POWER FOR GOOD

Steeple Renewables Project

Appendix 6.5: Arboricultural Impact Assessment

Environmental Statement - Volume 2

April 2025

Document Reference: EN010163/APP/6.3.5

Revision: 1

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulation 5(2)(a)

Appendix 6.5: Arboricultural Impact Assessment

Document Properties		
Prepared By	The Steeple Renewables Project Consultant Team	
Version History		
Version	**Date**	**Version Status**
Application Version	April 2025	Rev 1

ARBORICULTURAL IMPACT ASSESSMENT

Steeple Renewables Project (NSIP)

May 2025

Barton Hyett Associates
Arboricultural Consultants

Summary table		
Site Name:	Steeple Renewables Project	
Project reference:	5343	
Order Limits:	The Order Limits cover an area of 888.31 hectares (ha) located within the administrative area of Bassetlaw District Council in the county of Nottinghamshire	
Nearest Postcode:	DN22 9HF	
Central Grid reference:	SK 79739 83342	
Local Planning Authority:	Bassetlaw District Council	
Relevant planning policies:	Bassetlaw Local Plan 2020-2038, Bassetlaw District Local Development Framework November 2010	
Statutory Controls:	**Tree Preservation Order**	**Conservation Area**
	None	No
Soil Type: (Source: BGS online soils map © NERC 2025)	**Superficial/Drift**	**Bedrock**
	Holme Pierrepont Sand and Gravel Member - Sand and gravel	Mercia Mudstone Group - Mudstone
Proposed site plan:	04954-RES-LAY-DR-PT-004	
Report author:	[redacted]	
Checked by:	[redacted]	
Date of issue:	12/05/2025	

Barton Hyett
Arboricultural Consultants

REPORT CONTENTS:

SECTION 1: TREE SURVEY AND ARBORICULTURAL IMPACT ASSESSMENT

SECTION 2: TREE SURVEY & CONSTRAINTS PLAN

SECTION 3: COMBINED TREE RETENTION/REMOVAL & PROTECTION PLAN

SECTION 4: TREE SURVEY SCHEDULE

SECTION 5: METHODOLOGY

SECTION 6: DESIGN GUIDANCE AND GENERIC ADVICE

SECTION 7: PRINCIPLES FOR TREE PROTECTION ON DEVELOPMENT SITES

SECTION 8: TREE PROTECTION / CONSTRUCTION EXCLUSION ZONE SIGN

Arboricultural Association Technician Member

TE6738

Institute of Chartered Foresters registered

1. INTRODUCTION

1.1. Barton Hyett Associates Ltd has been instructed by Pegasus Group on behalf of Steeple Solar Farm Limited to survey trees located within the Order Limits of a Nationally Significant Infrastructure Project (NSIP) located within the administrative area of Bassetlaw District Council in the county of Nottinghamshire ('The Site').

1.2. The Proposed Development will comprise the construction, operation, maintenance and decommissioning of a ground mounted solar photovoltaic generating station with a total capacity of over 50MW. The scheme will be located on land covering an area of 888.31 hectares (ha). The scheme also includes an Energy Storage Facility (for the purposes of the Application, this is assumed to use battery technology and is therefore referred to as a 'Battery Energy Storage System' or 'BESS'). The generating station sites associated substations and BESS are to be connected to the National Grid at a substation at West Burton Power Station.

1.3. This report, in compliance with BS5837:2012 '*Trees in relation to design, demolition and construction - recommendations*'[1] is required to support the Environmental Statement prepared to accompany a submission to the Secretary of State for the Department of Business, Energy and Industrial Strategy in order to gain permission via a Development Consent Order. The Examining Authority (EA) is The Planning Inspectorate (PI).

1.4. The scope of the instruction was to to visit the Site and to survey relevant trees, hedges and woodlands in accordance with BS5837:2012 and to prepare the following information:

- Tree survey summary
- Schedule of tree survey data
- Tree survey plan: an updated topographical survey showing preliminary tree constraints
- Advice on layout in order to limit arboricultural impacts

1.5. With reference to the above information and BS5837:2012, Barton Hyett Associates was also instructed to assess the impact of the Proposed Development on the arboricultural resource within the the Site and to produce the following:

- Arboricultural impact assessment
- Tree Retention & Removal Plan
- Tree Protection Plan

[1] BSI Standards Publication Trees in relation to design, demolition and construction–Recommendations, Fourth (present) edition, April 2012

2. SUMMARY SITE DESCRIPTION

2.1. The Site lies approximately 6km south west of Gainsborough, between Lincoln and Doncaster, and comprises agricultural land with field boundaries defined by a mixture of hedgerows and ditches.

2.2. There are various named and unnamed side roads running through the Site with private roads providing access to various existing farmyards.

2.3. Access to the Site is possible from these private roads and on foot via several Public Rights of Way (PRoW) which cross the Site.

2.4. The surrounding area is agricultural land with occasional farmyards, plantations, copses and outlying dwellings.

3. TREE SURVEY FINDINGS

3.1. The survey recorded **1081** arboricultural features. These are summarised in terms of quality in accordance with the recommendations of BS 5837:2012 in Table 1 below and shown in more detail on the Tree Survey and Constraints Plan (**Section 2**) and within the Tree Survey Schedule (**Section 4**).

3.2. Some survey items are associated with a wider survey area before the Order Limits were set following development of the Proposed Development design.

Table 1: arboricultural features by type and quality category.

	Total	A - High quality trees whose retention is most desirable.	B - Moderate quality trees whose retention is desirable.	C - Low quality trees which could be retained but should not significantly constrain the proposal.	U - Very poor quality trees that should be removed unless they have high conservation value.
Trees	**515**	36	226	251	2
Groups	**121**	6	65	50	-
Woodland	**3**	-	3	-	-
Hedgerows	**442**	-	326	114	2
Total	**1081**	**42**	**620**	**415**	**4**

4. KEY ARBORICULTURAL FEATURES

4.1. No Ancient Semi-Natural Woodlands (ASNW) are associated with the Site (source: DEFRA online mapping resource 'MAGIC Maps' Ancient Woodland inventory).

4.2. Thirty-six individual trees and six groups of trees have been recorded as high-quality (BS 5837:2012 Category A) features. The species of trees break down as twenty oak, one crab apple, four maple, six willow, one hawthorn, three ash, one lime along with groups of oak, ash, lime, willow and sycamore. These trees are particularly good examples of their species which are prominent within the landscape, or of excellent form and condition, with a long life expectancy and a limited number of defects noted.

4.3. As is typical for many agricultural settings, the vast majority of the sites mature trees are to be found within the field boundary hedgerows. On this Site many of the hedgerows often have deep and well-maintained drainage ditches that run parallel on one or both sides of the hedgerows.

4.4. To the west of the Site, bounding the River Trent is a large area of wetland habitat that is home to many mature willow trees including crack willow, white willow, goat willow and osier willow. This whole area of tree cover was recorded as a BS 5837:2012 Category A tree group with the subcategory '3' due to the conservation and ecological value of this habitat and also the trees within.

4.5. One oak (T493) has been recorded as a 'veteran' tree. However, it could also be considered to be 'ancient' due to its exceptionally large stem diameter. This tree is located outside of the Order Limits but the applied 30m buffer extends into the bounds of the eastern most portion of the site.

4.6. Given the presence of this veteran/ancient tree (T493) it will be necessary to consider paragraph 193 of the National Planning Policy Framework 2025 (NPPF) and the associated Standing Advice produced by the Forestry Commission and Natural England which states that, when determining planning applications, local planning authorities should apply the following principle:

c) 'development resulting in the loss or deterioration of irreplaceable habitats (such as ancient woodland and ancient or veteran trees) should be refused unless there are wholly exceptional reasons and a suitable compensation strategy exists.'

4.7. In accordance with the standing advice a veteran/ancient tree buffer 15 times larger than the diameter of the tree has been applied to T493.

5. PROPOSED DEVELOPMENT

5.1. The Proposed Development is for the construction and operation and of a large scale solar farm plus energy storage facility. The proposed layout is shown on the he Combined Tree Retention/Removal and Protection Plan (**Section 3**).

5.2. The description of the Proposed Development is provided below:

> 'The Scheme will comprise the construction, operation and maintenance, and decommissioning of a generating station (incorporating solar arrays) with a total capacity exceeding 50 megawatts (MW). The Scheme is defined as a NSIP under Sections 14(1)(a) and 15(2) of the Planning Act 2008, as it is an onshore generating station in England with a capacity of more than 50 MW.'

6. IMPACT ASSESSMENT

6.1. The impact assessment considers the effects of any tree loss required to implement the proposed development as well as any reasonably foreseeable, potentially damaging activities proposed in the vicinity of retained trees. This is undertaken with reference to BS 5837:2012 and considering the nature of the Proposed Development. Actual and potential impacts can include tree removal to facilitate the development, soil compaction in close proximity to trees, and direct impact damage to the canopy and roots of retained trees from construction activities. A summary of anticipated impacts resulting from the proposed development is provided below.

Trees and hedgerows to be removed

6.2. The Proposed Development (Solar Array) will not require the complete removal of any individual trees, or the removal of entire tree groups, woodlands or hedgerows. Where possible the construction and operation tracks have been routed to avoid individual trees and to utilise existing gaps within tree groups and hedgerows where available. The positioning of solar arrays and associated equipment such as inverters/ transformers, substation, energy storage systems, fencing, CCTV and temporary construction compounds can be located sufficiently distant from the Sites arboricultural resource and the associated Root Protection Areas ('RPAs').

6.3. To establish the proposed access tracks, passing places, visibility splays and watercourse crossings it will be necessary to remove c.531 linear meters of hedgerow. See Figure 1 below for a cross-sectional drawing of a typical access track design.

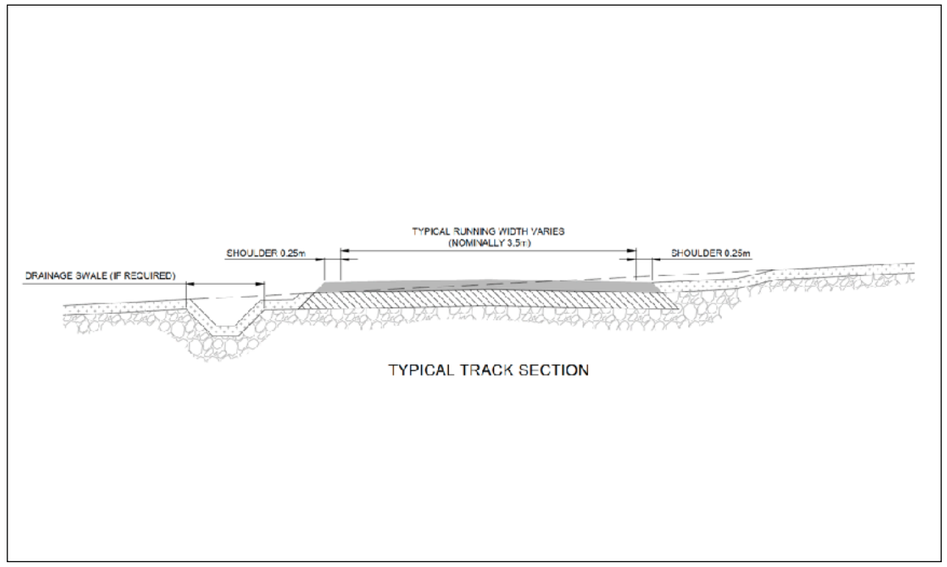

Figure 1: Typical track cross section (Screenshot from drawing ref: 0494-RES-ERW-DR-PT-001)

6.4. For the installation of the proposed perimeter fence it will be necessary to remove numerous short sections of hedgerow, typically up to c.4 linear meters. The total removal required for the perimeter fence will be c.136 linear meters. See Figure 2 below for a drawing of a typical perimeter (deer fence) design.

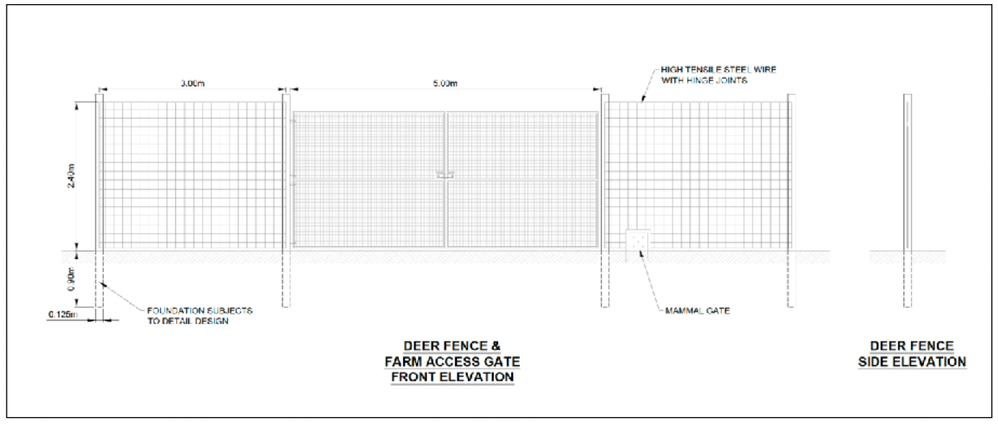

Figure 2: Typical perimeter deer fence cross section (Screenshot from drawing ref: 0494-RES-SEC-DR-PT-001)

6.5. For trenching and laying the connecting cables (DC, LV AC, MV AC) c.26 linear meters of hedgerow will require removal. Some typical trench cross sections to be adopted are shown below in Figure 3.

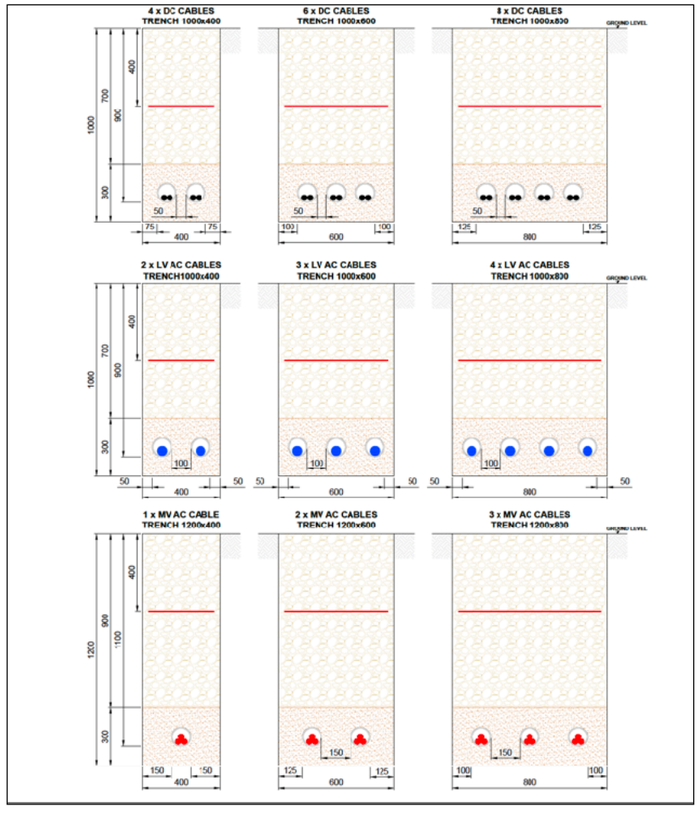

Figure 3: Typical cable trench cross sections (Screenshot from drawing ref: 0494-RES-RW-DR-PT-002)

6.6. For the 33kv below ground cables c.367 linear meters of hedgerow from within the cable corridor (as shown in drawing ref 04954-RES-LAY-DR-PT-004) will require removal.

6.7. For the re-routing of the PRoW within the Order Limits c.10 linear meters of hedgerow will require removal.

6.8. This above hedgerow removal figures total c.1070 linear meters.

6.9. All of the above sections of hedgerow removal are shown as shaded red sections of hedgerow within the Combined Tree Retention/Removal and Protection Plan in **Section 3**.

Impacts on retained trees

6.10. The proposed solar farm development is not anticipated to result in further significant arboricultural impacts on retained trees, tree groups or hedgerows. The construction and operation tracks, positioning of solar arrays and associated equipment such as inverters/transformers, substation compound, BESS compound, transformers, perimeter fencing, CCTV and temporary construction compounds are largely remote from the remainder of Site's arboricultural resource and the associated Root Protection Areas (RPAs). This is due to the proposed layout responding to the arboricultural constraints that have been identified.

6.11. In order to avoid the unnecessary excavation of highways, disturbance of watercourses and drainage, pass below railway tracks, and to avoid unnecessary tree or hedgerow removal. Some Horizontal Directional Drilling (HDD) is proposed at various locations to allow for the installation of underground cables (see drawing ref: 04954-RES-LAY-DR-PT-004 for the proposed HDD locations). This approach is in line with guidance set out by the National Joint Utilities Group (NJUG) Volume 4[2], and with the HDD launch and receiver pits being sited outside of the RPAs of retained trees and tree groups there is no anticipated potential for negative impacts being inflicted upon retained trees.

6.12. In order to avoid the tracking of plant/machinery through the RPAs of trees located within field boundary hedgerows, a notional Construction Exclusion Zone (CEZ) has been designated in-between the perimeter fence and some hedgerows that is protected by additional tree protection barriers. This is due to the presence of some significant and mature, high and moderate-quality trees at the field boundaries, with significant RPAs that extend into the Site. It will therefore be necessary to install the perimeter fence from inside the Site in order to avoid working within the CEZ. Please refer to the The Combined Tree Retention/ Removal and Protection Plan in **Section 3** (drawing reference: BHA_4844_03).

Summary

6.13. In relation to retained trees, the Proposed Development is feasible from an arboricultural perspective and if carefully implemented with the required arboricultural monitoring and supervision for key operations there would be no, or only a very low potential for minor negative impacts upon the retained trees.

7. TREE PROTECTION MEASURES

7.1. The proposed perimeter deer fence (see para 6.4, Figure 2) which is to be erected around the periphery of the solar arrays will act as an effective tree protection barrier and should be erected before any installation works commence. This will mitigate the need to install temporary BS5837:2012 fencing along the outer perimeters of the solar arrays. However, the perimeter fencing will only protect trees located around the periphery. The trees and tree groups contained within the site interior that could be impacted during the construction phase of the development, will in some instances require protection barriers.

7.2. In order for the perimeter deer fence to successfully operate as a tree protection barrier and protect the Root Protection Areas (RPAs) by creating Construction Exclusion Zone (CEZ), it will be necessary to avoid the tracking of plant, machinery and driving of site vehicles in-between the security fence and trees/hedgerows. The area beyond the perimeter security fence should be considered a Construction Exclusion Zone (CEZ).

7.3. Where more significant, high-value trees (of moderate or high quality) are located within the interior, specific robust temporary tree protection barriers have been proposed (as per the specification in BS5837:2012 Figure 3) and shown on the plan in **Section 3**.

7.4. The location of the temporary tree protection fencing and the specification proposed is shown on the Tree Retention/Removal Plan and Protection Plan in **Section 3** (drawing reference: BHA_4352_03). These plans will need to be revised and updated to be based on the final, approved layout to be implemented.

8. HEADS OF TERMS FOR AN ARBORICULTURAL METHOD STATEMENT (AMS)

8.1. BS5837:2012 (Figure 1) recommends that detailed/technical design of tree protection and arboricultural methodologies should be resolved and finalised following on from the approval of the scheme.

8.2. Annex B and Table B.1 of BS5837:2012, an informative, advises that AMS heads of terms are a sufficient level of information in order to deliver tree-related information into the planning system. The table also advises that a detailed AMS might reasonably be required as a planning condition.

8.3. A brief summary of the principles of tree protection on development sites is included in **Section 7**. A 'heads of terms' for an AMS is set out below:

- Project arboriculturist – schedule of monitoring and supervision
- Pre-commencement site meeting
- Sectional hedgerow removal
- Erection of perimeter security fence (phased if required)
- Erection of temporary tree protection barriers (at field access points and within the site interior)

[2] NJUG Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees

- Installation of construction and access/maintenance tracks
- Main construction phase
- Grid connection cable installation
- Removal of temporary tree protection barriers
- Final landscaping including tree and hedgerow planting.

9. CONCLUSIONS AND RECOMMENDATIONS

9.1. The Proposed Development has been successfully designed around the arboricultural constraints identified. The proposals will not require the complete removal of any significant trees or whole tree groups or whole hedgerows. The removal of sections of hedgerow totalling c.1070 linear meters is proposed across the Order Limits to implement the design proposals. This removal is out of a total of circa 68km of hedgerows identified within the arboricultural survey.

9.2. The proposed layout respects RPAs and the retained trees and they can be adequately protected during the construction process in order to sustain their health and longevity. However, it will still be necessary to implement the works in an appropriate manner in order to prevent unintentional damage to retained trees.

9.3. On the basis that the construction process is carried out appropriately, the Proposed Development can be implemented without significant impact on the identified arboricultural resource. In conclusion, the proposals are acceptable from an arboricultural perspective, subject to the implementation of the advice and recommendations set out in this report.

[redacted]

[redacted]

Chartered Arboriculturist

IMAGES FROM THE TREE SURVEY

PROJECT NO: 5343

TAKEN ON: 29-30/04/2024

SURVEYORS: IH,DH,JR, SD

Barton Hyett
Arboricultural Consultants

IMAGE 1:Veteran/ancient English oak tree. Located just outside of the bounds of the site.

IMAGE 2: Wetland habitat adjacent to the River Trent containing many mature willow trees.

IMAGE 3: Mature crack willow pollard.

IMAGE 4: Category A English oak located within the hedgerow with an existing farm access track adjacent.

IMAGE 5: Typical dense and mature native mixed species hedgerow parallel to an existing farm access track.

IMAGE 6: Mature and prominent common ash trees G15 (Category A3).

