
Condition assessment criteria	Targeted
A 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 Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only."	Yes
B Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	Yes
C Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens.	Yes
D Cover of bracken <i>Pteridium aquilinum</i> is less than 20% and cover of scrub (including bramble <i>Rubus fruticosus</i> agg.) is less than 5%.	Yes
E Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area.	Yes
F There are 10 or more vascular plant species per m² present, including forbs that are characteristic of the habitat type Note - this criterion is essential for achieving Good condition for non-acid grassland types only."	No
Condition	Moderate

Table 43: Proposed *Other neutral grassland* in good condition

UKHab	<i>Other neutral grassland</i>
Habitat description	Grassland within ground nesting bird mitigation area and species rich grassland mitigation area
Condition assessment criteria	Targeted
A 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 Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only."	Yes
B Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	Yes
C Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens.	Yes
D Cover of bracken <i>Pteridium aquilinum</i> is less than 20% and cover of scrub (including bramble <i>Rubus fruticosus</i> agg.) is less than 5%.	Yes
E Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area.	Yes
F There are 10 or more vascular plant species per m² present, including forbs that are characteristic of the habitat type Note - this criterion is essential for achieving Good condition for non-acid grassland types only."	Yes
Condition	Good

Table 44: Proposed *Mixed scrub* in moderate condition

UKHab	<i>Mixed scrub</i>
Habitat description	<i>Mixed scrub</i> within species rich grassland mitigation, hedgerow buffers, bat mitigation corridors, ground nesting bird mitigation area and woodland buffers
Condition assessment criteria	Targeted
A 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). - At least 80% of scrub is native, - There are at least three native woody species, - No single species comprises more than 75% of the cover (except hazel (<i>Corylus avellana</i>), common juniper (<i>Juniperus communis</i>), sea buckthorn (<i>Hippophae rhamnoides</i>) (only in its restricted native range), or box (<i>Buxus sempervirens</i>), which can be up to 100% cover).	Yes
B Seedlings, saplings, young shrubs and mature (or ancient or veteran) shrubs are all present.	Yes
C There is an absence of invasive non-native plant species (as listed on Schedule 9 of WCA) and species indicative of suboptimal condition make up less than 5% of ground cover.	Yes
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
E There are clearings, glades or rides present within the scrub, providing sheltered edges.	No
Condition	Moderate

Table 45: Proposed Ponds (*non-priority habitat*) in moderate condition

UKHab	<i>Ponds (non-priority habitat)</i>
Habitat description	Proposed ponds
Condition assessment criteria	Targeted
A The pond is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution. Turbidity is acceptable if the pond is grazed by livestock.	Yes
B There is semi-natural habitat (moderate distinctiveness or above) completely surrounding the pond, for at least 10m from the pond edge for its entire perimeter.	Yes
C Less than 10% of the water surface is covered with duckweed <i>Lemna</i> spp. or filamentous algae.	Yes
D The pond is not artificially connected to other waterbodies, such as agricultural ditches or artificial pipework	Yes
E Pond water levels can fluctuate naturally throughout the year. No obvious artificial dams, pumps or pipework.	Yes
F There is an absence of listed non-native plant and animal species.	Yes
G The pond is not artificially stocked with fish. If the pond naturally contains fish, it is a native fish assemblage at low densities.	Yes
H Emergent, submerged or floating plants (excluding duckweed) cover at least 50% of the pond area which is less than 3m deep.	No
I The pond surface is no more than 50% shaded by adjacent trees and scrub.	No
Condition	Moderate

Table 46: Proposed *Other woodland, broadleaved* in poor condition

UKHab		Other woodland, broadleaved		
Habitat description		Proposed woodland		
Condition assessment criteria			Target score	
A	Three age-classes present.	Two age-classes present.	One age-class present.	1
B	No significant browsing damage evident in woodland	Evidence of significant browsing pressure is present in less than 40% of whole woodland.	Evidence of significant browsing pressure is present in 40% or more of whole woodland.	2
C	No invasive species present in woodland.	Rhododendron <i>Rhododendron ponticum</i> or cherry laurel <i>Prunus laurocerasus</i> not present, and other invasive species <10% cover.	Rhododendron or cherry laurel present, or other invasive species ≥10% cover.	3
D	Five or more native tree or shrub species found across woodland parcel.	Three to four native tree or shrub species found across woodland parcel.	Two or less native tree or shrub species across woodland parcel.	3
E	>80% of canopy trees and >80% of understory shrubs are native	50 - 80% of canopy trees and 50 - 80% of understory shrubs are native	<50% of canopy trees and <50% of understory shrubs are native	3
F	10 - 20% of woodland has areas of temporary open space. Unless woodland is <10ha, in which case 0 - 20% temporary open space is permitted."	21 - 40% of woodland has areas of temporary open space	<10% or >40% of woodland has areas of temporary open space. But if woodland <10ha has <10% temporary open space, please see Good category."	3