476600 476750 477000 477250 477500 477750

385250 385000 384750 384500 384250

T515 -C1
T514 -B1
T513 -C1
T512 -C1
T511 -C1
T510 -B1
T509 -B1
T507 -C1
T508 -C1
T506 -C1
T505 -B1
T504 -C1
T503 -B1
T33 -B1
T34 -C1
T32 -B3
T30 -B1
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G108 -B2
G110 -B2
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G112 -B2
G113 -B2
G109 -B2
G105 -C2
G106 -C2
G98 -C2
G99 -B3
G97 -C2
G100 -C2
G101 -C2
G102 -C2
OOS 022

KEY

- Category A Tree - High quality (Retention highly desirable)
- Category A - Hedgerow, Group, Woodland - High quality (Retention highly desirable)
- Category B Tree - Moderate quality (Retention desirable)
- Category B - Hedgerow, Group, Woodland - Moderate quality (Retention desirable)
- Category C Tree - Low quality (May be retained but should not constrain development)
- Category C - Hedgerow, Group, Woodland - Low quality (May be retained but should not constrain development)
- Category U Tree - Very low quality (Mostly unsuitable for retention)
- Category U - Hedgerow, Group, Woodland - Very low quality (Mostly unsuitable for retention)
- Root Protection Area (RPA) - Layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and soil volume to maintain the tree's viability
- Shrub mass/offsite tree/out of scope (OOS)
- ★ Tree/Group/Hedgerow not on topographical survey. Location given is an estimate

Ancient Tree / Woodland or Veteran Trees

- Ancient tree/woodland or Veteran tree: Important trees that require special consideration
- Ancient tree/woodland or Veteran tree buffer: As per published standing advice from Natural England and the Forestry Commission

Statutory Protection

Tree Preservation Order (TPO): Trees under statutory protection.
No tree works to be undertaken without specific consent or by relevant exception

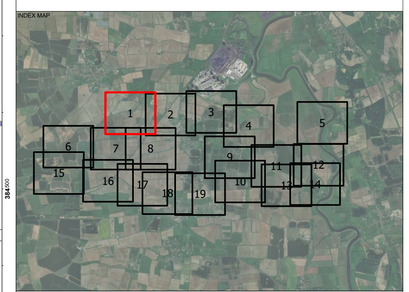
The site may be within a designated Conservation Area which restricts tree works. Please see attached advice and guidance.

- Existing gateway or field access
- Target Note

Target Notes

Label	Description
TN1	3m gap, filled with hay bails
TN2	1m gap
TN3	2m gap
TN4	1m gap
TN5	Public byway access
TN6	9m metal pole barricade
TN7	Existing farm track through hedgerow
TN8	Existing farm track through hedgerow
TN9	Existing farm track through hedgerow
TN10	Existing farm track through hedgerow
TN11	Existing farm track through hedgerow
TN12	Existing farm track through hedgerow
TN13	Oak trees within the hedgerow are set back from site redline beyond RPAs
TN14	Oak trees within the hedgerow are set back from site redline beyond RPAs
TN15	Existing compacted earth and stone track
TN16	Existing farm track through hedgerow
TN17	Existing farm track through hedgerow
TN18	Existing farm track through hedgerow
TN19	Existing farm track through hedgerow

INDEX MAP



Note: The original of this drawing was produced in colour – a monochrome copy should not be relied upon. This drawing should be interpreted with reference to the accompanying tree schedule and written advice

N
GRID NORTH

0 37.5 75 150 Meters

PROJECT TITLE

Steeple Solar Farm Limited (5343)

DRAWING TITLE

Tree Survey Plan

SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			BHA_5343_01	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	IH	B	1 of 19	24/04/2025

COORDINATE SYSTEM / DATUM: British National Grid / Newlyn Datum (AOD)

CLIENT: RES

CREDITS

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Arboricultural Consultants

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DRAWING PRODUCED BY
SUMMIT GEO
enquiries@barton-hyett.co.uk

477750
478000
478250
478500
478750
385250
385000
384750
384500
384250
T387 -A1
T388 -B1
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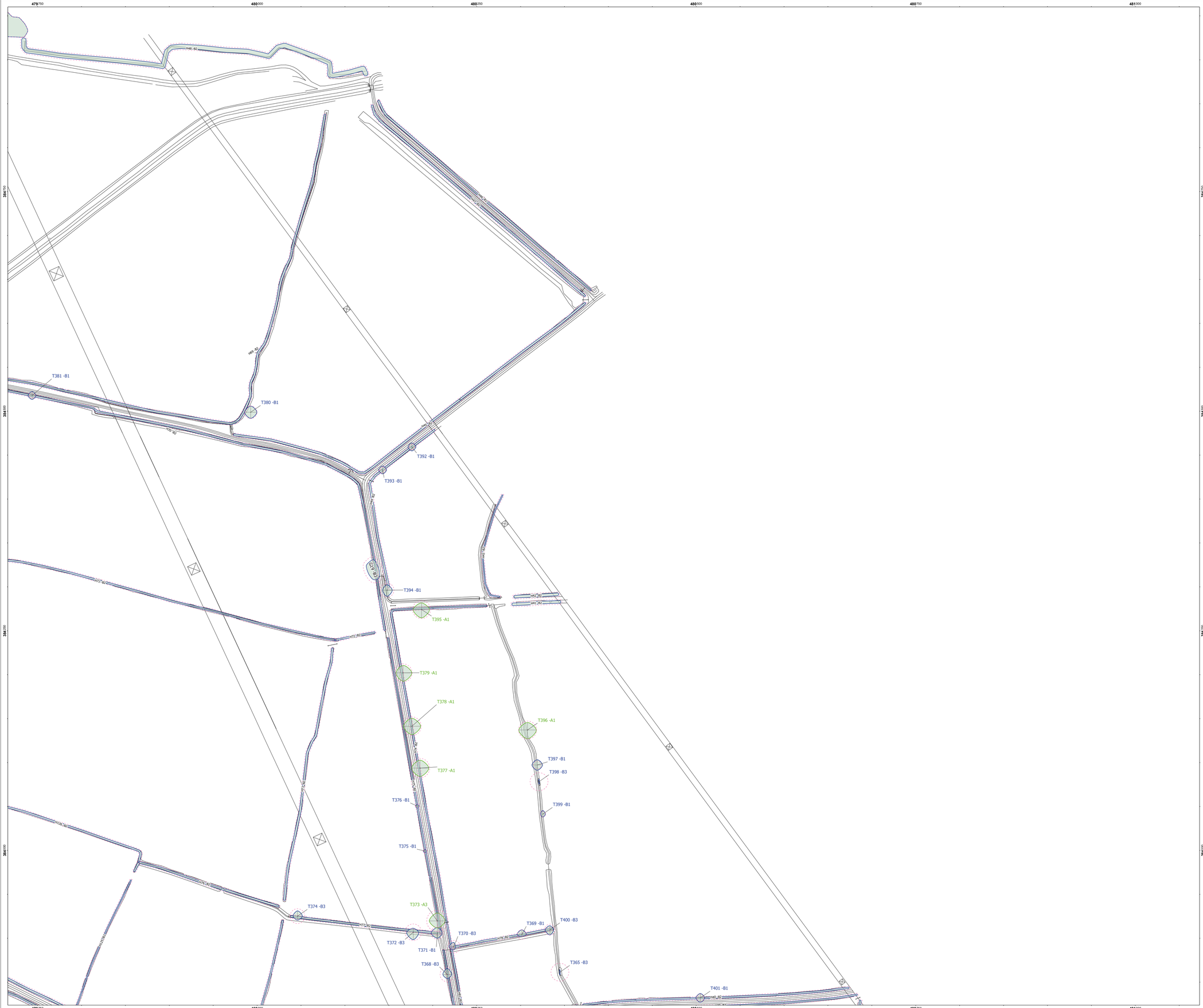

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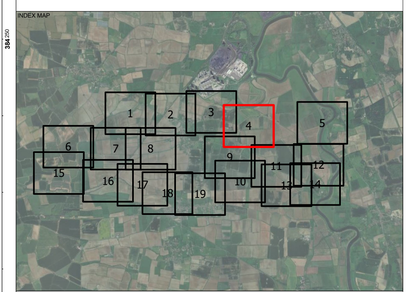

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SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				BHA_5343_01	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	IH	B	4 of 19	24/04/2025	

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

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DRAWING PRODUCED BY

SUMMIT GEO

enquiries@barton-hyett.co.uk

KEY

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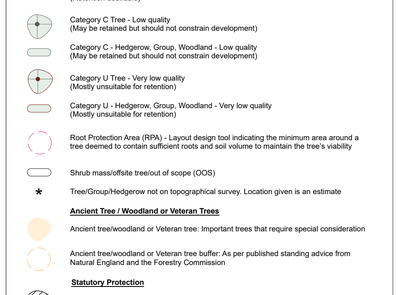

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N
GRID NORTH

0 37.5 75 150 Meters

PROJECT TITLE

Steeple Solar Farm Limited (5343)

DRAWING TITLE

Tree Survey Plan

SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	**BHA_5343_01**

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	IH	B	5 of 19	24/04/2025

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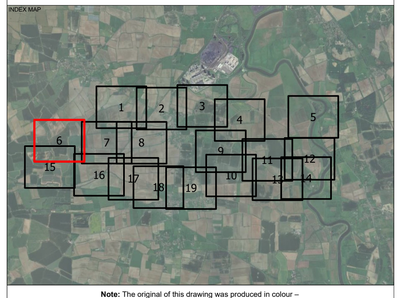

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SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				BHA_5343_01	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	IH	B	6 of 19	24/04/2025	

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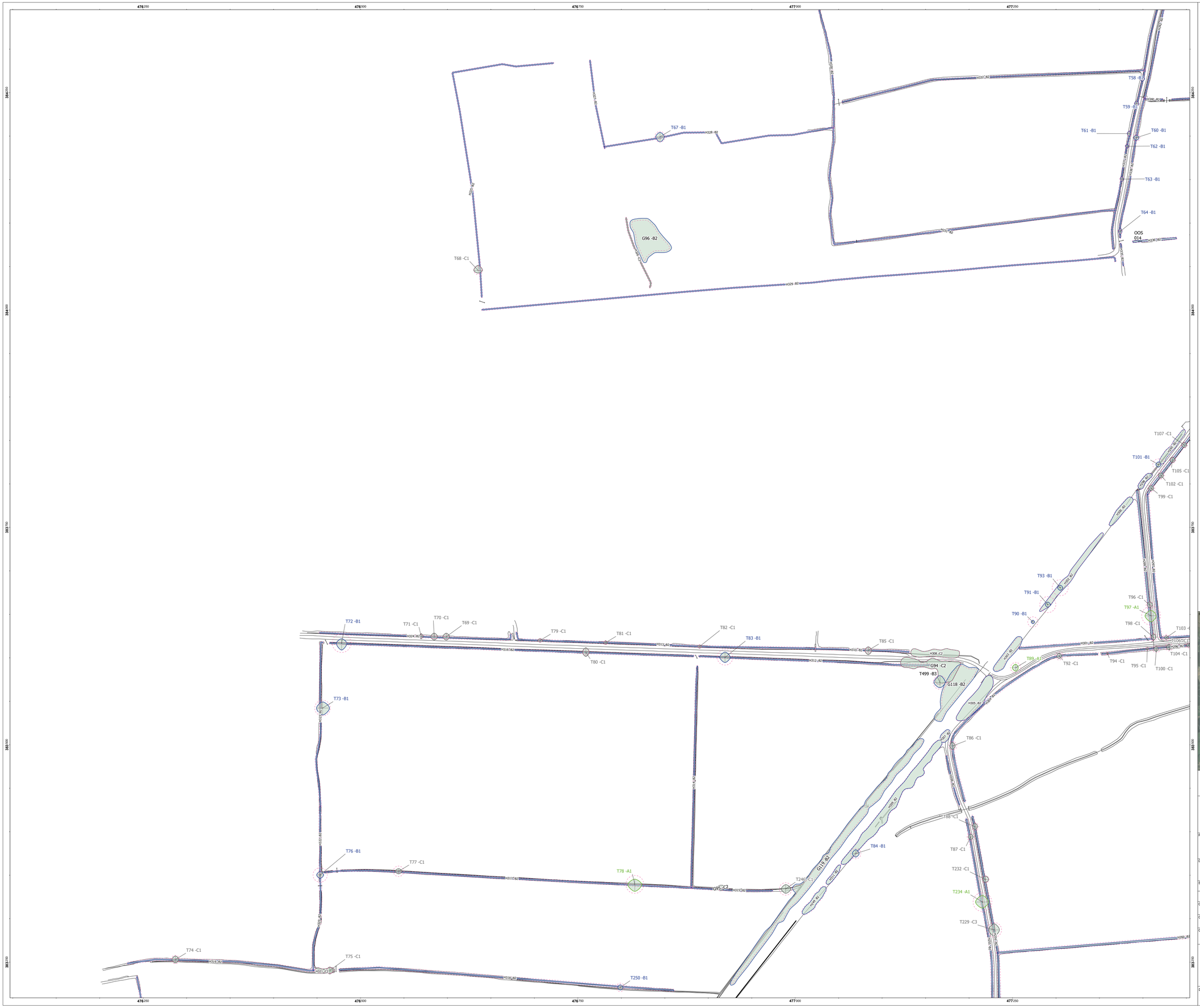

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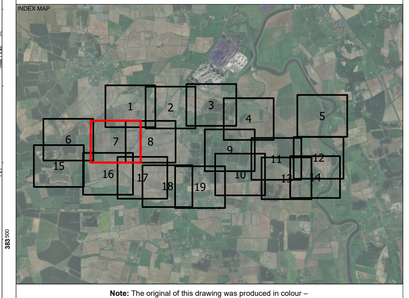

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SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			BHA_5343_01	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	IH	B	7 of 19	24/04/2025

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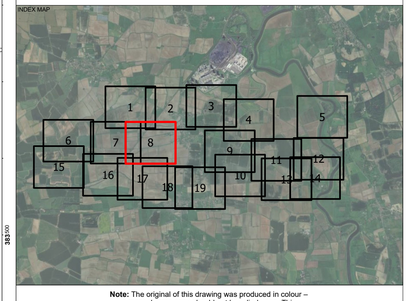

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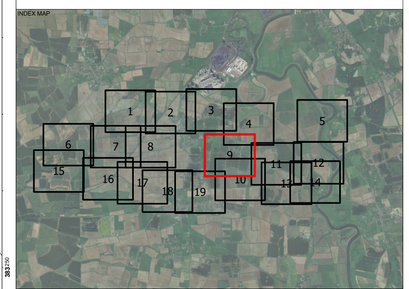

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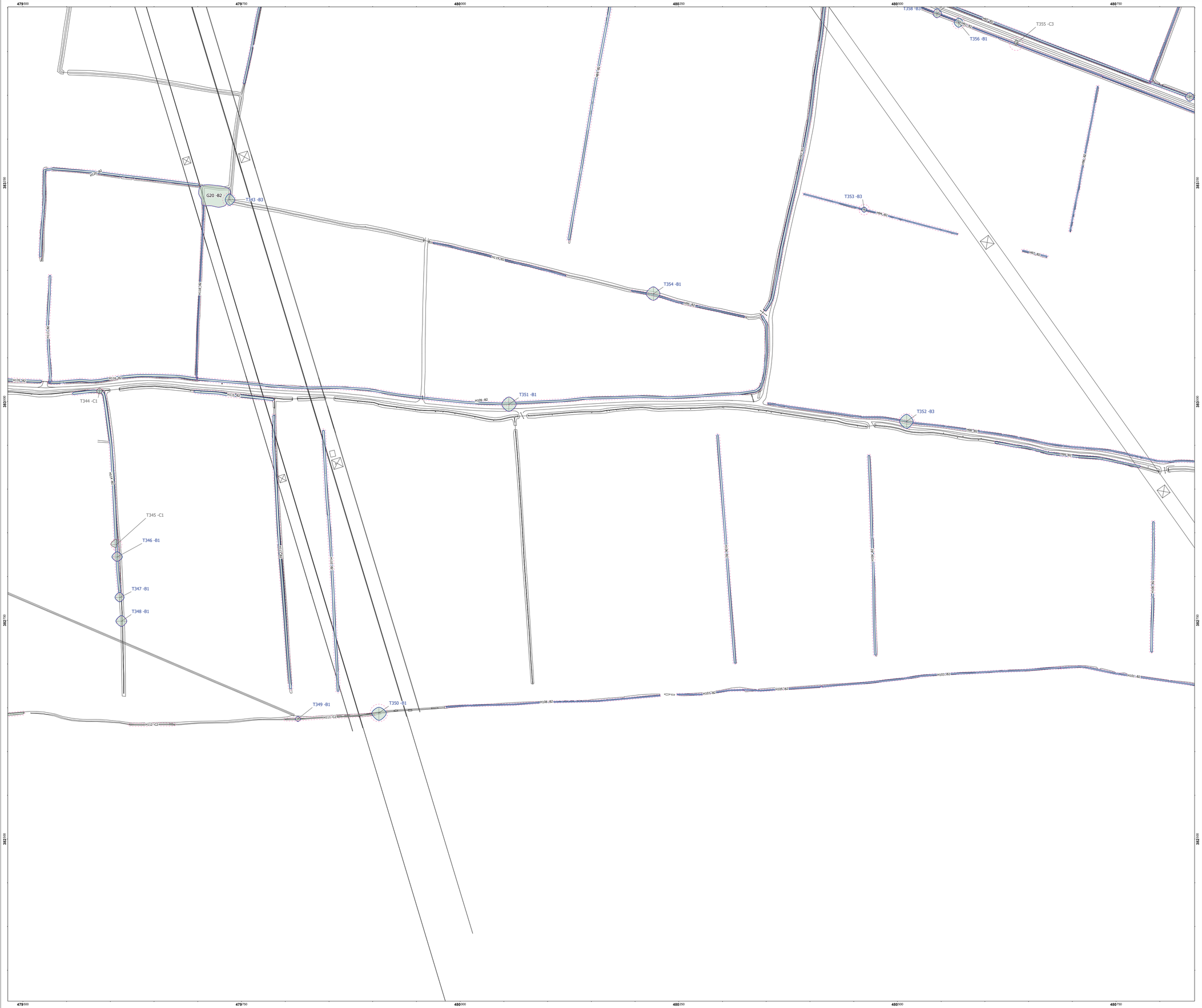

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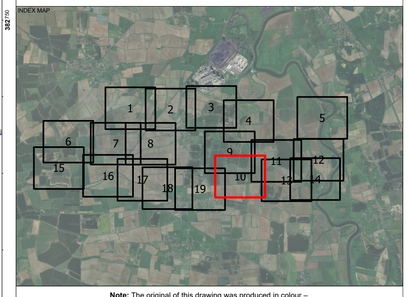

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480500 480750 481000 481250 481500 481750

383750 383500 383250

T401 -B1
H40 -B2
H39 -B2
T402 -A3
H38 -B2
T359 -B1
T403 -A1
T404 -B1
H41 -C2
T357 -B1
T358 -B1
H42 -B2
H37 -B2
T355 -C3
T356 -B1
T405 -B1
T406 -B3
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T410 -A2
H24 -C2
G15 -A3
G14 -A2
W1 -B2
H31 -C2
H32 -B2
T409 -A3
H30 -B2
T352 -B3
H28 -B2
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T425
H25 -B1
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T414 -C1
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T417 -B3
T416 -B3
T415 -A1
T418 -B1
T419 -C1
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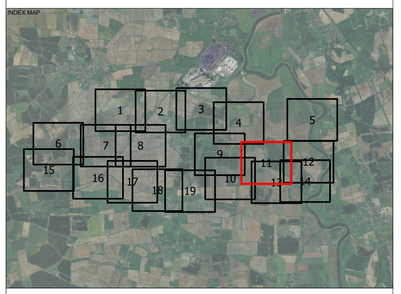
INDEX MAP



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N
GRID NORTH

0 37.5 75 150 Meters

PROJECT TITLE

Steeple Solar Farm Limited (5343)

DRAWING TITLE

Tree Survey Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				BHA_5343_01	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	IH	B	11 of 19	24/04/2025	

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

CLIENT: **RES**

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Eckington, Pershore, Worcestershire, WR10 3DN

DRAWING PRODUCED BY
SUMMIT GEO
enquiries@barton-hyett.co.uk

KEY

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- Category A - Hedgerow, Group, Woodland - High quality (Retention highly desirable)
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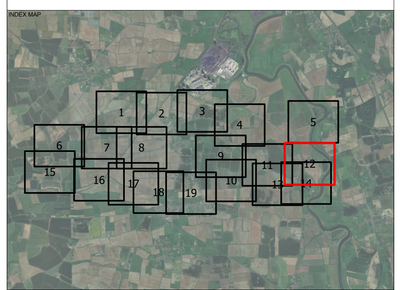

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SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	BHA_5343_01

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	IH	B	12 of 19	24/04/2025

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

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DRAWING PRODUCED BY: SUMMIT GEO

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T406 -B3
T407 -C1
T408 -C1
T411 -B1
T498 -B1
T412 -C1
T410 -A2
G15 -A3
G14 -A2
W1 -B2
T409 -A3
T413 -B1
T414 -C1
T421 -B1
T422 -C1
T418 -B1
T419 -C1
TN15
T420 -B1
TN12
T432 -B3
T431 -B3
T430 -B3
T433 -A3
T434 -A3
TN11
T423 -B1
T424 -B1
T425 -B1
TN19
TN16
TN17
TN18
G13 -B2
T426 -B1
T428 -B3
T429 -B3
T427 -B1
G12 -B3
H1
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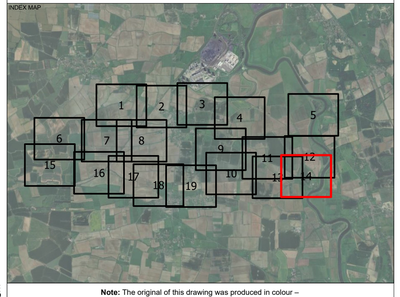

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PROJECT TITLE

Steeple Solar Farm Limited (5343)

DRAWING TITLE

Tree Survey Plan

SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	BHA_5343_01

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	IH	B	14 of 19	24/04/2025

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

CLIENT: **RES**

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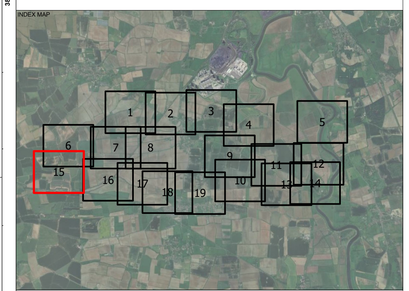

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SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				BHA_5343_01	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	IH	B	15 of 19	24/04/2025	

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

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476000 476250 476500 476750 477000

383250 383000 382750 382500

T76 -B1 T77 -C1 T78 -A1 T74 -C1 T75 -C1 T250 -B1 T247 -C1 T246 -C1 T84 -B1 T87 -C1 T232 -C1 T234 -A1 T229 -C3 T230 -C3 T233 -C1 T235 -B3 T237 -B3 T238 -C3 T236 -C1 T239 -C1 T240 -B1 T241 -C1 T242 -B1 T243 -C1 T244 -B1 T245 -U T278 -C3 T279 -C1 T280 -C1 T277 -C1 T275 -C1 T276 -B1 T251 -C1 T249 -B1 T248 -B1 T252 -B3 T253 -B1 T254 -C1 T255 -C1 T256 -C1 T257 -C1 T258 -B1 T268 -B3 T269 -C1 T272 -C1 T273 -C1 T274 -C1 T271 -C1

OOS 009 OOS 020 OOS 007 OOS 019 OOS 021 OOS 027

G59 -C2 G61 -B2 G68 -B2 G70 -B2 G75 -B2 G78 -B2 G79 -C2 G71 -B2 G72 -C2 G73 -C2 G74 -C2 G77 -C2 G76 -B2 G80 -B2 G83 -B2 G84 -B2 G85 -C2 G86 -B2 G87 -C2 G88 -C2 G89 -C2 G67 -C2 G58 -C2 G57 -C2 G56 -C2

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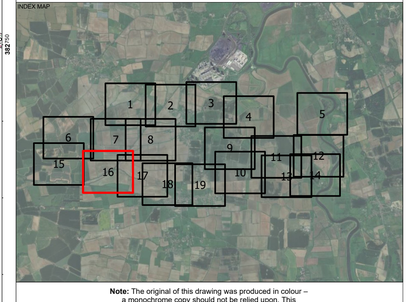

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DRAWING TITLE

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SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	BHA_5343_01

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	IH	B	16 of 19	24/04/2025

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

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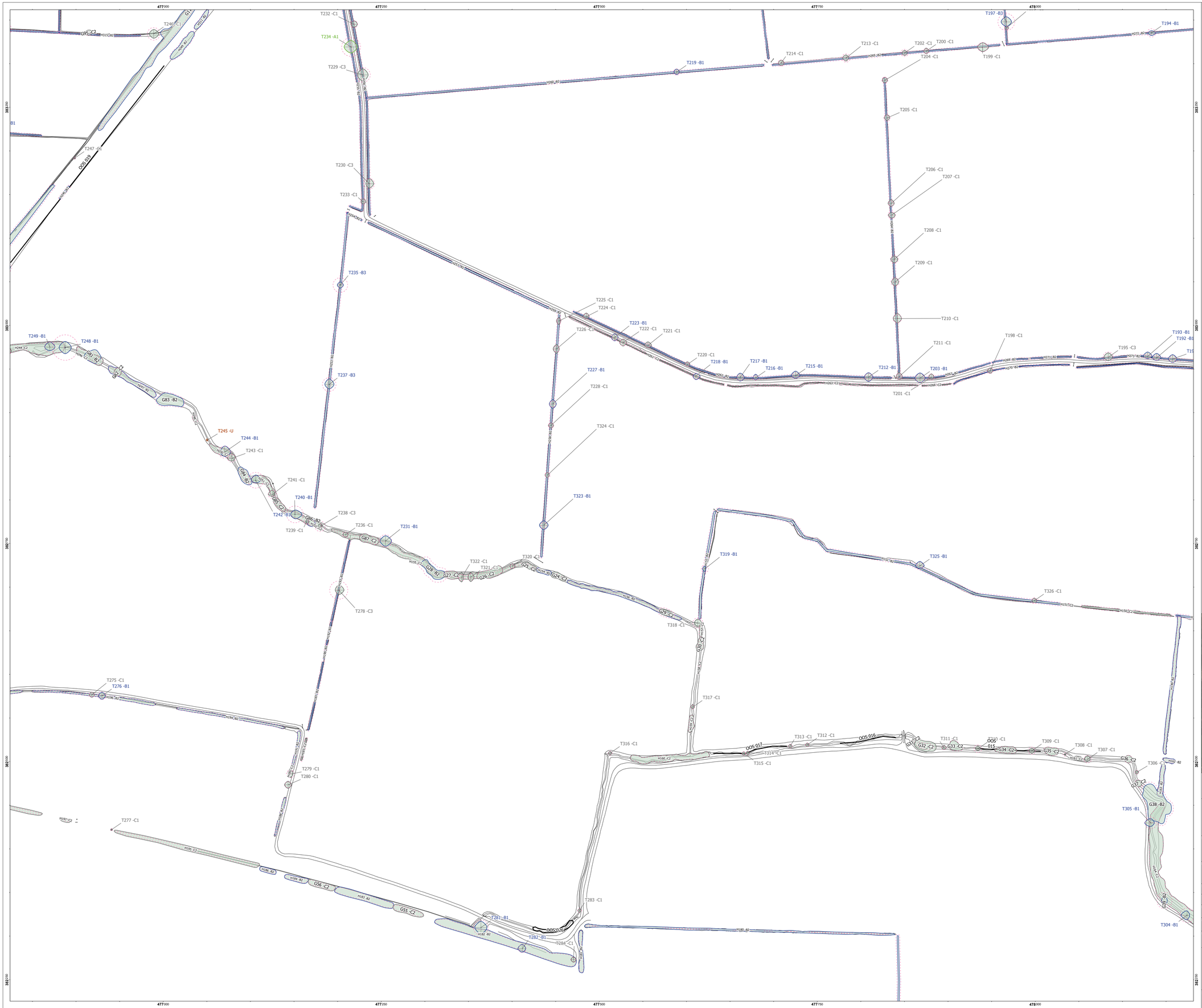

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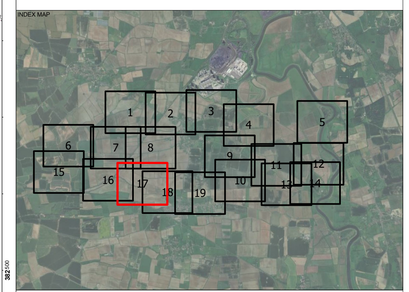

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DB	**IH**	**B**	**17 of 19**	**24/04/2025**	

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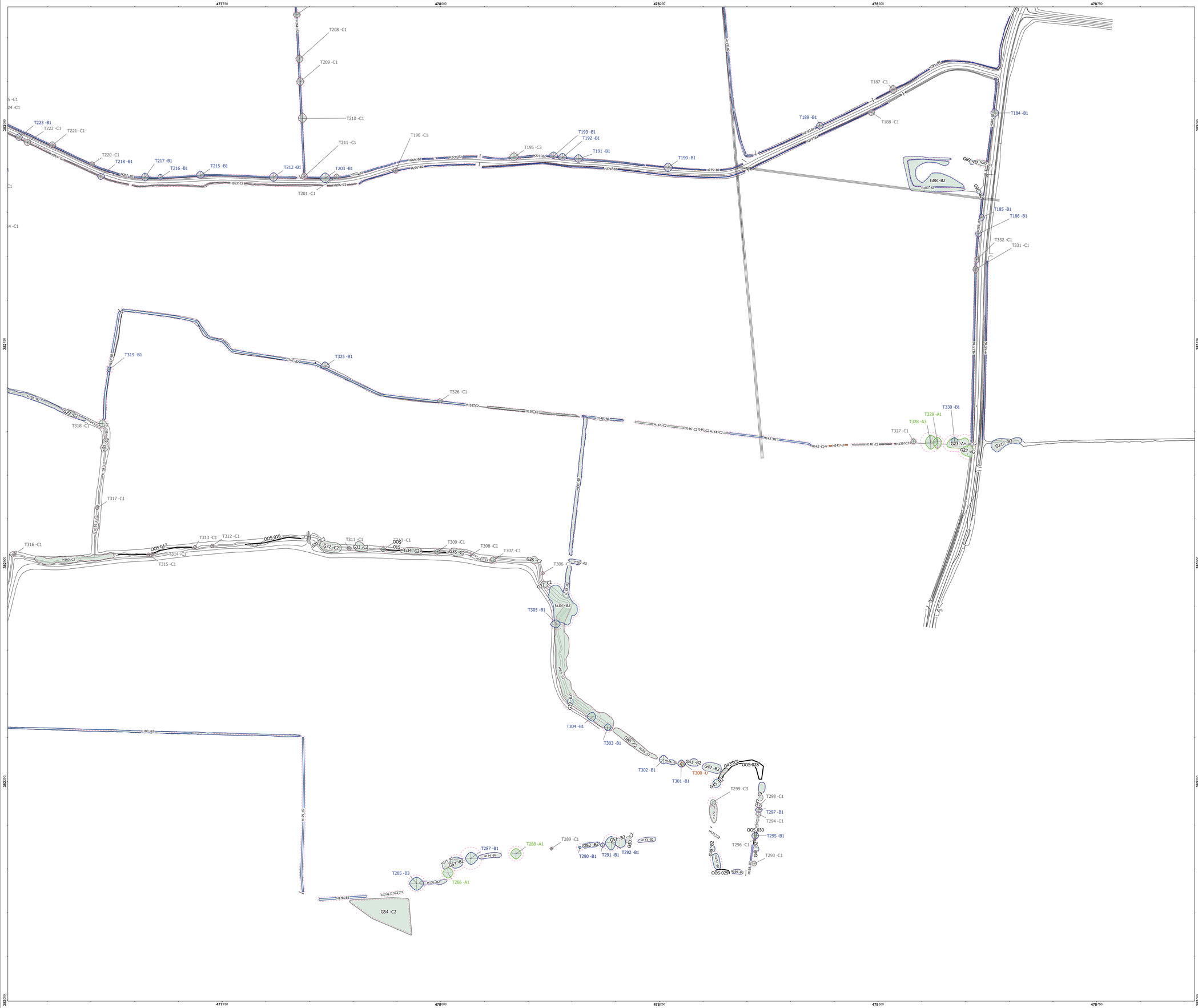

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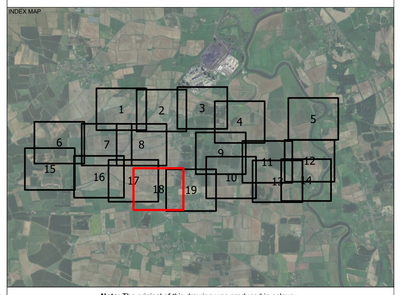

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enquiries@barton-hyett.co.uk

KEY

- Category A Tree - High quality (Retention highly desirable)
- Category A - Hedgerow, Group, Woodland - High quality (Retention highly desirable)
- Category B Tree - Moderate quality (Retention desirable)
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Statutory Protection

Tree Preservation Order (TPO): Trees under statutory protection.
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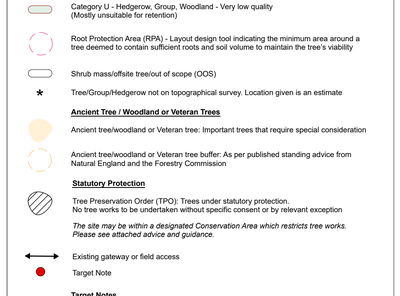
The site may be within a designated Conservation Area which restricts tree works. Please see attached advice and guidance.

- Existing gateway or field access
- Target Note

Target Notes

Label	Description
TN1	3m gap, filled with hay bails
TN2	1m gap
TN3	2m gap
TN4	1m gap
TN5	Public byway access
TN6	9m metal pole barricade
TN7	Existing farm track through hedgerow
TN8	Existing farm track through hedgerow
TN9	Existing farm track through hedgerow
TN10	Existing farm track through hedgerow
TN11	Existing farm track through hedgerow
TN12	Existing farm track through hedgerow
TN13	Oak trees within the hedgerow are set back from site redline beyond RPAs
TN14	Oak trees within the hedgerow are set back from site redline beyond RPAs
TN15	Existing compacted earth and stone track
TN16	Existing farm track through hedgerow
TN17	Existing farm track through hedgerow
TN18	Existing farm track through hedgerow
TN19	Existing farm track through hedgerow

INDEX MAP



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N
GRID NORTH

0 37.5 75 150 Meters

PROJECT TITLE

Steeple Solar Farm Limited (5343)

DRAWING TITLE

Tree Survey Plan

SCALE			DRAWING NUMBER
Scale: 1:2,000 @ A1			**BHA_5343_01**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**IH**	**B**	**19 of 19**	**24/04/2025**

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

CLIENT: **RES**

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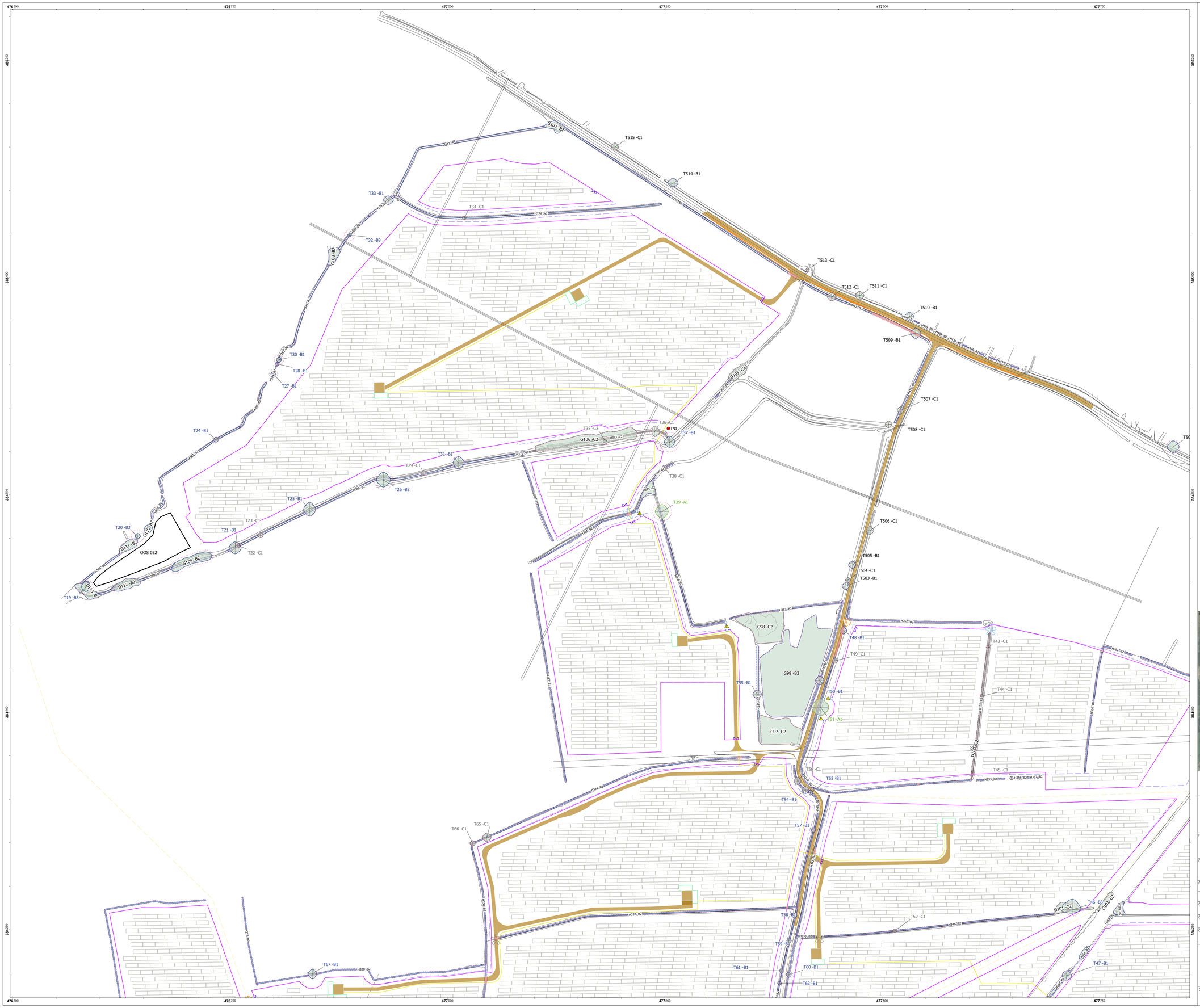

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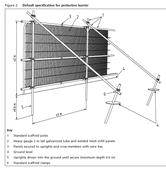

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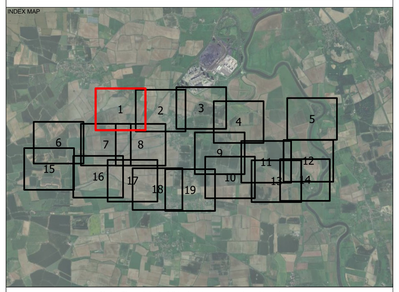

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PROJECT TITLE

Steeple Solar Farm Limited (5343)

DRAWING TITLE

Tree Retention and Removal Plan

SCALE			DRAWING NUMBER
Scale: 1:2,000 @ A1			**BHA_4352_03**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**IH**	-	**1 of 19**	**28/04/2025**	

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

CLIENT: **RES**

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477750
478000
478250
478500
478750
385250
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384750
384500
384250
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T388 -B1
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H18 -B2
H19 -B2
H20 -B2

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385250 385000 384750 384500 384250

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H52 -B2 H51 -B2 H50 -B2 H49 -B2 H48 -B2 H47 -B2 H46 -B2 H45 -B2 H44 -B2 H43 -B2 H42 -B2 H41 -B2 H40 -B2 H39 -B2 H38 -B2 H37 -B2 H36 -B2 H35 -B2 H34 -B2 H33 -B2 H32 -B2 H31 -B2 H30 -B2 H29 -B2 H28 -B2 H27 -B2 H26 -B2 H25 -B2 H24 -B2 H23 -B2 H22 -B2 H21 -B2 H20 -B2 H19 -B2 H18 -B2 H17 -B2 H16 -B2 H15 -B2 H14 -B2 H13 -B2 H12 -B2 H11 -B2 H10 -B2 H9 -B2 H8 -B2 H7 -B2 H6 -B2 H5 -B2 H4 -B2 H3 -B2 H2 -B2 H1 -B2

POND 024 POND 025

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Protection Measures

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- Target Note

Target Notes

Label	Description
TN1	HDD launch and receiver pits to be sited outside of RPAs
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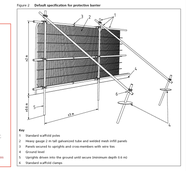
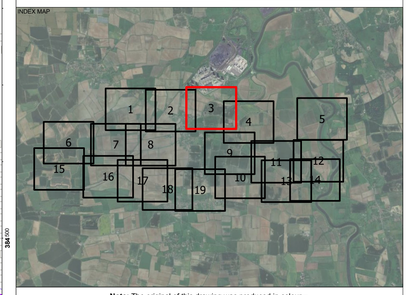
Tree Protection Barrier - Barrier to be erected prior to the commencement of works on site and not to be altered or removed until works are complete (cross check with specific requirements of any relevant planning conditions).

Figure 2 **Default specification for protective barrier**



INDEX MAP



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N
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0 37.5 75 150 Meters

PROJECT TITLE

Steeple Solar Farm Limited (5343)

DRAWING TITLE

Tree Retention and Removal Plan

SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			**BHA_4352_03**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**IH**	**-**	**3 of 19**	**28/04/2025**

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

CLIENT: **RES**

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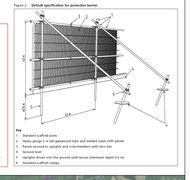

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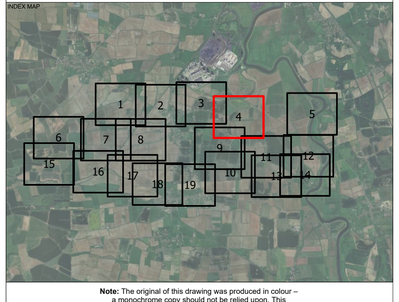

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DB	**IH**	-	**4 of 19**	**28/04/2025**

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

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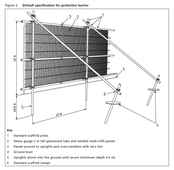

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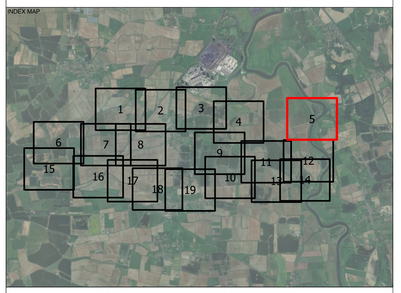

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DRAWING TITLE

Tree Retention and Removal Plan

SCALE			DRAWING NUMBER
Scale: 1:2,000 @ A1			**BHA_4352_03**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**IH**	-	**5 of 19**	**28/04/2025**

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

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475000 475250 475500 475750 476000

384250 384000 383750 383500

T15 -C1
T17 -C1
G114 -C2
T14 -C1
T13 -B1
T18 -C1
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T10 -C1
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T4 -C1
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T8 -C1
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T6 -B1
T2 -C1
T5 -C1
G115 -B2
G116 -B2
OOS 001
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OOS 004
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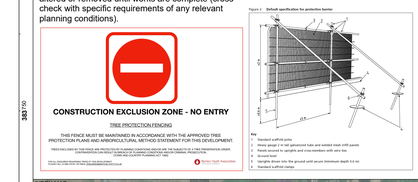
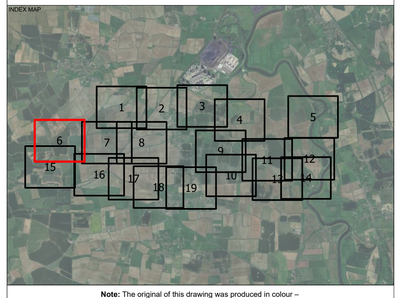


Figure 2 Default specification for protection barrier

INDEX MAP



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Tree Retention and Removal Plan

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Scale: 1:2,000 @ A1				**BHA_4352_03**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**IH**	**-**	**6 of 19**	**28/04/2025**	

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enquiries@barton-hyett.co.uk