UKHab		Other woodland, broadleaved		
Habitat description		Proposed woodland		
Condition assessment criteria				Target score
G	All three classes present in woodland; trees 4 - 7 cm Diameter at Breast Height (DBH), saplings and seedlings or advanced coppice regrowth.	One or two classes only present in woodland.	No classes or coppice regrowth present in woodland.	1
H	Tree mortality 10% or less, no pests or diseases and no crown dieback.	11% to 25% tree 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	2
I	Recognisable NVC plant community at ground layer present, strongly characterised by ancient woodland flora specialists.	Recognisable woodland NVC plant community at ground layer present.	No recognisable woodland NVC plant community at ground layer present.	1
J	Three or more storeys across all survey plots, or a complex woodland.	Two storeys across all survey plots	One or less storey across all survey plots	1
K	Two or more veteran trees per hectare.	One veteran tree per hectare.	No veteran trees present in woodland.	1
L	50% of all survey plots within the woodland parcel have deadwood, such as standing and fallen deadwood, large dead branches and or stems, branch stubs and stumps, or an abundance of small cavities.	Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing and fallen deadwood, large dead branches and or stems, 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 and fallen deadwood, large dead branches and or stems, stubs and stumps, or an abundance of small cavities ¹	1

UKHab		<i>Other woodland, broadleaved</i>	
Habitat description		Proposed woodland	
Condition assessment criteria			Target score
M	No nutrient enrichment or damaged ground evident	Less than 1 hectare in total of nutrient enrichment across woodland area, and or less than 20% of woodland area has damaged ground	1 hectare or more of nutrient enrichment, and or 20% or more of woodland area has damaged ground
Condition			Poor

Table 47: Proposed *Lowland meadow* in moderate condition

UKHab	<i>Lowland meadow</i>
Habitat description	Grassland within ground nesting bird mitigation area which will be enhanced
Condition assessment criteria	Targeted
A 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 Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only."	Yes
B Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	Yes
C Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens.	No
D Cover of bracken <i>Pteridium aquilinum</i> is less than 20% and cover of scrub (including bramble <i>Rubus fruticosus</i> agg.) is less than 5%.	Yes
E Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area.	No
F There are 10 or more vascular plant species per m² present, including forbs that are characteristic of the habitat type Note - this criterion is essential for achieving Good condition for non-acid grassland types only."	Yes
Condition	Moderate

Table 48: Proposed *Species rich native hedgerow with trees* in good condition

UKHab		<i>Species rich native hedgerow with trees</i> and <i>Species rich native hedgerow with trees – associated with bank or ditch</i>
Habitat description		Proposed new and replanted hedgerows
Condition assessment criteria		Targeted
A1	>1.5m average along length	Yes
A2	>1.5m average along length	Yes
B1	Gap between ground and base of canopy <0.5m for >90% of length	Yes
B2	Gaps make up <10% of total length; and	Yes
C1	>1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:	Yes
C2	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	Yes
D1	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species.	Yes
D2	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	Yes
E1	There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient8), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.	Yes
E2	At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.	Yes
Condition		Good

Table 49: Proposed sections of watercourse created under bridge

Condition indicators		Bridge	Outfall pipes
A6	Bedrock reach?	FALSE	FALSE
A7	Coarsest bed material	Cobbles	Cobbles
A8	Average bed material	Silt	Silt
B1	Bank top vegetation structure	0	0
B2	Bank top tree feature richness	0	0
B3	Bank top water-related features	0	0
B4	Bank top NNIPS cover	0	0
B5	Bank top managed ground cover	-4	-4
C1	Bank face riparian vegetation structure	3	0
C2	Bank face tree feature richness	0	0
C3	Bank face natural bank profile extent	3	0
C4	Bank face natural bank profile richness	3	0
C5	Bank face natural bank material richness	2	0
C6	Bank face bare sediment extent	4	0
C7	Bank face artificial bank profile extent	0	-4
C8	Bank face reinforcement extent	0	-4
C9	Bank face reinforcement material severity	0	-4

Condition indicators		Bridge	Outfall pipes
C10	Bank face NNIPS cover	0	-4
D1	Channel margin aquatic vegetation extent	0	0
D2	Channel margin aquatic morphotype richness	0	0
D3	Channel margin physical feature extent	2	0
D4	Channel margin physical feature richness	2	0
D5	Channel margin artificial features	0	0
E1	Channel aquatic morphotype richness	0	0
E2	Channel bed tree features richness	0	0
E3	Channel bed hydraulic features richness	1	1
E4	Channel bed natural features extent	1	0
E5	Channel bed natural features richness	1	0
E6	Channel bed material richness	3	3
E7	Channel bed siltation	0	0
E8	Channel bed reinforcement extent	0	0
E9	Channel bed reinforcement severity	0	0
E10	Channel bed artificial features severity	-2	0
E11	Channel bed NNIPS extent	0	0

Condition indicators		Bridge	Outfall pipes
E12	Channel bed filamentous algae extent	0	0
	Preliminary Condition Score	0.85	-1.33
	River Shape	1.4759536	1.2982998
	Average Width	3.56	1.68
	Positive Index Average	1.316	0.211
	Negative Index Average	-0.462	-1.538
	River Type	K	K
	Condition class	Moderate	Poor
	Overdeep?	Yes	Yes
	Final condition class (after overdeep assessment)	Fairly Poor	Poor

Table 50: Proposed modified grassland in poor condition

UKHab	Modified grassland
Habitat description	Unrestricted grazing areas
Condition assessment criteria	Targeted
A There are 6-8 vascular plant species per m ² present, including at least 2 forbs Note - this criterion is essential for achieving Moderate or Good condition.	No
B Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for vertebrates and invertebrates to live and breed.	No
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
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 other damaging management activities.	Yes
E Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens).	Yes
F Cover of bracken <i>Pteridium aquilinum</i> is less than 20%.	Yes
G There is an absence of invasive non-native plant species (as listed on Schedule 9 of WCA).	Yes
Condition	Poor



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