476250 476500 476750 477000 477250

384250 384000 383750 383500 383250

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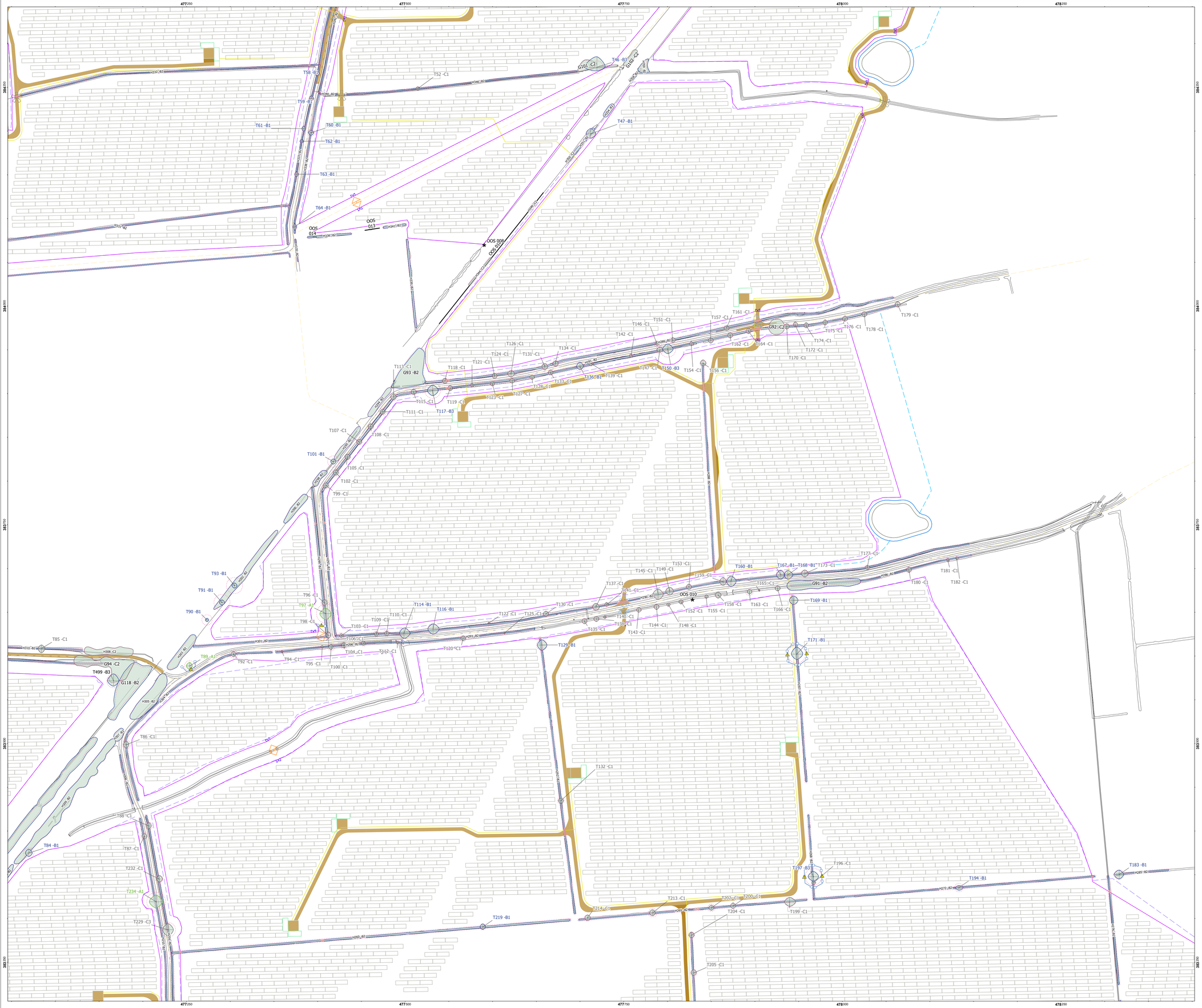

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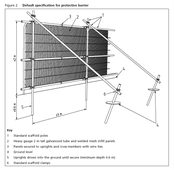
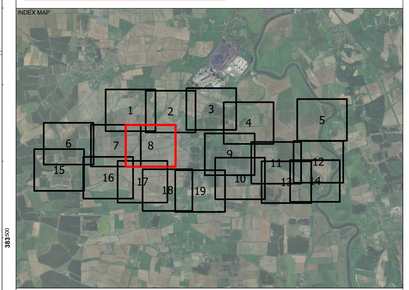


INDEX MAP



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0 37.5 75 150 Meters

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Scale: 1:2,000 @ A1			**BHA_4352_03**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**IH**	-	**8 of 19**	**28/04/2025**

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

CLIENT: **RES**

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384000 383750 383500 383250 383000

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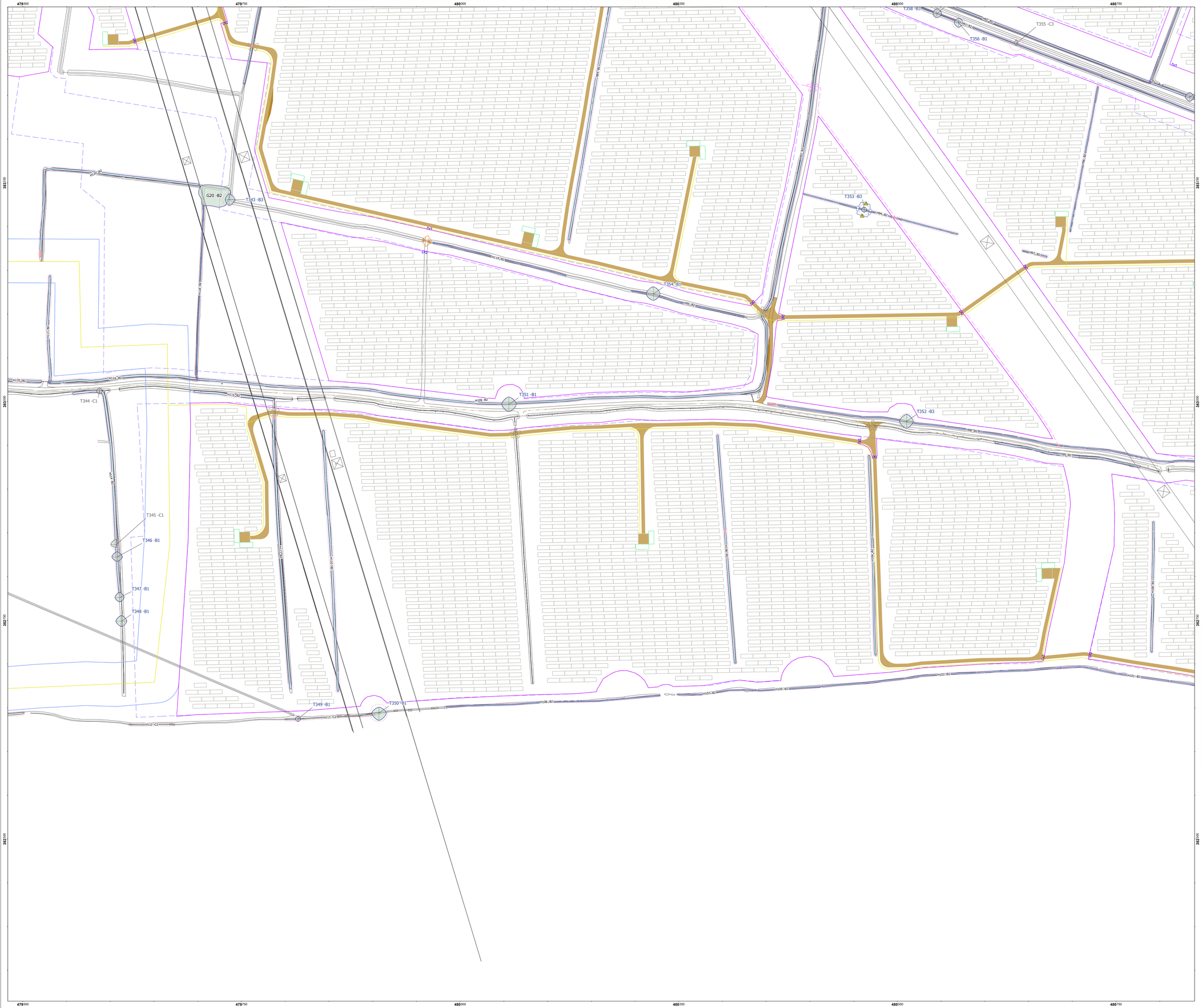

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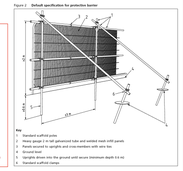
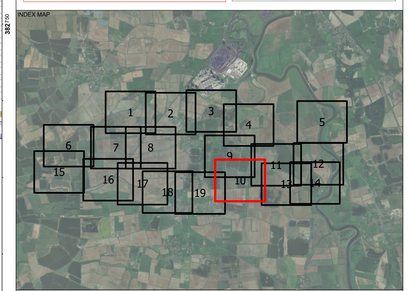


INDEX MAP



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DB	IH	-	10 of 19	28/04/2025

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

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480500 480750 481000 481250 481500 481750

383750 383500 383250

T401 -B1
H40_B2
H39_B2
T402 -A3
H38_B2
T359 -B1
T403 -A1
T404 -B1
H33_B2
T357 -B1
T358 -B1
H32_B2
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T355 -C3
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T405 -B1
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G14 -A2
W1 -B2
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H31_B2
H24_B2
T413 -B1
T414 -C1
T421 -B1
T422 -C1
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T420 -B1
T352 -B3
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T415 -A1
T418 -B1
T419 -C1
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T432 -B3
T431 -B3
T430 -B3
H19_B2

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CONSTRUCTION EXCLUSION ZONE - NO ENTRY

TREE PROTECTION FENCING

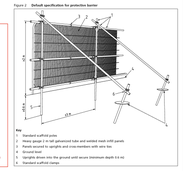
THIS FENCE MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED TREE PROTECTION PLANS AND ARBORICULTURAL METHOD STATEMENT FOR THIS DEVELOPMENT.

TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITION AND/OR ARE THE SUBJECT OF A TREE PRESERVATION ORDER. CONSTRUCTION ACTIVITY IS STRICTLY PROHIBITED WITHIN THIS AREA UNLESS EXPRESSLY PERMITTED BY THE LOCAL PLANNING AUTHORITY.

FOR ALL ENQUIRIES REGARDING WORKS IN THIS ENCLOSURE PLEASE CONTACT THE SITE MANAGER/ARBORICULTURAL CONSULTANT

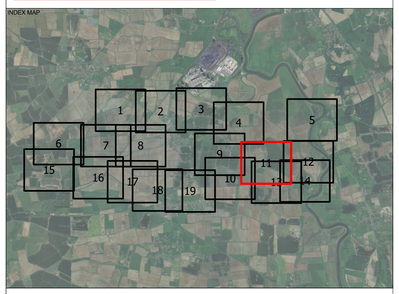
Barton Hyett Associates

Figure 2 **Default specification for protection barrier**



Key
1. Standard scaffold poles
2. Weldy gauge 2 m tall galvanized tube and welded mesh infill panels
3. Braces secured to uprights and cross-members with wire ties
4. Ground level
5. Uprights driven into the ground until secure (minimum depth 0.6 m)
6. Standard scaffold clamps

INDEX MAP



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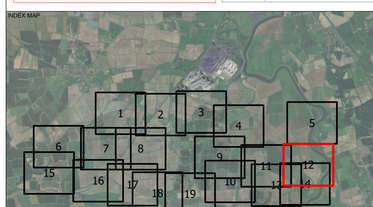

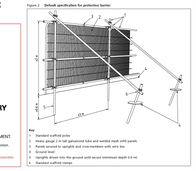

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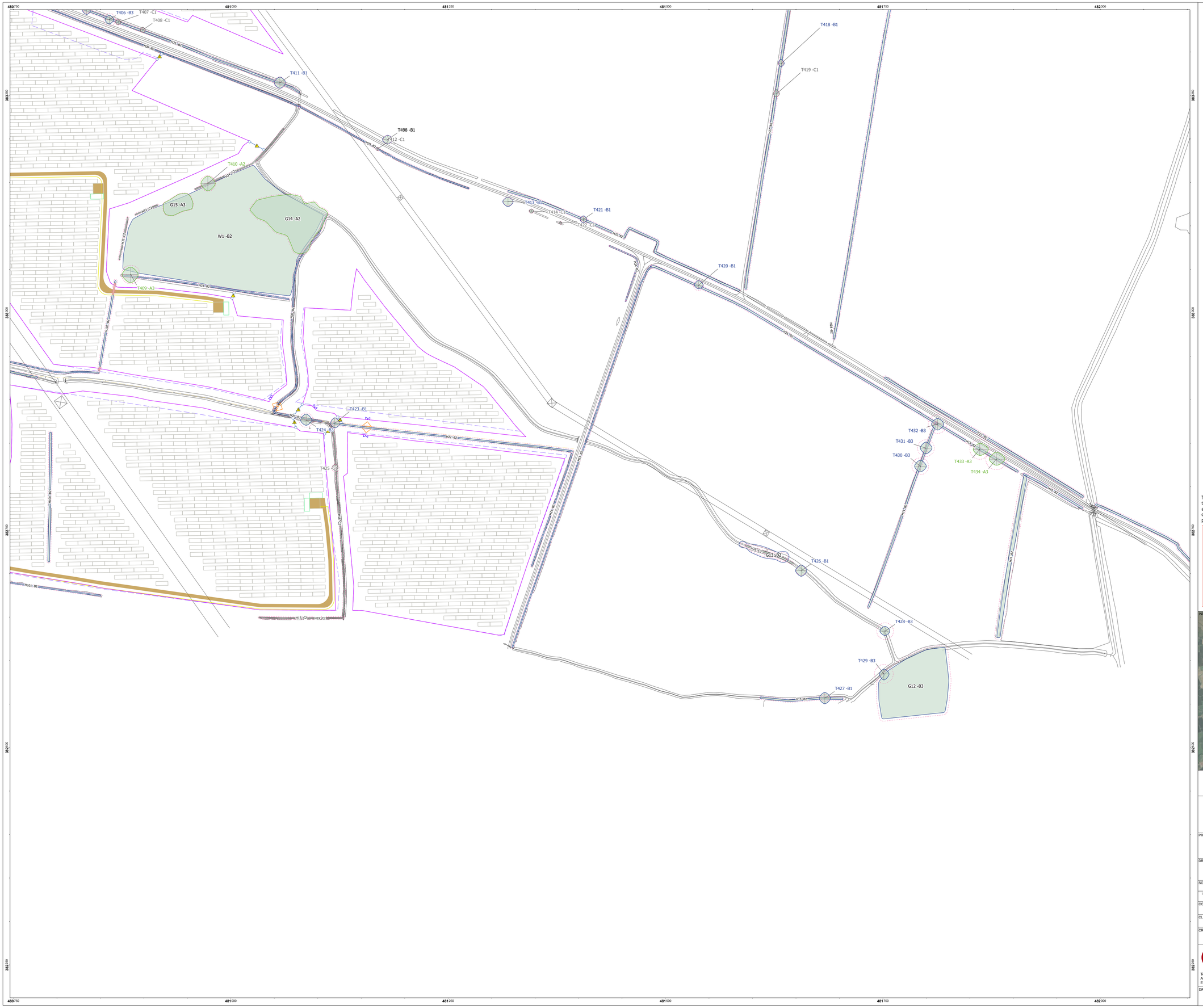
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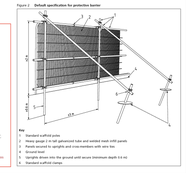

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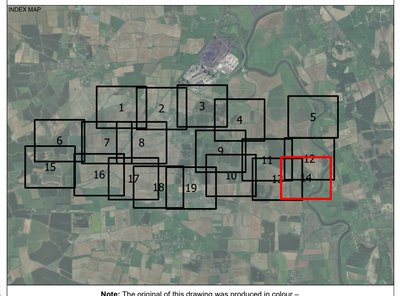

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N
GRID NORTH

0 37.5 75 150 Meters

PROJECT TITLE

Steeple Solar Farm Limited (5343)

DRAWING TITLE

Tree Retention and Removal Plan

SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	**BHA_4352_03**

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**IH**	**-**	**14 of 19**	**28/04/2025**

COORDINATE SYSTEM / DATUM: **British National Grid / Newlyn Datum (AOD)**

CLIENT: **RES**

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Eckington, Pershore, Worcestershire, WR10 3DN

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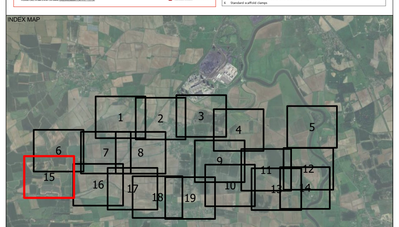

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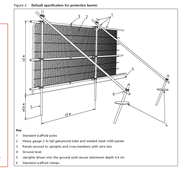

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476000 476250 476500 476750 477000

383250 383000 382750 382500

T74 -C1 T75 -C1 T76 -B1 T77 -C1 T78 -A1 T84 -B1 T188 -C1 T87 -C1 T232 -C1 T234 -A1 T229 -C3 T250 -B1 T247 -C1 T230 -C3 T233 -C1 T235 -B3 T237 -B3 T238 -G3 T236 -C1 T278 -C3 T246 -C1 T245 -U T244 -B1 T243 -C1 T241 -C1 T240 -B1 T242 -B1 T239 -C1 T249 -B1 T248 -B1 T251 -C1 T252 -B3 T253 -B1 T254 -C1 T255 -C1 T256 -C1 T257 -C1 T258 -B1 T269 -B1 T268 -B3 T271 -C1 T272 -C1 T273 -C1 T274 -C1 T275 -C1 T276 -B1 T277 -C1 T279 -C1 T280 -C1

G95 -C2 G10 -B2 G80 -B2 G83 -B2 G84 -B2 G85 -C2 G86 -B2 G87 -C2 G75 -B2 G77 -C2 G78 -B2 G79 -C2 G71 -B2 G76 -B2 G74 -C2 G73 -C2 G72 -C2 G70 -B2 G68 -B2 G61 -B2 G69 -C2 G58 -C2 G57 -C2 G59 -C2 G60 -C2 G56 -C2

OOS 009 OOS 020 OOS 007 OOS 019 OOS 031 OOS 027

TN2

H322 -B2 H317 -B2 H320 -B2 H321 -C2 H318 -B2 H315 -B2 H319 -B2 H316 -B2 H314 -B2 H313 -B2 H312 -B2 H311 -C2 H310 -C2 H309 -B2 H308 -B2 H207 -B2 H206 -B2 H205 -C2 H204 -B2 H203 -C2 H202 -C2 H201 -C2 H200 -C2 H199 -C2 H198 -B2 H197 -C2 H196 -B2 H195 -C2 H194 -C2 H193 -B2 H192 -C2 H191 -B2 H190 -C2 H189 -C2 H187 -C2 H186 -B2 H185 -C2 H184 -B2 H183 -B2 H182 -C2 H181 -C2 H180 -C2 H179 -C2 H178 -C2 H177 -C2 H176 -C2 H175 -C2 H174 -C2 H173 -C2 H172 -C2 H171 -C2 H170 -C2 H169 -C2 H168 -C2 H167 -C2 H166 -C2 H165 -C2 H164 -C2 H163 -C2 H162 -C2 H161 -C2 H160 -C2 H159 -C2 H158 -C2 H157 -C2 H156 -C2 H155 -C2 H154 -C2 H153 -C2 H152 -C2 H151 -C2 H150 -C2 H149 -C2 H148 -C2 H147 -C2 H146 -C2 H145 -C2 H144 -C2 H143 -C2 H142 -C2 H141 -C2 H140 -C2 H139 -C2 H138 -C2 H137 -C2 H136 -C2 H135 -C2 H134 -C2 H133 -C2 H132 -C2 H131 -C2 H130 -C2 H129 -C2 H128 -C2 H127 -C2 H126 -C2 H125 -C2 H124 -C2 H123 -C2 H122 -C2 H121 -C2 H120 -C2 H119 -C2 H118 -C2 H117 -B2 H116 -C2 H115 -C2 H114 -C2 H113 -C2 H112 -C2 H111 -C2 H110 -C2 H109 -C2 H108 -C2 H107 -C2 H106 -C2 H105 -C2 H104 -C2 H103 -C2 H102 -C2 H101 -C2 H100 -C2 H099 -C2 H098 -C2 H097 -C2 H096 -C2 H095 -C2 H094 -C2 H093 -C2 H092 -C2 H091 -C2 H090 -C2 H089 -C2 H088 -C2 H087 -C2 H086 -C2 H085 -C2 H084 -C2 H083 -C2 H082 -C2 H081 -C2 H080 -C2 H079 -C2 H078 -C2 H077 -C2 H076 -C2 H075 -C2 H074 -C2 H073 -C2 H072 -C2 H071 -C2 H070 -C2 H069 -C2 H068 -C2 H067 -C2 H066 -C2 H065 -C2 H064 -C2 H063 -C2 H062 -C2 H061 -C2 H060 -C2 H059 -C2 H058 -C2 H057 -C2 H056 -C2 H055 -C2 H054 -C2 H053 -C2 H052 -C2 H051 -C2 H050 -C2 H049 -C2 H048 -C2 H047 -C2 H046 -C2 H045 -C2 H044 -C2 H043 -C2 H042 -C2 H041 -C2 H040 -C2 H039 -C2 H038 -C2 H037 -C2 H036 -C2 H035 -C2 H034 -C2 H033 -C2 H032 -C2 H031 -C2 H030 -C2 H029 -C2 H028 -C2 H027 -C2 H026 -C2 H025 -C2 H024 -C2 H023 -C2 H022 -C2 H021 -C2 H020 -C2 H019 -C2 H018 -C2 H017 -B2 H016 -C2 H015 -C2 H014 -C2 H013 -C2 H012 -C2 H011 -C2 H010 -C2 H009 -C2 H008 -C2 H007 -C2 H006 -C2 H005 -C2 H004 -C2 H003 -C2 H002 -C2 H001 -C2

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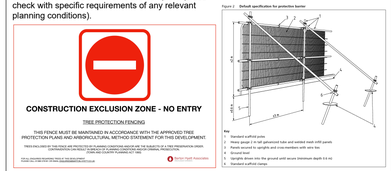

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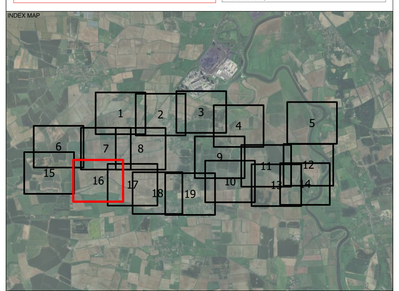

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Steeple Solar Farm Limited (5343)

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SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			BHA_4352_03	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	IH	-	16 of 19	28/04/2025

COORDINATE SYSTEM / DATUM: British National Grid / Newlyn Datum (AOD)

CLIENT: RES

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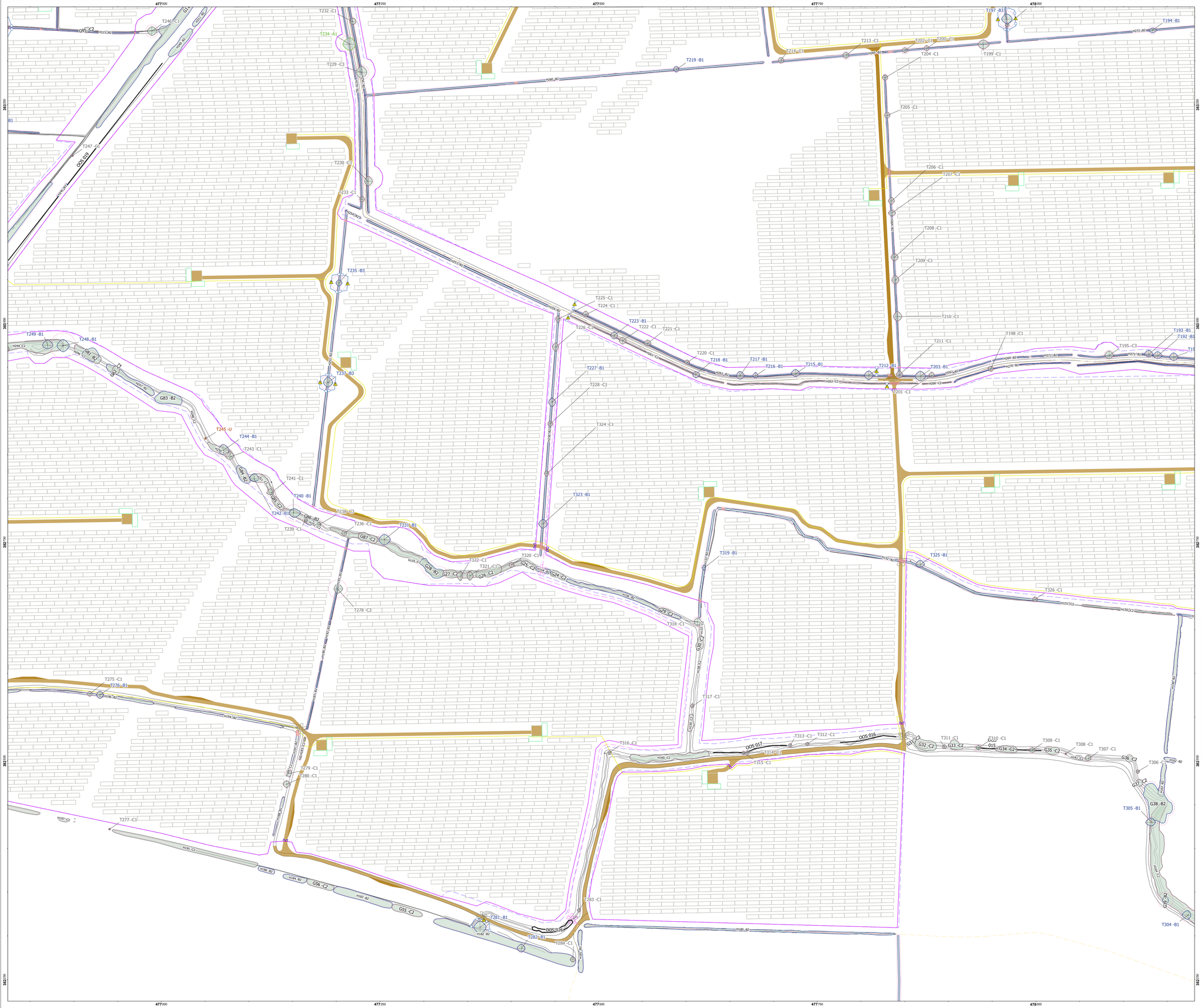

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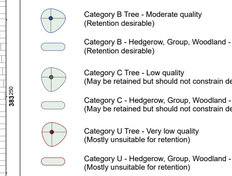

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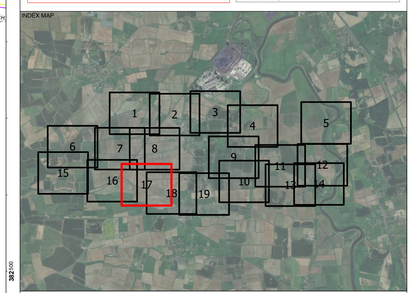

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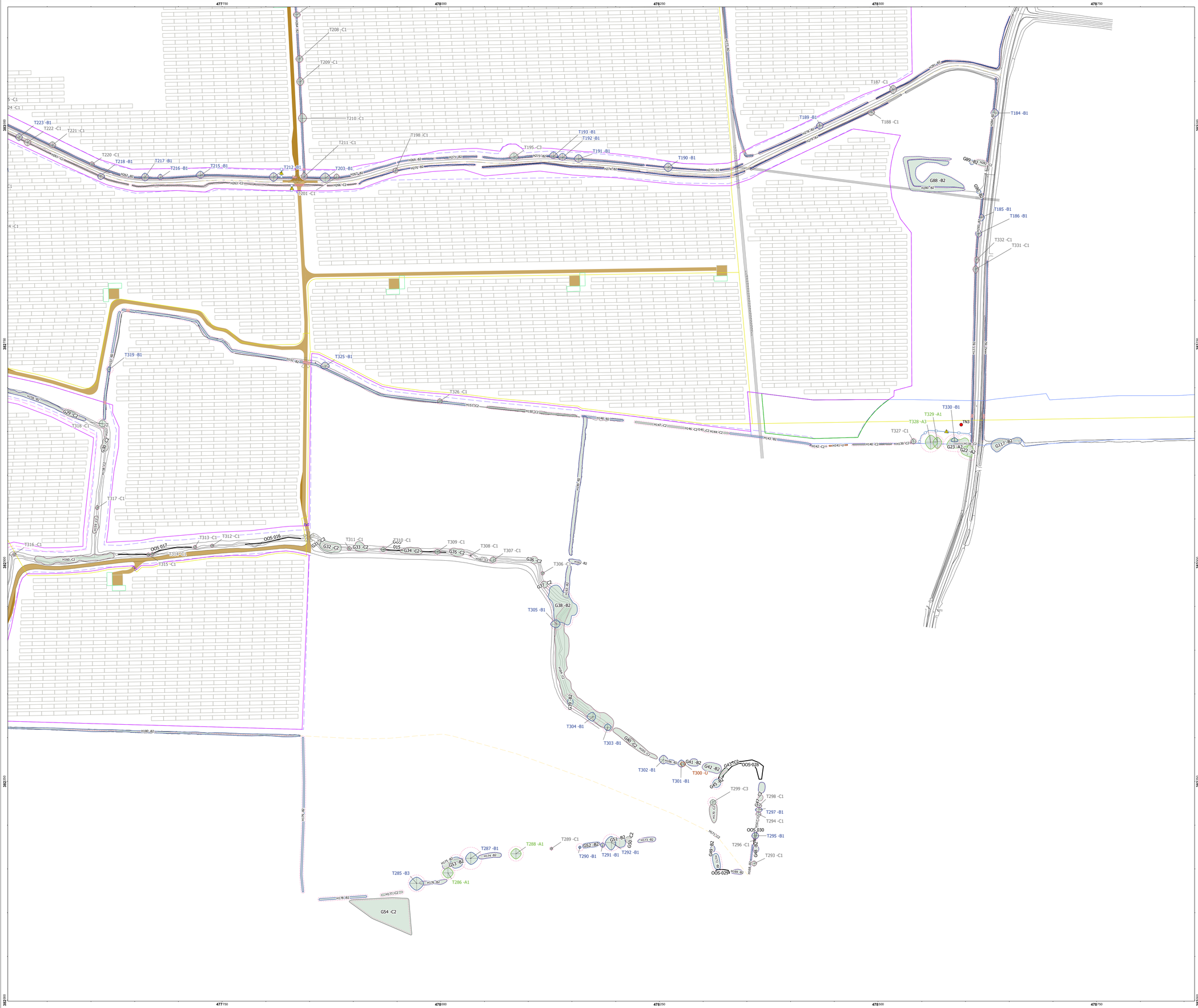

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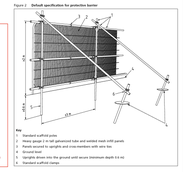

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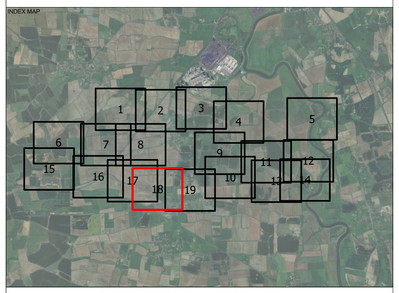

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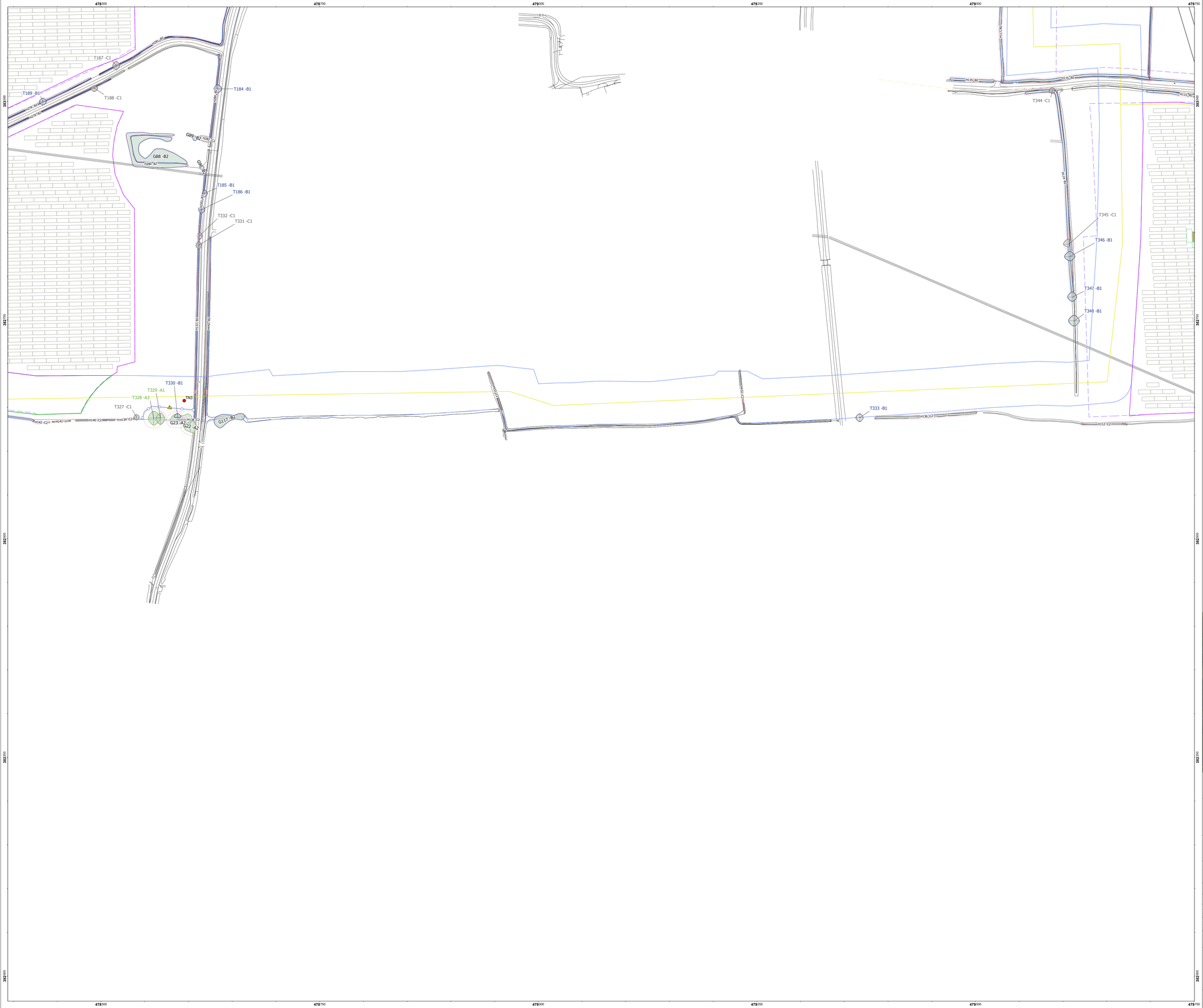

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CONSTRUCTION EXCLUSION ZONE - NO ENTRY

TREE PROTECTION FENCING

THIS FENCE MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED TREE PROTECTION PLANS AND ARBORICULTURAL METHOD STATEMENT FOR THIS DEVELOPMENT.

THESE WELL-ESTABLISHED TREES ARE PROTECTED BY A TREE PRESERVATION ORDER AND ARE THE SUBJECT OF A TREE PRESERVATION ORDER. CONTRAVENTION OF THIS POLICY IS AN OFFENCE UNDER THE TOWN AND COUNTRY PLANNING ACT 1990.

FOR ALL ENQUIRIES RELATING TO THIS TREE PROTECTION FENCING PLEASE CONTACT THE PLANNING OFFICE

Barton Hyett Associates

Figure 2 **Default specification for protective barrier**

2m
0.6m
2.4m
0.6m
0.6m
0.6

Tree Ref	Species	Height (m)	LifeStage	RPA Radius (m)	RPA (m2)
T1	Ash (Common)	10	M	7.2	163
T2	Ash (Common)	12	M	3.8	46
T3	Oak (English)	14	M	10.2	327
T4	Ash (Common)	12	EM	5	80
T5	Ash (Common)	10	EM	3.6	41
T6	Ash (Common)	15	M	7.1	157
T7	Ash (Common)	15	M	6.7	142
T8	Ash (Common)	7	SM	1.3	5
T9	Ash (Common)	10	EM	3	28
T10	Ash (Common)	10	M	5.4	92
T11	Maple (Field)	10	EM	4.5	65
T12	Hawthorn	9	EM	3.7	43
T13	Maple (Field)	8	EM	5.5	96
T14	Ash (Common)	10	EM	5.6	100
T15	Hawthorn	6	M	3.5	38
T16	Ash (Common)	11	EM	7.2	163
T17	Ash (Common)	12	M	6	113
T18	Ash (Common)	9	EM	5.4	92
T19	Ash (Common)	11	M	8.4	222
T20	Ash (Common)	11	M	7.2	163
T21	Ash (Common)	11	M	4.4	62
T22	Maple (Field)	7	M	2	13
T23	Ash (Common)	7	EM	3	28
T24	Ash (Common)	9	M	2.8	24
T25	Ash (Common)	13	M	6.6	137
T26	Ash (Common)	16	M	10.8	366
T27	Ash (Common)	10	M	4.9	76
T28	Hawthorn	10	M	2.6	22
T29	Ash (Common)	9	EM	2.8	22
T30	Ash (Common)	9	M	5.5	96
T31	Ash (Common)	13	M	7.2	163
T32	Oak (English)	10	M	6	113
T33	Ash (Common)	10	M	4.7	69
T34	Ash (Common)	7	EM	2.5	20
T35	Ash (Common)	9	M	4.8	72
T36	Ash (Common)	9	EM	5.8	104
T37	Ash (Common)	10	EM	11.2	391
T38	Ash (Common)	7	EM	3	28
T39	Oak (English)	14	M	10.8	366
T40	Ash (Common)	10	EM	4.8	72
T41	Ash (Common)	10	EM	4.8	72
T42	Ash (Common)	12	EM	5.4	92
T43	Ash (Common)	7	EM	2.6	22
T44	Ash (Common)	7	EM	2.6	22
T45	Ash (Common)	8	SM	2.2	15
T46	Willow (Crack)	13	LM	7.3	168
T47	Oak (English)	12	SM	5.4	92
T48	Maple (Field)	7	EM	3	28
T49	Ash (Common)	7	EM	2.6	22
T50	Ash (Common)	12	EM	4.2	55
T51	Oak (English)	16	M	9.6	290
T52	Ash (Common)	7	SM	2.2	15
T53	Ash (Common)	11	EM	2	13
T54	Ash (Common)	12	EM	2.6	22
T55	Ash (Common)	9	EM	4.9	76
T56	Ash (Common)	12	EM	2.9	26
T57	Maple (Field)	7	EM	2.5	20
T58	Maple (Field)	6	EM	1.8	10
T59	Ash (Common)	9	EM	2.6	22
T60	Ash (Common)	9	EM	4.1	52
T61	Maple (Field)	7	EM	2.5	20
T62	Ash (Common)	9	EM	2.4	18
T63	Maple (Field)	7	EM	2.3	16
T64	Cherry (Wild)	7	EM	2.5	20
T65	Ash (Common)	7	EM	3.6	41
T66	Ash (Common)	7	EM	3.2	33
T67	Oak (English)	8	M	6	113
T68	Oak (English)	10	EM	4.7	69
T69	Ash (Common)	8	EM	2.6	22
T70	Ash (Common)	6	EM	2.6	22
T71	Oak (English)	4	M	2.4	18
T72	Oak (English)	16	M	10.8	366
T73	Oak (English)	16	M	9	254
T74	Ash (Common)	13	M	4.8	72
T75	Ash (Common)	12	EM	3.6	41
T76	Oak (English)	11	M	8.2	209
T77	Ash (Common)	6	EM	6	113
T78	Willow (Crack)	16	M	10.3	335
T79	Elm (Wych)	5	EM	2.2	15
T80	Ash (Common)	10	EM	3.6	41
T81	Elm (Wych)	7	EM	2.4	18
T82	Elm (Wych)	5	EM	2	12
T83	Oak (English)	16	M	9	254
T84	Ash (Common)	12	SM	5.9	109
T85	Ash (Common)	10	EM	3.3	35
T86	Oak (English)	8	SM	4.8	72
T87	Ash (Common)	12	SM	4.2	55
T88	Ash (Common)	10	SM	4.2	55
T89	Apple	10	M	6	113
T90	Hawthorn	6	SM	5.9	109
T91	Ash (Common)	10	SM	9.2	268
T92	Maple (Norway)	9	SM	4.5	65
T93	Ash (Common)	10	SM	9.2	268
T94	Beech (Common)	5	Y	1.5	7
T95	Lime (Common)	5	Y	1.8	10
T96	Ash (Common)	10	SM	4.2	55
T97	Oak (English)	16	M	10.8	366
T98	Ash (Common)	8	SM	4.2	55
T99	Maple (Norway)	8	SM	4.2	55
T100	Ash (Common)	12	SM	4.2	55
T101	Elm (English)	10	SM	6.5	132
T102	Maple (Norway)	10	SM	4.2	55
T103	Chestnut (Horse)	6.5	SM	3.6	41
T104	Ash (Common)	12	SM	4.2	55
T105	Maple (Norway)	10	SM	3.6	41
T106	Ash (Common)	10	SM	3	28
T107	Maple (Norway)	10	SM	3.6	41
T108	Maple (Norway)	9	SM	3.6	41
T109	Chestnut (Horse)	7	SM	3.6	41
T110	Oak (English)	6	SM	3.6	41
T111	Maple (Norway)	10	SM	4.2	55
T112	Beech (Common)	7	Y	1.8	10
T113	Maple (Norway)	12	SM	4.2	55
T114	Ash (Common)	14	SM	6	113
T115	Maple (Norway)	8	SM	3.6	41
T116	Ash (Common)	13	SM	6	113
T117	Ash (Common)	15	M	9	254
T118	Ash (Common)	7	SM	3.3	35
T119	Maple (Norway)	7.5	SM	3	28
T120	Beech (Common)	7	SM	3.6	41
T121	Maple (Norway)	4.5	SM	1.8	10
T122	Oak (English)	5	Y	1.3	5
T123	Maple (Norway)	6.5	SM	2.6	22
T124	Ash (Common)	6.5	SM	3	28
T125	Rowan	5	Y	1.3	5
T126	Ash (Common)	8	SM	3.6	41
T127	Maple (Norway)	6	SM	2.4	18
T128	Maple (Norway)	6.5	SM	2.4	18
T129	Ash (Common)	12	EM	6	113

Tree Ref	Species	Height (m)	LifeStage	RPA Radius (m)	RPA (m2)
T130	Lime (Common)	8	SM	3.5	38
T131	Ash (Common)	8	SM	3.6	41
T132	Ash (Common)	9	SM	3.8	46
T133	Maple (Norway)	8	SM	3	28
T134	Ash (Common)	8	SM	3.6	41
T135	Ash (Common)	10	SM	3	28
T136	Oak (English)	8	SM	5.4	92
T137	Ash (Common)	12	SM	4.2	55
T138	Maple (Field)	9	SM	2.4	18
T139	Maple (Norway)	4.5	SM	1.8	10
T140	Beech (Copper)	8	Y	2.2	15
T141	Chestnut (Horse)	6.5	SM	1.8	10
T142	Maple (Norway)	4.5	SM	1.5	7
T143	Beech (Common)	8	Y	2.4	18
T144	Lime (Common)	8	Y	2.4	18
T145	Ash (Common)	15	SM	5.4	92
T146	Ash (Common)	8	SM	3.3	35
T147	Oak (English)	7.5	SM	4.5	65
T148	Oak (English)	8	Y	1.8	10
T149	Ash (Common)	9	SM	4.5	65
T150	Ash (Common)	14	M	9	254
T151	Ash (Common)	9	SM	3.3	35
T152	Oak (English)	7	Y	1.8	10
T153	Elm (English)	9	SM	3.2	33
T154	Maple (Norway)	5.5	SM	1.8	10
T155	Larch (Common)	7	Y	1.8	10
T156	Ash (Common)	7	SM	3.6	41
T157	Maple (Norway)	5	SM	1.8	10
T158	Ash (Common)	8	SM	2.4	18
T159	Ash (Common)	9	SM	4.2	55
T160	Ash (Common)	14	SM	6	113
T161	Oak (English)	7	SM	3	28
T162	Maple (Norway)	6	SM	3	28
T163	Chestnut (Horse)	10	SM	4.2	55
T164	Maple (Norway)	7	SM	2.6	22
T165	Pine (Scots)	4	Y	0.8	2
T166	Oak (English)	12	SM	2.4	18
T167	Ash (Common)	12	SM	5.4	92
T168	Ash (Common)	13	SM	4.8	72
T169	Elm (English)	13	EM	4.8	72
T170	Maple (Norway)	8	SM	3.3	35
T171	Oak (English)	10	M	10.2	327
T172	Oak (English)	5.5	SM	2.6	22
T173	Ash (Common)	12	SM	4.2	55
T174	Maple (Norway)	7	SM	2.6	22
T175	Maple (Norway)	7	SM	2.4	18
T176	Maple (Norway)	6	SM	2.4	18
T177	Lime (Common)	7	SM	2.4	18
T178	Maple (Norway)	5	SM	1.8	10
T179	Oak (English)	8	SM	2.6	22
T180	Chestnut (Horse)	9	Y	3.6	41
T181	Chestnut (Horse)	8	Y	2.4	18
T182	Beech (Common)	6	Y	1.5	7
T183	Ash (Common)	13	SM	5.4	92
T184	Oak (English)	8	SM	3.9	49
T185	Ash (Common)	6	SM	2.6	22
T186	Ash (Common)	6	SM	3.9	49
T187	Ash (Common)	10	SM	3.3	35
T188	Ash (Common)	8	SM	3	28
T189	Ash (Common)	8	SM	3.3	35
T190	Ash (Common)	11	EM	3.8	46
T191	Ash (Common)	9	SM	3.8	46
T192	Ash (Common)	9	SM	3.2	33
T193	Ash (Common)	9	SM	3.2	33
T194	Elm (English)	10	EM	4.8	72
T195	Ash (Common)	8	M	6	113
T196	Ash (Common)	9	SM	2.2	15
T197	Ash (Common)	12	M	9.6	290
T198	Ash (Common)	8	SM	3.3	35
T199	Ash (Common)	13	SM	5.4	92
T200	Ash (Common)	9	SM	3	28
T201	Ash (Common)	9	SM	3.6	41
T202	Ash (Common)	8	SM	4.2	55
T203	Oak (English)	11	EM	4.8	72
T204	Ash (Common)	9	SM	3.5	38
T205	Ash (Common)	8	SM	3.8	46
T206	Ash (Common)	9	SM	3	28
T207	Ash (Common)	9	SM	4.2	55
T208	Oak (English)	8	SM	4.5	65
T209	Oak (English)	10	SM	4.8	72
T210	Oak (English)	10	SM	4.8	72
T211	Ash (Common)	7	SM	3.6	41
T212	Ash (Common)	10	SM	4.2	55
T213	Ash (Common)	10	SM	4.8	72
T214	Ash (Common)	9	SM	3.6	41
T215	Ash (Common)	9	SM	3.6	41
T216	Maple (Field)	5	SM	3	28
T217	Ash (Common)	9	SM	3.6	41
T218	Ash (Common)	10	SM	3.6	41
T219	Elm (English)	9	EM	3.6	41
T220	Ash (Common)	6	SM	2.4	18
T221	Ash (Common)	8	SM	2.4	18
T222	Ash (Common)	8	SM	3.6	41
T223	Ash (Common)	10	SM	3.6	41
T224	Ash (Common)	8	SM	3.3	35
T225	Ash (Common)	8	SM	2.6	22
T226	Ash (Common)	8	SM	3.3	35
T227	Ash (Common)	8	SM	3.6	41
T228	Ash (Common)	7	SM	3	28
T229	Ash (Common)	16	M	8.4	222
T230	Ash (Common)	9	EM	6	113
T231	Ash (Common)	16	M	7.2	163
T232	Ash (Common)	9	SM	4.2	55
T233	Ash (Common)	8	SM	3.6	41
T234	Oak (English)	16	M	10.8	366
T235	Ash (Common)	8	M	8.4	222
T236	Ash (Common)	9	EM	3	28
T237	Ash (Common)	14	M	7.8	191
T238	Hawthorn	8	LM	5.9	109
T239	Hawthorn	10	EM	3	28
T240	Ash (Common)	12	M	9.6	290
T241	Ash (Common)	13	EM	4.8	72
T242	Ash (Common)	14	M	9	254
T243	Willow (Crack)	13	LM	4.4	62
T244	Ash (Common)	16	M	6.8	147
T245	Hawthorn	4	M	2.2	15
T246	Ash (Common)	14	M	7.2	163
T247	Hawthorn	4	EM	1.3	5
T248	Willow (Crack)	14	M	14.6	673
T249	Ash (Common)	15	M	6	113
T250	Oak	9	M	4.8	72
T251	Ash (Common)	13	M	5.2	84
T252	Ash (Common)	18	M	9.6	290
T253	Ash (Common)	14	M	7.6	180
T254	Ash (Common)	9	SM	3	28
T255	Ash (Common)	7	EM	2.6	22
T256	Willow (Goat)	3	EM	2.2	15
T257	Maple (Field)	8	M	5.3	88
T258	Ash (Common)	18	M	9.7	297

Tree Ref	Species	Height (m)	LifeStage	RPA Radius (m)	RPA (m2)
T259	Hawthorn	8	M	4.5	65
T260	Hawthorn	8	M	4.1	52
T261	Hawthorn	8	M	4.1	52
T262	Hawthorn	8	M	5.4	92
T263	Ash (Common)	14	M	4.8	72
T264	Hawthorn	8	M	6.2	122
T265	Hawthorn	8	M	6	113
T266	Maple (Field)	17	M	8.4	222
T267	Ash (Common)	17	M	8.2	209
T268	Ash (Common)	16	M	11.4	408
T269	Oak (English)	5	SM	1.5	7
T270	Hawthorn	10	EM	1.8	10
T271	Birch (Silver)	6	M	1.3	5
T272	Oak (English)	5	SM	2.6	22
T273	Elder	3	M	2.2	15
T274	Blackthorn	5	M	1.5	7
T275	Ash (Common)	6	SM	2.8	24
T276	Ash (Common)	8	SM	4.5	65
T277	Ash (Common)	4	Y	1.3	5
T278	Ash (Common)	16	M	10.4	342
T279	Ash (Common)	8	SM	4.5	65
T280	Ash (Common)	8	SM	3.3	35
T281	Willow (Crack)	13	M	8.6	235
T282	Willow (Goat)	8	EM	4.4	62
T283	Willow (Crack)	4	SM	2.2	15
T284	Willow (Goat)	6	EM	2.2	15
T285	Ash (Common)	15	M	9.6	290
T286	Maple (Field)	14	M	7.6	191
T287	Ash (Common)	18	M	12.7	508
T288	Maple (Field)	12	M	8.4	222
T289	Rowan	5	SM	2	13
T290	Hawthorn	3	M	4.2	55
T291	Hawthorn	6	M	3	28
T292	Ash (Common)	18	M	9.6	290
T293	Beech (Common)	10	SM	2.4	18
T294	Cypress (Leyland)	12	SM	3	28
T295	Cherry (Wild)	10	M	4.2	55
T296	Elder	3	M	2.2	15
T297	Birch (Silver)	10	SM	3	28
T298	Cypress (Leyland)	10	SM	2.4	18
T299	Hawthorn	7	M	5.5	96
T300	Damson	7	M	1.3	5
T301	Maple (Field)	10	EM	3.6	41
T302	Ash (Common)	13	EM	4.2	55
T303	Ash (Common)	13	EM	5.8	104
T304	Ash (Common)	13	M	8.4	222
T305	Ash (Common)	13	M	6.6	137
T306	Hawthorn	3	M	2.2	15
T307	Ash (Common)	6	SM	4.3	59
T308	Elder	3	M	2.2	15
T309	Ash (Common)	6	SM	4.1	52
T310	Ash (Common)	6	SM	4.4	62
T311	Ash (Common)	7	SM	2.3	16
T312	Willow (Crack)	4	SM	2.2	15
T313	Willow (Crack)	4	SM	2.2	15
T314	Willow (Crack)	4	SM	2.2	15
T315	Willow (Crack)	4	SM	2.2	15
T316	Willow (Crack)	4	SM	2.2	15
T317	Willow (Crack)	6	SM	2.2	15
T318	Apple (Crab)	8	LM	5.8	104
T319	Maple (Field)	6	EM	4.2	55
T320	Ash (Common)	13	EM	2.5	20
T321	Ash (Common)	15	EM	3.6	41
T322	Ash (Common)	15	EM	3.6	41
T323	Ash (Common)	9	SM	3.6	41
T324	Ash (Common)	7	SM	3	28
T325	Ash (Common)	8	EM	3.8	46
T326	Ash (Common)	7	SM	3.3	35
T327	Ash (Common)	9	SM	3.7	43
T328	Ash (Common)	16	M	11.4	408
T329	Lime (Common)	14	M	6.6	137
T330	Lime (Common)	12	M	5.8	104
T331	Ash (Common)	6	SM	3.6	41
T332	Ash (Common)	6	SM	3.2	33
T333	Ash (Common)	12	EM	3.8	46
T334	Ash (Common)	7.5	SM	3.6	41
T335	Ash (Common)	7	SM	3	28
T336	Damson	4	EM	2	13
T337	Hawthorn	4	M	2.6	22
T338	Hawthorn	4	M	2.6	22
T339	Hawthorn	4	M	2.6	22
T340	Hawthorn	3.5	M	1.7	9
T341	Ash (Common)	8	EM	2.6	22
T342	Ash (Common)	13	M	10.6	350
T343	Ash (Common)	12	M	7.4	174
T344	Ash (Common)	7.5	SM	3.6	41
T345	Ash (Common)	15	M	6.2	122
T346	Ash (Common)	15	EM	4.5	65
T347	Ash (Common)	15	EM	4.1	52
T348	Ash (Common)	17	EM	5.4	92
T349	Hawthorn	6	EM	2.6	22
T350	Willow (Crack)	14	M	10	312
T351	Ash (Common)	18	M	8.2	209
T352	Ash (Common)	16	M	9	254
T353	Ash (Common)	7	M	6	113
T354	Oak (English)	16	M	7.4	174
T355	Ash (Common)	7	M	7.8	191
T356	Oak (English)	10	M	7.2	163
T357	Oak (English)	10	EM	4.5	65
T358	Ash (Common)	15	M	5.4	92
T359	Oak (English)	15	EM	5.4	92
T360	Oak (English)	10	EM	5	80
T361	Elm (English)	5	SM	2.2	15
T362	Chestnut (Horse)	5	SM	2.4	18
T363	Ash (Common)	6.5	SM	2.6	22
T364	Oak (English)	8	SM	3.3	35
T365	Willow (Crack)	3	M	10.2	327
T366	Elm (English)	7	SM	2.6	22
T367	Chestnut (Horse)	5	SM	2.4	18
T368	Ash (Common)	15	M	8.2	209
T369	Oak (English)	11	EM	5.3	88
T370	Ash (Common)	9	M	7.2	163
T371	Ash (Common)	17	M	7.2	163
T372	Oak (English)	16	M	9.4	275
T373	Oak (English)	19	M	12	452
T374	Ash (Common)	15	M	8.4	222
T375	Chestnut (Horse)	3.5	SM	2.2	15
T376	Chestnut (Horse)	4	SM	2.2	15
T377	Oak (English)	21	M	11	383
T378	Oak (English)	20	M	10.6	350
T379	Oak (English)	18	M	10.3	335
T380	Oak (English)	14	M	7.2	163
T381	Ash (Common)	12	EM	3.3	35
T382	Ash (Common)	5	SM	2.2	15
T383	Chestnut (Horse)	5	SM	2.2	15
T384	Ash (Common)	5	SM	2.2	15
T385	Chestnut (Horse)	5	SM	2.2	15
T386	Oak (English)	19	M	9.6	290
T387	Oak (English)	19	M	8.6	235

Tree Ref	Species	Height (m)	LifeStage	RPA Radius (m)	RPA (m2)
T388	Ash (Common)	17	EM	4.9	76
T389	Ash (Common)	15	EM	4.2	55
T390	Ash (Common)	15	EM	7	152
T391	Ash (Common)	16	M	5	80
T392	Ash (Common)	12	EM	3.3	35
T393	Ash (Common)	12	EM	3.6	41
T394	Ash (Common)	17	M	8	203
T395	Oak (English)	19	M	10.2	327
T396	Oak (English)	21	M	10.2	327
T397	Oak (English)	10	EM	4.5	65
T398	Willow (Crack)	3	M	10.2	327
T399	Ash (Common)	10	M	3.2	33
T400	Ash (Common)	14	M	6.2	122
T401	Ash (Common)	8.5	SM	4.1	52
T402	Oak (English)	19	M	10.6	350
T403	Oak (English)	19	M	10.6	350
T404	Oak (English)	12	M	5	80
T405	Oak (English)	9	EM	3.8	46
T406	Oak (English)	8	M	7.2	163
T407	Ash (Common)	7	EM	3.3	35
T408	Willow (Grey)	4.5	SM	2.4	18
T409	Ash (Common)	20	M	10.6	350
T410	Oak (English)	18	M	9	254
T411	Oak (English)	9	EM	6.6	137
T412	Ash (Common)	5	SM	1.6	8
T413	Oak (English)	7	EM	5	80
T414	Ash (Common)	7	SM	2.5	20
T415	Oak (English)	14	M	9	254
T416	Ash (Common)	16	M	10.2	327
T417	Ash (Common)	20	M	12.2	471
T418	Ash (Common)	8	SM	3	28
T419	Ash (Common)	8	SM	3	28
T420	Oak (English)	9	EM	5.8	104
T421	Oak (English)	7	SM	3.3	35
T422	Chestnut (Horse)	3	Y	1.8	10
T423	Ash (Common)	13	EM	5.4	92
T424	Ash (Common)	15	M	8.2	209
T425	Ash (Common)	11	EM	4.3	59
T426	Ash (Common)	17	EM	5.4	92
T427	Ash (Common)	16	EM	4.2	55
T428	Willow (Crack)	9	M	9.6	290
T429	Willow (Crack)	11	M	10.8	366
T430	Willow (Crack)	9	M	9.6	290
T431	Willow (Crack)	9	M	9.6	290
T432	Willow (Crack)	9	M	10.8	366
T433	Willow (Crack)	12	M	11.4	408
T434	Willow (Crack)	13	M	12	452
T435	Ash (Common)	18	M	10.8	366
T436	Ash (Common)	16	EM	4.2	55
T437	Ash (Common)	17	M	8.4	222
T438	Ash (Common)	11	SM	3.6	41
T439	Ash (Common)	18	M	11.8	434
T440	Ash (Common)	12	M	7	152
T441	Willow (Crack)	9	EM	5.2	84
T442	Ash (Common)	17	M	9.6	290
T443	Hawthorn	4	M	4.2	55
T444	Ash (Common)	11	EM	4.2	55
T445	Oak (English)	13	EM	3.6	41
T446	Ash (Common)	8	EM	3.9	49
T447	Ash (Common)	9	EM	4.2	55
T448	Oak (English)	15	M	8.2	209
T449	Ash (Common)	5	EM	2.4	18
T450	Ash (Common)	8	EM	4.3	59
T451	Hawthorn	2.5	EM	2.5	20
T452	Oak (English)	14	M	9	254
T453	Maple (Field)	6.5	EM	2	12
T454	Ash (Common)	10	EM	3.6	41
T455	Oak (English)	17	M	10.8	366
T456	Oak (English)	7	SM	3.9	49
T457	Willow (Grey)	3	EM	2.4	18
T458	Willow (Grey)	3	EM	2.4	18
T459	Hawthorn	3	SM	1.8	10
T460	Hawthorn	3	SM	1.8	10
T461	Willow (Grey)	3	EM	2.4	18
T462	Willow (Grey)	3	EM	2.4	18
T463	Willow (Grey)	3	EM	2.4	18
T464	Willow (Grey)	3	EM	2.4	18
T465	Willow (Grey)	3	EM	2.4	18
T466	Hawthorn	3	SM	1.8	10
T467	Hawthorn	3	SM	1.8	10
T468	Hawthorn	3	SM	1.8	10
T469	Hawthorn	3	SM	1.8	10
T470	Hawthorn	3	SM	1.8	10
T471	Hawthorn	3	SM	1.8	10
T472	Hawthorn	3	SM	1.8	10
T473	Hawthorn	3	SM	1.8	10
T474	Hawthorn	3	SM	1.8	10
T475	Hawthorn	3	SM	1.8	10
T476	Hawthorn	3	SM	1.8	10
T477	Hawthorn	3	SM	1.8	10
T478	Maple (Field)	5	M	5.4	92
T479	Oak (English)	8.5	EM	7.2	163
T480	Hawthorn	3	SM	1.8	10
T481	Hawthorn	3	SM	1.8	10
T482	Hawthorn	3	EM	1.8	10
T483	Hawthorn	3	SM	1.8	10
T484	Hawthorn	3	SM	1.8	10
T485	Hawthorn	3	SM	1.8	10
T486	Hawthorn	3	SM	1.8	10
T487	Hawthorn	3	SM	1.8	10
T488	Hawthorn	3	SM	1.8	10
T489	Oak (English)	9	EM	5.8	104
T490	Ash (Common)	8	M	11.8	434
T491	Oak (English)	13	EM	5.8	104
T492	Ash (Common)	6.5	SM	3	28
T493	Oak (English)	19	M	15	707
T494	Ash (Common)	17	M	10.2	327
T495	Willow (Grey)	5	M	6.8	147
T496	Willow (Grey)	4	M	6.8	147
T497	Willow (Grey)	5	M	7.7	185
T498	Oak (English)	7	EM	4.8	72
T499	Oak (English)	14	M	7.8	191
T500	Birch (Silver)	15	M	4.8	72
T501	Chestnut (Horse)	16	M	9	254
T502	Chestnut (Horse)	16	M	7.8	191
T503	Ash (Common)	12	EM	3.6	41
T504	Ash (Common)	8	SM	2.6	22
T505	Ash (Common)	9	SM	3	28
T506	Ash (Common)	11	SM	3	28
T507	Ash (Common)	7	SM	1.5	7
T508	Ash (Common)	13	EM	2.6	22
T509	Ash (Common)	14	EM	5	80
T510	Birch (Silver)	10	EM	3	28
T511	Ash (Common)	13	EM	4.2	55
T512	Ash (Common)	13	EM	4.2	55
T513	Hawthorn	5	EM	2.4	18
T514	Oak (English)	9	EM	4.8	72
T515	Ash (Common)	13	EM	4.2	55

WoodRef	Species	Height Range	LifeStage	RPA Radius (m)	RPA (m2)
W1	Hawthorn; blackthorn; common ash; English oak; elder	3-15	EM	6	113
W2	Common ash; grey

Hedge Ref	Species	Avg. Height (m)	Life Stage	RPA Radius (m)	RPA (m2)
H1	Hawthorn	3	M	1.8	10
H2	Hawthorn	4.5	LM	2.7	23
H3	Hawthorn; elder; rose	3.5	M	1.8	10
H4	Hawthorn; blackthorn; elder; rose	4	M	1.8	10
H5	Hawthorn; elder; blackthorn ; field maple; crab apple	1.75	EM	1	3
H6	Hawthorn; elder; rose	1.75	EM	1	3
H7	Hawthorn; blackthorn; rose; willow	4.5	EM	1	3
H8	Hawthorn; elder	3	M	1.3	5
H9	Hawthorn; common ash	2	M	1.3	5
H10	Hawthorn; willow	1.5	M	1	3
H11	Hawthorn; rose; goat willow	4.5	M	2.7	23
H12	Hawthorn	3	M	1.3	5
H13	Hawthorn; rose	1.5	M	1	3
H14	Hawthorn; blackthorn	1.5	M	1	3
H15	Hawthorn; blackthorn	3	M	1	3
H16	Hawthorn; blackthorn	1.5	M	1	3
H17	Hawthorn; blackthorn; elder	1	EM	0.8	2
H18	Hawthorn; blackthorn	1.5	EM	0.8	2
H19	Hawthorn; blackthorn	1.25	EM	0.8	2
H20	Hawthorn; blackthorn	1.75	M	0.8	2
H21	Hawthorn; blackthorn; ash	1.5	M	1	3
H22	Hawthorn; rose; elder	2	M	1.3	5
H23	Hawthorn; hazel	1.5	M	1	3
H24	Hawthorn; elm	1.5	M	0	0
H25	Hawthorn; sycamore; hazel; common ash	2	M	1	3
H26	Hawthorn; rose	1.5	M	1	3
H27	Hawthorn	2.25	M	1	3
H28	Hawthorn	2.25	M	1	3
H29	Hawthorn; blackthorn; elder; ash; elm	1.25	M	1	3
H30	Hawthorn; blackthorn	1.75	M	0.8	2
H31	Hawthorn; blackthorn; elder	1.75	M	0.8	2
H32	Hawthorn; blackthorn	1.25	M	1	3
H33	Hawthorn; blackthorn	1.25	M	1	3
H34	Hawthorn; blackthorn	1.25	M	1	3
H35	Hawthorn; blackthorn; elder; elm	1.75	M	1	3
H36	Hawthorn; blackthorn; elder; elm	1.25	M	1	3
H37	Hawthorn; blackthorn	1.5	M	1	3
H38	Hawthorn; elder; field maple; elm	2	M	1.3	5
H39	Hawthorn; blackthorn; elder	2	M	1	3
H40	Hawthorn; blackthorn; elder; field maple; elm	2	M	1	3
H41	Hawthorn; field maple; elder	3.5	M	1.3	5
H42	Hawthorn; field maple; elder	3.5	M	1.3	5
H43	Hawthorn; blackthorn	2	M	1	3
H44	Hawthorn; blackthorn; elder	2	M	1	3
H45	Hawthorn	2	M	1	3
H46	Hawthorn	2	M	1	3
H47	Hawthorn	2	M	1	3
H48	Hawthorn; blackthorn; field maple; damson	3	M	1.3	5
H49	Hawthorn; blackthorn; elder; field maple; rose	2.5	M	1.3	5
H50	Hawthorn; blackthorn	2.25	M	1.3	5
H51	Hawthorn; blackthorn; elder; field maple; cherry	5	M	1.8	10
H52	Hawthorn; blackthorn; elder; field maple; elm	2.5	M	1.3	5
H53	Hawthorn; blackthorn; elder; rose	4.5	M	1.5	7
H54	Hawthorn; blackthorn; elder	2	EM	1.3	5
H55	Hawthorn; blackthorn; hazel; goat willow; rose; cornus; guelder rose	1.25	SM	0.6	1
H56	Hawthorn; blackthorn; elder	2	EM	1.3	5
H57	Hawthorn; blackthorn; hazel; goat willow; rose; cornus; guelder rose	1.25	SM	0.6	1
H58	Hawthorn; blackthorn; rose; elder	2	M	1	3
H59	Hawthorn; blackthorn; rose; elder	1.75	M	1	3
H60	Hawthorn; blackthorn; rose; elder	2	M	1	3
H61	Hawthorn; blackthorn; rose; elder	1.75	M	1	3
H62	Hawthorn; blackthorn; rose; elder	2	M	1	3
H63	Hawthorn; blackthorn; rose; elder	1.75	M	1	3
H64	Hawthorn; elder	2.5	EM	1.3	5
H65	Hawthorn; bramble	1.5	M	1	3
H66	Hawthorn; blackthorn	2.25	EM	1.3	5
H67	Hawthorn; blackthorn	2	EM	1.3	5
H68	Hawthorn; blackthorn	1.5	EM	1	3
H69	Hawthorn	2	M	1	3
H70	Hawthorn; blackthorn; rose; elm	2	M	1	3
H71	Hawthorn; blackthorn; elder; field maple	2.25	M	1	3
H72	Hawthorn; elder; field maple	2.25	M	1	3
H73	Hawthorn; blackthorn	2	M	1	3
H74	Hawthorn; blackthorn; elder; field maple; cornus	2	M	1	3
H75	Hawthorn; blackthorn; elder; field maple; hazel; elm	2	M	1	3
H76	Hawthorn; blackthorn; elder; ash	2.25	M	1	3
H77	Hawthorn; blackthorn; rose	2.25	M	1	3
H78	Hawthorn; blackthorn	2	M	1	3
H79	Hawthorn; blackthorn; elder	1.75	M	1	3
H80	Hawthorn; blackthorn; field maple	2.5	M	1.3	5
H81	Hawthorn; blackthorn; rose	2	M	1	3
H82	Hawthorn; blackthorn	2	M	1	3
H83	Hawthorn; blackthorn; elm; ash; rose	2	M	1	3
H84	Hawthorn; blackthorn; rose	2	M	1	3
H85	Hawthorn; blackthorn	2	M	1	3
H86	Hawthorn; blackthorn; elder; elm	1.25	M	1	3
H87	Hawthorn; elder	4	EM	1.5	7
H88	Hawthorn; blackthorn; elm	2	M	1	3
H89	Hawthorn; blackthorn; elder; crab apple; honeysuckle	2.25	M	1.5	7
H90	Hawthorn; blackthorn; elder	2.25	M	1	3
H91	Hawthorn; blackthorn; elder; elm	1.25	M	1	3
H92	Hawthorn; blackthorn; elm; ash; rose; elder	2.25	M	1	3
H93	Hawthorn; blackthorn; elm	2.25	M	1.3	5
H94	Hawthorn; blackthorn; elder; rose	1.75	M	1.3	5
H95	Hawthorn; blackthorn; elder; field maple	1.75	M	1	3
H96	Hawthorn; blackthorn; elder	1.75	M	1.3	5
H97	Hawthorn; blackthorn; elder	1.75	M	1.3	5
H98	Hawthorn; blackthorn; elder	1.25	M	1	3
H99	Hawthorn; blackthorn	2.5	M	1	3
H100	Hawthorn; blackthorn; elm	2.25	M	1.3	5
H101	Hawthorn; blackthorn; elder	1.5	EM	0.8	2
H102	Hawthorn; blackthorn; elder	1.75	M	1.3	5
H103	Hawthorn; blackthorn; elder	1.5	EM	0.8	2
H104	Hawthorn; blackthorn; elder	2.25	M	1.3	5
H105	Hawthorn; blackthorn; elder	1.25	SM	0.8	2
H106	Hawthorn; blackthorn; elder; ash	2.25	M	1.3	5
H107	Hawthorn; blackthorn; elder	1.25	SM	0.8	2
H108	Hawthorn; elder	1.25	SM	0.8	2
H109	Hawthorn; blackthorn; rose; field maple; hazel	1.75	M	1.3	5
H110	Hawthorn; blackthorn; elder; field maple	2.25	M	1.5	7
H111	Hawthorn; elder	1	M	1.3	5
H112	Hawthorn; elder	1	M	1.3	5
H113	Hawthorn; blackthorn; elder; field maple	2.25	M	1.5	7
H114	Hawthorn; blackthorn; elder; ash; field maple	2.5	M	1.3	5
H115	Hawthorn; blackthorn; elder	2.5	M	1.3	5
H116	Hawthorn; blackthorn; cornus; elder	2.25	M	1.3	5
H117	Hawthorn; elder	2.5	EM	1.3	5

Hedge Ref	Species	Avg. Height (m)	Life Stage	RPA Radius (m)	RPA (m2)
H118	Hawthorn; blackthorn	1	EM	1	3
H119	Hawthorn; blackthorn; elder; field maple	1.75	M	1	3
H120	Hawthorn; blackthorn; elm; grey willow ; field maple; crab apple	2.25	EM	1.3	5
H121	Hawthorn; blackthorn	2.5	EM	1	3
H122	Hawthorn; blackthorn	2.5	EM	1.3	5
H123	Hawthorn; blackthorn; elder	2.5	M	1.3	5
H124	Hawthorn; blackthorn;elder	2	M	1.3	5
H125	Hawthorn; blackthorn; elder	2	M	1	3
H126	Hawthorn; blackthorn; elder; rose	2.25	M	1	3
H127	Hawthorn; blackthorn; elder; rose	2.25	M	1	3
H128	Hawthorn; blackthorn; elder	2.25	M	1	3
H129	Hawthorn; blackthorn	2	M	1.3	5
H130	Hawthorn; blackthorn; ash; elder	2.5	M	1.3	5
H131	Hawthorn; blackthorn	2	EM	1.3	5
H132	Hawthorn; blackthorn; rose; field maple	2.25	EM	1.3	5
H133	Hawthorn; blackthorn; rose; field maple	2.25	EM	1.3	5
H134	Hawthorn; blackthorn; elder	2	EM	1.3	5
H135	Hawthorn; blackthorn; cornus; elder	2.25	M	1.3	5
H136	Hawthorn; blackthorn; elder	2	M	1.3	5
H137	Common ash; hawthorn	1.5	EM	1	3
H138	Hawthorn	1.75	SM	1	3
H139	Elder; hawthorn	1.5	M	1	3
H140	Elder; hawthorn	1.5	M	1	3
H141	Elder; hawthorn	1.5	M	1	3
H142	Elder; hawthorn	1.5	M	1	3
H143	Elder; hawthorn	2	M	1.1	4
H144	Elder; hawthorn	2	M	1.1	4
H145	Hawthorn	1.75	M	1.1	4
H146	Hawthorn; blackthorn	1.5	M	1.1	4
H147	Hawthorn	1.75	M	1.1	4
H148	Hawthorn; elder	1.75	M	1.1	4
H149	Hawthorn; dog rose; bramble	4	M	1	3
H150	Blackthorn; elder; hawthorn; bramble	1.75	M	1	3
H151	Hawthorn	2	M	1	3
H152	Hawthorn; common ash; field maple; blackthorn; Wych elm; elder	2	EM	1.1	4
H153	Field maple; hawthorn; dog rose	2	EM	1	3
H154	Hawthorn; common ash	6	M	1.8	10
H155	Hawthorn; common ash; dog rose	6	EM	1.3	5
H156	Hawthorn; common ash	6	M	1.8	10
H157	Crack willow; Elder	3	EM	1	3
H158	Field maple; hawthorn	3	EM	1	3
H159	Crack willow	4	SM	1	3
H160	Crack willow; common ash	4	SM	1	3
H161	Elder; hawthorn; common ash	5	SM	1	3
H162	Hawthorn	4	M	1	3
H163	Hawthorn	4	M	1	3
H164	Hawthorn; elder; crab apple	3	EM	1.3	5
H165	Blackthorn; hawthorn; dog rose; elder	4	EM	1	3
H166	Hawthorn	7	M	1.3	5
H167	Lilac; hawthorn; elder	4	M	1	3
H168	Hawthorn; blackthorn; sycamore; elder	1.5	SM	0.8	2
H169	Hawthorn	6	EM	2.2	15
H170	Hawthorn; common ash	5	M	1.3	5
H171	Blackthorn	4	SM	1	3
H172	Hawthorn	6	M	4.2	55
H173	Hawthorn; blackthorn; ash; elder; cypress	6	SM	2.2	15
H174	Hawthorn; blackthorn; ash	4	EM	1.3	5
H175	Hawthorn; blackthorn; elder	5	M	1.5	7
H176	Hawthorn; blackthorn	5	M	1.5	7
H177	Hawthorn; ash; elder	3	EM	1.3	5
H178	Hawthorn; blackthorn	3.5	EM	1.3	5
H179	Hawthorn; blackthorn; dogrose; elder	2	EM	1.3	5
H180	Hawthorn; Wych elm; dog rose; blackthorn; bramble	3	M	0	0
H181	Hawthorn; goat willow; dog rose	5	M	1.3	5
H182	Hawthorn; blackthorn; elder; dog rose	6	M	1.3	5
H183	Hawthorn; blackthorn; elder; dog rose	6	M	1.3	5
H184	Hawthorn; blackthorn; elder; dog rose	6	M	1.3	5
H185	Wych elm; blackthorn; dog rose	1.75	EM	1	3
H186	Hawthorn; blackthorn; elder; dog rose	6	M	1.3	5
H187	Hawthorn; blackthorn; field maple	1.75	M	1.1	4
H188	Hawthorn; common ash; dog rose	3.5	M	1.1	4
H189	Hawthorn; dog rose	3	M	1	3
H190	Hawthorn	1.75	M	1.1	4
H191	Hawthorn; dog rose; field maple	3.5	M	1.1	4
H192	Hawthorn	1.75	M	1.1	4
H193	Hawthorn	1.75	M	1.1	4
H194	Blackthorn; hawthorn	2.5	SM	1	3
H195	Blackthorn; hawthorn; dog rose	4	EM	1	3
H196	Blackthorn; hawthorn; dog rose; elder	2.5	M	1	3
H197	Blackthorn	4	EM	1	3
H198	Blackthorn; hawthorn; field maple; dog rose	2.5	M	1	3
H199	Hawthorn	1.5	M	1	3
H200	Hawthorn; dog rose	1.5	M	1	3
H201	Hawthorn; dog rose	1.5	M	1	3
H202	Hawthorn	1.5	M	1	3
H203	Hawthorn	1.5	M	1	3
H204	Hawthorn; elder; field maple; blackthorn	2.5	M	1	3
H205	Blackthorn; hawthorn; dog rose	4	EM	1	3
H206	Hawthorn; elder; field maple	2.5	M	1	3
H207	Hawthorn; elder	2.5	M	1	3
H208	Field maple	2.5	M	1	3
H209	Hawthorn; field maple; dog rose	2.5	M	1	3
H210	Blackthorn; hawthorn; dog rose	4	EM	1	3
H211	Hawthorn; blackthorn; elder	2	SM	0.6	1
H212	Hawthorn	5	M	1.1	4
H213	Blackthorn; hawthorn; dog rose; elder	5	EM	1	3
H214	Blackthorn; hawthorn; dog rose	5	EM	1	3
H215	Elder	3	M	1.3	5
H216	Hawthorn; blackthorn; elder; ash	2	SM	0.6	1
H217	Blackthorn	6	EM	1.1	4
H218	Hawthorn; blackthorn; elder; English oak	2	SM	0.6	1
H219	Hawthorn; blackthorn; elder; ash; field maple	3	SM	0.6	1
H220	Hawthorn; blackthorn; elder; ash	3	SM	0.6	1
H221	Hawthorn; elder	3	EM	1.3	5
H222	Hawthorn; wild rose	5	M	1	3
H223	Hawthorn	2	EM	0.6	1
H224	Hawthorn; wild rose	5	M	1	3
H225	Hawthorn; blackthorn; field maple	2	EM	0.6	1
H226	Hawthorn; blackthorn	2	EM	0.6	1
H227	Hawthorn	2	EM	0.6	1
H228	Hawthorn	2	EM	0.6	1
H229	Hawthorn; blackthorn; field maple;	2	EM	0.8	2
H230	Blackthorn; hawthorn; elder	6	EM	1	3
H231	Hawthorn; blackthorn; elder; field maple	2	EM	0.8	2
H232	Blackthorn; hawthorn	6	EM	1	3
H233	Hawthorn; blackthorn; elder	2	SM	0.6	1
H234	Hawthorn; blackthorn; elder	2	SM	0.6	1
H235	Blackthorn; elder; common ash	5	EM	1.1	4
H236	Elder; hawthorn	3	EM	1	3

Hedge Ref	Species	Avg. Height (m)	Life Stage	RPA Radius (m)	RPA (m2)
H237	Hawthorn; blackthorn; dog rose	1.75	M	1	3
H238	Field maple; English oak; ash; hazel; hawthorn; blackthorn; dogrose; elder	12	EM	4.8	72
H239	Hawthorn; blackthorn; dog rose	1.5	M	1	3
H240	Hawthorn; dog rose	1.5	M	1	3
H241	Hawthorn; dog rose	1.5	M	1	3
H242	Field maple	1.5	M	1	3
H243	Field maple; English oak; ash; hawthorn; blackthorn; dogrose; elder	12	EM	4.2	55
H244	Hawthorn; Wych elm; elder; blackthorn	6	EM	1	3
H245	Blackthorn	3.5	SM	1	3
H246	Hawthorn; crack willow; goat willow; Wych elm	6	EM	1	3
H247	Hawthorn; blackthorn; elder	4	M	1	3
H248	Hawthorn; elder	4	EM	1	3
H249	Field maple; ash; dogrose; elder	8	EM	3	28
H250	Hawthorn; field maple	6	EM	1.3	5
H251	Hawthorn; blackthorn; common ash; elder	6	EM	1.3	5
H252	Hawthorn; elder; common ash	5	EM	1.3	5
H253	Hawthorn; blackthorn; field maple; elm; dogrose	1.5	SM	1	3
H254	Hawthorn; dog rose	1.75	EM	1	3
H255	Hawthorn; blackthorn; field maple; elm; dogrose	1.25	SM	1	3
H256	Hawthorn; blackthorn; ash; elm; dogrose; elder	1.5	SM	1.1	4
H257	Hawthorn; dog rose	1.75	EM	1	3
H258	Hawthorn; dog rose	1.75	EM	1	3
H259	Hawthorn; dog rose	1.75	EM	1	3
H260	Hawthorn; blackthorn; elm; elder	1.5	SM	1	3
H261	Hawthorn; field maple; dog rose	1	M	1	3
H262	Hawthorn; field maple; dog rose; common ash	1.5	M	1	3
H263	Hawthorn; field maple; dog rose; common ash	1	M	1	3
H264	Hawthorn; blackthorn; ash; elm; dogrose	1.5	SM	1	3
H265	Hawthorn; field maple; ash; elm; dogrose	1.5	SM	1	3
H266	Hawthorn; field maple; dog rose; common ash	1	M	1	3
H267	Hawthorn; field maple; dog rose; common ash	1.5	M	1	3
H268	Hawthorn; elm; dogrose	1.5	SM	1	3
H269	Hawthorn; field maple; dog rose; Wych elm; common ash	1.5	M	1	3
H270	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	1.5	M	1	3
H271	Hawthorn; field maple; dog rose; Wych elm; common ash	1.5	M	1	3
H272	Hawthorn; elm; dogrose; elder	1.5	SM	1	3
H273	Hawthorn; field maple; dog rose; Wych elm; common ash	1.5	M	1	3
H274	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	1.5	M	1	3
H275	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	1.5	M	1	3
H276	Hawthorn; elm; elder	1.5	SM	1	3
H277	Hawthorn; elm; elder	1.5	SM	1	3
H278	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	1.5	M	1	3
H279	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	1.5	M	1	3
H280	Blackthorn; hawthorn; field maple; Wych elm	5	EM	1.3	5
H281	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	1.5	M	1	3
H282	Leyland cypress	7	M	3.6	41
H283	Common ash; hawthorn	1.5	EM	1	3
H284	Hawthorn; blackthorn; field maple; common ash	1.5	M	1	3
H285	Hawthorn	1.5	SM	1	3
H286	Hawthorn; elm; dogrose; elder	1.25	SM	1	3
H287	Hawthorn; ash; elm	1.5	SM	1	3
H288	Hawthorn; blackthorn; dogrose	1.5	SM	1	3
H289	Hawthorn; blackthorn; ash; field maple; dogrose; elder	1.5	SM	1	3
H290	Hawthorn; blackthorn; field maple; elder	1.5	SM	1	3
H291	Hawthorn; blackthorn; ash; field maple; elm; hazel; dogrose; elder	1.5	SM	1	3
H292	Hawthorn; blackthorn; elm; elder; dogrose	1.5	SM	1	3
H293	Hawthorn; blackthorn; field maple; elder	1.5	SM	1	3
H294	Hawthorn; blackthorn; apple; dogrose	6	EM	2.2	15
H295	Hawthorn; blackthorn; dogrose	6	EM	2.2	15
H296	Hawthorn; blackthorn; field maple; ash; sycamore; elm; dogrose; elder	1.5	SM	1	3
H297	Hawthorn; hazel; dogrose; elder	1.25	SM	1	3
H298	Goat willow; hawthorn; blackthorn; dogrose; elder	6	EM	3	28
H299	Hawthorn; blackthorn; hazel; dogrose; elder	1.5	SM	1	3
H300	English oak; hawthorn; blackthorn; dogrose	6	EM	3	28
H301	Hawthorn; blackthorn; hazel; English oak; elder	1.25	SM	1	3
H302	English oak; elm; hawthorn; blackthorn; dogrose; elder	6	EM	2.2	15
H303	English oak; ash; hawthorn; blackthorn; dogrose; elder	8	EM	3	28
H304	Hawthorn; blackthorn; ash; elm; dogrose; elder	1.5	EM	1.1	4
H305	Field maple; ash; hawthorn; blackthorn; dogrose; elder	13	EM	4.8	72
H306	Hawthorn; blackthorn; dogwood; elm; dogrose	1	SM	1	3
H307	Blackthorn	7	EM	1.1	4
H308	Hawthorn; wych elm; field maple; ash	8	M	1.3	5
H309	Field maple; English oak; ash; hawthorn; blackthorn; dogrose; elder	8	EM	3	28
H310	Hawthorn; blackthorn; elder; field maple; hazel;	2	EM	0.8	2
H311	Field maple; English oak; ash; hawthorn; dogrose; elder	8	EM	3	28
H312	Hawthorn; blackthorn; elder; field maple; hazel;	2	EM	0.8	2
H313	Hawthorn; blackthorn; elder; field maple; hazel;	2	EM	0.8	2
H314	Hawthorn; blackthorn; elder; crab apple	2	M	0.6	1
H315	Hawthorn; blackthorn; elder; crab apple	2	M	0.6	1
H316	Hawthorn; blackthorn; elder; field maple; hazel;	2	EM	0.8	2
H317	Hawthorn; blackthorn; elder; crab apple	2	M	0.6	1
H318	Hawthorn; blackthorn; elder; field maple; hazel	2	EM	1	3
H319	Hawthorn; blackthorn; elder; field maple; hazel	2	EM	1	3
H320	Hawthorn; blackthorn; elder; field maple; hazel	2	EM	1	3
H321	Hawthorn; wych elm; field maple; ash	6	M	1	3
H322	Hawthorn; blackthorn; elder; field maple; hazel	2	EM	0.8	2
H323	Hawthorn; blackthorn; elder; field maple; hazel; wych elm	2	EM	0.8	2
H324	Hawthorn; blackthorn; elder; field maple; hazel;	2	EM	0.8	2
H325	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple; ash;	2	M	0.6	1
H326	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm	3	M	0.6	1
H327	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple; hazel	3	M	0.6	1
H328	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple; hazel	2	M	0.6	1
H329	Hawthorn; wild rose; blackberry; elder; blackthorn; wych elm	2	M	0.6	1
H330	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple	2.5	M	0.6	1
H331	Hawthorn; wild rose; blackberry; elder; blackthorn; wych elm	2	M	0.6	1
H332	Hawthorn; wild rose; blackberry; elder; blackthorn; wych elm	2	M	0.6	1
H333	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	3	M	0.6	1
H334	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm; field maple	1.5	M	0.6	1
H335	Hawthorn; wild rose; blackberry; field maple; blackthorn	2	M	0.6	1
H336	Hawthorn; elder; blackthorn	2.5	M	0.6	1
H337	Hawthorn; wild rose; blackberry; field maple; blackthorn	2	M	0.6	1

Hedge Ref	Species	Avg. Height (m)	Life Stage	RPA Radius (m)	RPA (m2)
H338	Hawthorn; wild rose; blackberry; field maple; blackthorn	2	M	0.6	1
H339	Hawthorn; elder; blackthorn	2.5	M	0.6	1
H340	Hawthorn; wild rose; blackberry; field maple; blackthorn	2	M	0.6	1
H341	Hawthorn; elder; blackthorn	2.5	M	0.6	1
H342	Hawthorn; wild rose; blackberry; field maple; blackthorn	2	M	0.6	1
H343	Hawthorn; wild rose; blackberry; field maple; blackthorn	2	M	0.6	1
H344	Hawthorn; field maple; apple; dogrose	2.5	SM	0.8	2
H345	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm; crab apple	3.5	M	0.6	1
H346	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	1.5	M	0.6	1
H347	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	1.5	M	0.6	1
H348	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm; dogwood	1.5	M	0.6	1
H349	Field maple	4	SM	1.1	4
H350	Hawthorn; English oak	3	SM	0.8	2
H351	Blackthorn	3	SM	0.8	2
H352	Blackthorn; hawthorn; wild rose; field maple; wych elm	2	M	0.6	1
H353	Elder; dogwood; hawthorn	2	M	0.6	1
H354	Hawthorn; English oak; dogrose; elder	5	SM	1	3
H355	Blackthorn; hawthorn; wild rose; field maple; wych elm	2	M	0.6	1
H356	Elder; dogwood; hawthorn; blackthorn	2	M	0.6	1
H357	Elder; dogwood; hawthorn; blackthorn	2	M	0.6	1
H358	Hawthorn; blackthorn; dogrose	5	EM	1	3
H359	Hawthorn; blackthorn; elder	4	EM	1.1	4
H360	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	2	M	0.6	1
H361	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	2	M	0.6	1
H362	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	2	M	0.6	1
H363	Hawthorn	4.5	EM	2.2	15
H364	Hawthorn	2.5	SM	1	3
H365	Hawthorn; blackthorn; field maple	2.5	SM	1	3
H367	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	2.5	M	0.6	1
H368	Hawthorn; dogwood; elder; blackthorn; field maple	1.5	SM	0.6	1
H369	Hawthorn; dogwood; elder; blackthorn; wych elm	2	M	0.6	1
H370	Hawthorn; dogwood; elder; blackthorn	1.5	M	0.6	1
H371	Hawthorn; blackthorn; field maple	6	M	1	3
H372	Hawthorn; blackthorn; wild rose p; wych elm;	2	M	0.6	1
H373	Hawthorn; blackthorn; wild rose; wych elm; elder	1.5	M	0.6	1
H374	Hawthorn; dogwood; elder; blackthorn; field maple	1.5	M	0.6	1
H375	Hawthorn; blackthorn	5	M	0.8	2
H376	Hawthorn; blackthorn; wild rose; wych elm;	2	M	0.6	1
H377	Hawthorn; blackthorn; wild rose; wych elm; elder	2	M	0.6	1
H378	Hawthorn; blackthorn	4	M	0.6	1
H379	Hawthorn; blackthorn; wild rose; wych elm; elder	4	M	0.6	1
H380	Hawthorn; blackthorn; wild rose; wych elm; elder	2	M	0.6	1
H381	Hawthorn; blackthorn; wild rose; wych elm; elder	2	M	0.6	1
H382	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple; ash	2	M	0.6	1
H383	Hawthorn; blackthorn; wild rose; wych elm; elder	4	M	0.6	1
H384	Hawthorn; blackthorn; wild rose; wych elm; elder	2	M	0.6	1
H385	Hawthorn; blackthorn; wild rose; wych elm; elder; field maple; crack willow	2.5	M	0.6	1
H386	Hawthorn; blackthorn; wild rose; wych elm; elder	3	M	0.6	1
H387	Hawthorn; blackthorn; wild rose; wych elm; elder	3	M	0.6	1
H388	Hawthorn; blackthorn; wild rose; wych elm; elder	4	M	0.6	1
H389	Hawthorn; blackthorn; wild rose; wych elm; elder	2	M	0.6	1
H390	Hawthorn; blackthorn; wild rose; wych elm; elder	2	M	0.6	1
H391	Hawthorn; blackthorn; hazel; wych elm	1.5	EM

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

INDIVIDUAL TREES

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T1	Ash (Common)	On	10	1	Yes	600	5.0-5.0-4.0-5.0	4.0	3	E	M	None	Hedgerow tree; large cavity at base with sections of deadwood.	Fair	Fair	10+	C1	7.2	163.0	-
T2	Ash (Common)	Off	12	1	Yes	320	4.0-3.0-4.0-5.0	4.0	3	E	M	None	Hedgerow offsite tree in decline. Dead branch leaning towards field.	Fair	Fair	10+	C1	3.8	46.0	-
T3	Oak (English)	On	14	1	Yes	850	8.0-8.0-8.0-7.0	4.0	3	W	M	None	Typical for age and species; minor deadwood.	Good	Good	40+	B1	10.2	327.0	-
T4	Ash (Common)	Off	12	3	Yes	420	5.0-7.0-5.0-3.0	4.0	2	S	EM	None	Typical for age and species; overhanging site.	Good	Fair	20+	C1	5.0	80.0	-
T5	Ash (Common)	Off	10	1	Yes	300	3.0-3.0-6.0-5.0	4.0	0.5	S	EM	None	Hedgerow tree overhanging site by 6m.	Fair	Fair	20+	C1	3.6	41.0	-
T6	Ash (Common)	On	15	3	Yes	590	7.0-6.0-9.0-6.0	4.0	2	W	M	None	Typical for age and species.	Good	Good	40+	B1	7.1	157.0	-
T7	Ash (Common)	On	15	5	Yes	560	6.0-6.0-7.0-6.0	4.0	0	E	M	None	Typical for age and species.	Good	Good	40+	B1	6.7	142.0	-
T8	Ash (Common)	Off	7	1	Yes	100	2.0-2.0-2.0-2.0	2.0	0	W	SM	None	Typical for age and species.	Good	Good	20+	C1	1.3	5.0	-
T9	Ash (Common)	Off	10	1	Yes	250	3.0-10.0-4.0-3.0	5.0	4	W	EM	None	Typical for age and species; significantly overhanging site.	Good	Fair	20+	C1	3.0	28.0	-
T10	Ash (Common)	On	10	1	Yes	450	5.0-5.0-5.0-5.0	4.0	3	E	M	None	Hedgerow tree; typical for age and species. Minor deadwood	Fair	Fair	20+	C1	5.4	92.0	-
T11	Maple (Field)	Off	10	4	Yes	380	5.0-5.0-5.0-5.0	4.0	1	E	EM	None	Hedgerow tree; crown lifted over field side.	Good	Good	40+	C1	4.5	65.0	-
T12	Hawthorn	On	9	1	Yes	310	5.0-4.0-5.0-6.0	4.0	2	S	EM	None	Hedgerow tree; crown lifted over fields.	Good	Good	40+	B1	3.7	43.0	-
T13	Maple (Field)	On	8	5	Yes	460	5.0-5.0-6.0-5.0	2.0	0.5	E	EM	None	Hedgerow tree; crown lifted over field side. Ditch to the north.	Good	Good	40+	B1	5.5	96.0	-
T14	Ash (Common)	On	10	4	Yes	470	5.0-5.0-6.0-5.0	4.0	1	W	EM	None	Hedgerow tree; crown lifted over field side. Ditch to the north. Reduced vitality in crown	Fair	Good	20+	C1	5.6	100.0	-
T15	Hawthorn	Off	6	3	Yes	290	4.0-5.0-4.0-4.0	3.0	1	W	M	None	Hedgerow tree; crown lifted over field.	Good	Good	40+	C1	3.5	38.0	-
T16	Ash (Common)	On	11	1	Yes	600	5.0-6.0-5.0-6.0	4.0	2	S	EM	None	Hedgerow tree; lost main leader with regrowth.	Fair	Fair	20+	C1	7.2	163.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T17	Ash (Common)	On	12	1	Yes	500	5.0-5.0-6.0-5.0	4.0	3	E	M	None	Hedgerow tree; lost main leader. Ditch to the north.	Good	Fair	20+	C1	6.0	113.0	-
T18	Ash (Common)	On	9	1	Yes	450	3.0-3.0-4.0-4.0	4.0	1	E	EM	None	Hedgerow tree; large cavity at base and in decline.	Fair	Poor	10+	C1	5.4	92.0	-
T19	Ash (Common)	On	11	1	Yes	700	7.0-5.0-5.0-5.0	5.0	3	N	M	None	Inonotus present. Several lost branches.	Good	Fair	20+	B3	8.4	222.0	-
T20	Ash (Common)	On	11	1	Yes	600	3.0-3.0-3.0-3.0	4.0	0	N	M	None	Centre of ash decaying up to 2.5m with inonotus at 4m and 5m.	Fair	Poor	10+	B3	7.2	163.0	-
T21	Ash (Common)	On	11	2	Yes	370	7.0-7.0-7.0-7.0	3.0	5	N	M	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	B1	4.4	62.0	-
T22	Maple (Field)	On	7	6	Yes	170	3.0-2.0-2.0-2.0	4.0	0	N	M	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	C1	2.0	13.0	-
T23	Ash (Common)	On	7	1	Yes	250	3.0-3.0-3.0-3.0	4.0	2	N	EM	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	C1	3.0	28.0	-
T24	Ash (Common)	On	9	1	Yes	230	3.0-3.0-3.0-3.0	4.0	0	N	M	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	B1	2.8	24.0	-
T25	Ash (Common)	On	13	1	Yes	550	9.0-7.0-7.0-7.0	4.0	4	N	M	None	Hedgerow tree. Minor deadwood; reduced vitality.	Good	Good	40+	B1	6.6	137.0	-
T26	Ash (Common)	On	16	1	Yes	900	9.0-8.0-8.0-8.0	4.0	4	N	M	None	Impressive form with inonotus at majority of main unions. Ditch to the north.	Good	Fair	40+	B3	10.8	366.0	-
T27	Ash (Common)	On	10	4	Yes	410	3.0-3.0-3.0-3.0	4.0	0	N	M	None	Hedgerow tree. Typical for age and species. Minor deadwood.	Good	Good	40+	B1	4.9	76.0	-
T28	Hawthorn	On	10	6	Yes	220	2.0-2.0-2.0-2.0	3.0	0	N	M	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	B1	2.6	22.0	-
T29	Ash (Common)	On	9	1	Yes	220	3.0-3.0-3.0-3.0	4.0	2	N	EM	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	C1	2.6	22.0	-
T30	Ash (Common)	On	9	5	Yes	460	3.0-3.0-3.0-3.0	4.0	0	N	M	None	Hedgerow tree. Typical for age and species. Minor deadwood.	Good	Good	40+	B1	5.5	96.0	-
T31	Ash (Common)	On	13	1	Yes	600	7.0-7.0-7.0-6.0	4.0	3	N	M	None	Hedgerow tree. Minor deadwood; ivy clad. Ditch to the north.	Good	Good	40+	B1	7.2	163.0	-
T32	Oak (English)	On	10	1	Yes	500	2.0-2.0-2.0-2.0	4.0	0	N	M	None	Hedgerow tree. Reduced vitality; minimal remaining crown. Deadwood and ivy clad.	Fair	Good	40+	B3	6.0	113.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T33	Ash (Common)	On	10	2	Yes	390	5.0-6.0-5.0-6.0	4.0	0	N	M	None	Hedgerow tree. Typical for age and species. Minor deadwood.	Good	Good	40+	B1	4.7	69.0	-
T34	Ash (Common)	On	7	1	Yes	210	2.0-2.0-2.0-2.0	3.0	1.5	N	EM	None	Hedgerow tree.	Fair	Good	20+	C1	2.5	20.0	-
T35	Ash (Common)	On	9	1	Yes	400	1.0-2.0-3.0-2.0	6.0	1	S	M	None	Recent collapse of leading stem from main union. Remaining stem provides good habitat.	Fair	Poor	10+	C3	4.8	72.0	-
T36	Ash (Common)	On	9	2	Yes	480	7.0-6.0-5.0-3.0	4.0	3	N	EM	None	Hedgerow tree; in decline with symptoms of ash dieback.	Fair	Fair	20+	C1	5.8	104.0	-
T37	Ash (Common)	On	10	6	Yes	930	7.0-6.0-6.0-6.0	4.0	3	N	EM	None	Hedgerow tree. Ditch to the north	Good	Fair	40+	B1	11.2	391.0	-
T38	Ash (Common)	On	7	1	Yes	250	3.0-3.0-3.0-3.0	4.0	2	N	EM	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	C1	3.0	28.0	-
T39	Oak (English)	On	14	1	Yes	900	8.0-7.0-8.0-8.0	4.0	2	N	M	None	Full crown; ditch to the east. Typical for age and species.	Good	Good	40+	A1	10.8	366.0	-
T40	Ash (Common)	Off	10	1	Yes	400	3.0-3.0-3.0-3.0	0.0	0	None	EM	None	Off-site tree on railway embankment; cursory inspection from site boundary	Good	Fair	20+	B1	4.8	72.0	-
T41	Ash (Common)	On	10	1	Yes	400	4.0-4.0-3.5-4.0	3.0	0	None	EM	None	Adjacent to access; main stem splits @4m into 3x scaffold limbs; ivy to main stem has been secured	Good	Fair	20+	B1	4.8	72.0	-
T42	Ash (Common)	On	12	1	Yes	450	4.5-4.5-4.5-4.0	3.0	3	W	EM	None	Adjacent to access; bark damage & associated decay to S of root collar with good reaction growth	Good	Fair	20+	B1	5.4	92.0	-
T43	Ash (Common)	On	7	1	Yes	220	2.0-2.0-2.0-2.0	2.0	3	N	EM	None	Hedgerow tree. In severe decline.	Fair	Fair	10+	C1	2.6	22.0	-
T44	Ash (Common)	On	7	1	Yes	220	2.0-2.0-2.0-2.0	2.0	3	N	EM	None	Hedgerow tree. In decline.	Fair	Good	20+	C1	2.6	22.0	-
T45	Ash (Common)	On	8	1	Yes	180	2.0-2.0-2.0-2.0	1.0	1	N	SM	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	C1	2.2	15.0	-
T46	Willow (Crack)	On	13	7	Yes	610	12.0-9.0-4.0-14.0	3.0	0	N	LM	None	Collapsed willow with phoenix growth. Veteran-type features. Ditch to the south.	Good	Poor	40+	B3	7.3	168.0	-
T47	Oak (English)	Off	12	1	Yes	450	6.0-6.0-5.0-5.0	3.0	2	SW	SM	None	Off-site tree on railway side; main stem splits @6m into 2x scaffold limbs	Good	Fair	20+	B1	5.4	92.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T48	Maple (Field)	On	7	1	Yes	250	4.0-4.0-4.0-3.0	4.0	3	N	EM	None	Hedgerow tree. Crown lifted over track.	Good	Good	40+	B1	3.0	28.0	-
T49	Ash (Common)	On	7	1	Yes	220	3.0-3.0-3.0-3.0	3.0	3	N	EM	None	Hedgerow tree. Typical for age and species. Minor deadwood.	Good	Good	40+	C1	2.6	22.0	-
T50	Ash (Common)	On	12	1	Yes	350	5.0-5.0-5.0-5.0	2.0	4	N	EM	None	Hedgerow tree. Typical for age and species. Minor deadwood.	Good	Good	40+	B1	4.2	55.0	-
T51	Oak (English)	On	16	1	Yes	800	10.0-10.0-10.0-10.0	3.0	2	N	M	None	Twin stem from 2m; full crown. Typical for age and species. Crown lifted over track.	Good	Good	40+	A1	9.6	290.0	-
T52	Ash (Common)	On	7	1	Yes	180	2.0-2.0-2.0-2.0	1.0	1	N	SM	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	C1	2.2	15.0	-
T53	Ash (Common)	On	11	3	Yes	170	3.0-3.0-3.0-2.0	4.0	3	N	EM	None	Hedgerow tree. Minor deadwood; crown lifted over track. Ditch to the north.	Good	Good	40+	B1	2.0	13.0	-
T54	Ash (Common)	On	12	1	Yes	220	4.0-4.0-4.0-4.0	3.0	3	N	EM	None	Hedgerow tree. Reduced vitality; crown lifted over track. Ditch to the north.	Fair	Good	40+	B1	2.6	22.0	-
T55	Ash (Common)	On	9	2	Yes	410	5.0-5.0-5.0-5.0	3.0	4	N	EM	None	Hedgerow tree. Typical for age and species. Minor deadwood	Good	Good	40+	B1	4.9	76.0	-
T56	Ash (Common)	On	12	2	Yes	240	4.0-4.0-4.0-4.0	3.0	3	N	EM	None	Hedgerow tree. Reduced vitality; symptoms of ash dieback; crown lifted over track. Ditch to the north.	Fair	Good	40+	C1	2.9	26.0	-
T57	Maple (Field)	On	7	1	Yes	210	3.0-3.0-3.0-2.0	3.0	1	N	EM	None	Hedgerow tree. Crown lifted over track. Ditch to the east.	Good	Good	40+	B1	2.5	20.0	-
T58	Maple (Field)	On	6	1	Yes	150	3.0-3.0-3.0-2.0	3.0	1	N	EM	None	Hedgerow tree. Crown lifted over track. Ditch to the east.	Good	Good	40+	B1	1.8	10.0	-
T59	Ash (Common)	On	9	1	Yes	220	3.0-3.0-3.0-2.0	4.0	3	N	EM	None	Hedgerow tree. Minor deadwood; crown lifted over track.	Good	Good	40+	B1	2.6	22.0	-
T60	Ash (Common)	On	9	1	Yes	340	3.0-3.0-3.0-3.0	4.0	3	N	EM	None	Hedgerow tree. Typical for age and species. Minor deadwood.	Good	Good	40+	B1	4.1	52.0	-
T61	Maple (Field)	On	7	1	Yes	210	3.0-2.0-3.0-2.0	3.0	1	N	EM	None	Hedgerow tree. Crown lifted over track. Ditch to the east.	Good	Good	40+	B1	2.5	20.0	-
T62	Ash (Common)	On	9	1	Yes	200	2.0-2.0-2.0-2.0	4.0	3	N	EM	None	Hedgerow tree. Typical for age and species. Minor deadwood.	Good	Good	40+	B1	2.4	18.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T63	Maple (Field)	On	7	1	Yes	190	3.0-2.0-3.0-2.0	2.0	1	N	EM	None	Hedgerow tree. Crown lifted over track. Ditch to the east.	Good	Good	40+	B1	2.3	16.0	-
T64	Cherry (Wild)	On	7	2	Yes	210	4.0-2.0-4.0-2.0	1.0	1	N	EM	None	Hedgerow tree. Crown lifted over track.	Good	Good	40+	B1	2.5	20.0	-
T65	Ash (Common)	On	7	1	Yes	300	5.0-5.0-5.0-5.0	4.0	3	N	EM	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	C1	3.6	41.0	-
T66	Ash (Common)	On	7	2	Yes	270	3.0-3.0-3.0-3.0	4.0	3	N	EM	None	Hedgerow tree. Typical for age and species.	Good	Good	40+	C1	3.2	33.0	-
T67	Oak (English)	On	8	1	Yes	500	5.0-5.0-6.0-5.0	2.0	1	N	M	None	Located close to hedgerow. Large wound from historical loss of second stem.	Good	Fair	40+	B1	6.0	113.0	-
T68	Oak (English)	On	10	2	Yes	390	6.0-5.0-3.0-5.0	2.0	1	N	EM	None	One stem in severe decline. Hedgerow tree.	Fair	Fair	40+	C1	4.7	69.0	-
T69	Ash (Common)	On	8	1	Yes	220	4.0-4.0-4.0-4.0	4.0	2	W	EM	None	Located within hedgerow. Ditch to the south. Historical storm damage.	Fair	Good	20+	C1	2.6	22.0	-
T70	Ash (Common)	On	6	1	Yes	220	4.0-4.0-4.0-4.0	4.0	2	W	EM	None	Located within hedgerow. Ditch to the south. Slight decline.	Fair	Good	20+	C1	2.6	22.0	-
T71	Oak (English)	On	4	1	Yes	200	3.0-2.0-3.0-2.0	2.0	2	E	M	None	Part of hedgerow.	Good	Good	40+	C1	2.4	18.0	-
T72	Oak (English)	On	16	1	Yes	900	5.0-6.0-8.0-6.0	5.0	2	S	M	None	Part of hedgerow. Crown lifted clear of field by 5m.	Good	Good	40+	B1	10.8	366.0	-
T73	Oak (English)	On	16	1	Yes	750	7.0-8.0-8.0-7.0	6.0	5	N	M	None	Part of hedgerow. Crown lifted clear of both fields by 5m. Ivy clad	Good	Good	40+	B1	9.0	254.0	-
T74	Ash (Common)	On	13	1	Yes	400	4.0-4.0-4.0-4.0	4.0	3	S	M	None	Located within hedgerow. Typical for age and species.	Good	Fair	40+	C1	4.8	72.0	-
T75	Ash (Common)	On	12	1	Yes	300	4.0-4.0-4.0-4.0	4.0	3	S	EM	None	Located within hedgerow. Slight decline. Ditch to the south.	Fair	Good	40+	C1	3.6	41.0	-
T76	Oak (English)	On	11	1	Yes	680	4.0-4.0-4.0-4.0	3.0	2	E	M	None	Part of hedgerow. Stem has slight lean.	Good	Good	40+	B1	8.2	209.0	-
T77	Ash (Common)	On	6	1	Yes	500	3.0-4.0-3.0-4.0	4.0	3	S	EM	None	Located within hedgerow. Ditch to the north.	Fair	Good	20+	C1	6.0	113.0	-
T78	Willow (Crack)	On	16	2	Yes	860	6.0-8.0-8.0-8.0	4.0	1	E	M	None	Located within hedgerow. Minor deadwood in crown. Ditch to the north.	Good	Good	40+	A1	10.3	335.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T79	Elm (Wych)	Off	5	1	Yes	180	2.0-3.0-2.0-3.0	2.0	0	W	EM	None	Located within hedgerow. Ditch to the south.	Fair	Good	20+	C1	2.2	15.0	-
T80	Ash (Common)	On	10	1	Yes	300	5.0-4.0-5.0-4.0	4.0	3	W	EM	None	Located within hedgerow. Ditch to the north. Inonotus bracket at 3m.	Good	Fair	20+	C1	3.6	41.0	-
T81	Elm (Wych)	Off	7	1	Yes	200	2.0-2.0-2.0-2.0	3.0	0	W	EM	None	Located within hedgerow. Ditch to the south.	Good	Good	20+	C1	2.4	18.0	-
T82	Elm (Wych)	Off	5	1	Yes	160	2.0-2.0-2.0-2.0	3.0	0	W	EM	None	Located within hedgerow. Ditch to the south.	Good	Good	20+	C1	2.0	12.0	-
T83	Oak (English)	On	16	1	Yes	750	6.0-6.0-6.0-6.0	5.0	3	S	M	None	Part of hedgerow. Crown lifted by 5m. Ditch to the north.	Good	Good	40+	B1	9.0	254.0	-
T84	Ash (Common)	Off	12	2	Yes	490	4.5-4.0-4.0-4.0	3.0	0	None	SM	None	Off-site multi stemmed tree on railway embankment & field boundary	Good	Fair	20+	B1	5.9	109.0	-
T85	Ash (Common)	On	10	1	Yes	280	4.0-4.0-5.0-4.0	5.0	3	W	EM	None	Located within hedgerow. Ditch to the south. Slight decline.	Fair	Good	20+	C1	3.3	35.0	-
T86	Oak (English)	On	8	1	Yes	400	4.0-3.0-4.0-3.5	3.0	3	N	SM	None	Main stem splits @2.5m into 2x stems; large stump to N of stem	Good	Fair	20+	C1	4.8	72.0	-
T87	Ash (Common)	On	12	1	Yes	350	3.0-3.0-3.0-3.0	3.5	3	N	SM	None	Typical for age & species	Good	Fair	20+	C1	4.2	55.0	-
T88	Ash (Common)	On	10	1	Yes	350	4.0-3.0-3.5-3.0	3.5	2.5	N	SM	None	Typical for age & species	Good	Fair	20+	C1	4.2	55.0	-
T89	Apple	On	10	2	Yes	500	4.0-3.0-4.0-4.0	0.0	0	None	M	None	Established in wide verge adjacent to track; historical minor storm damage to S of crown @3m; does not appear to have been pruned at all	Good	Fair	40+	A1	6.0	113.0	-
T90	Hawthorn	Off	6	20	Yes	490	2.0-2.0-2.0-2.0	0.0	0	None	SM	None	Off-site tree on railway embankment	Good	Fair	20+	B1	5.9	109.0	-
T91	Ash (Common)	Off	10	15	Yes	770	3.0-3.0-3.0-3.0	0.0	0	None	SM	None	Off-site multi stemmed tree on railway embankment	Good	Fair	20+	B1	9.2	268.0	-
T92	Maple (Norway)	On	9	1	Yes	380	3.0-3.0-3.0-3.0	3.0	0	None	SM	None	Main stem splits @1m into 2x stems; dia. est. @0.25m	Good	Fair	20+	C1	4.5	65.0	-
T93	Ash (Common)	Off	10	15	Yes	770	3.0-3.0-3.0-3.0	0.0	0	None	SM	None	Off-site multi stemmed tree on railway embankment	Good	Fair	20+	B1	9.2	268.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T94	Beech (Common)	On	5	1	Yes	120	1.5-1.0-1.0-1.0	2.5	1.5	S	Y	None	Ditch to N; not plotted on topo	Good	Fair	20+	C1	1.5	7.0	-
T95	Lime (Common)	On	5	1	Yes	150	2.0-1.5-1.0-1.5	1.5	1.5	N	Y	None	Main stem splits @1m into 2; dia. est. @0.25m; ditch to N; not plotted on topo	Good	Fair	20+	C1	1.8	10.0	-
T96	Ash (Common)	On	10	1	Yes	350	4.0-3.0-3.0-3.0	3.5	3	N	SM	None	Water shoots triggered throughout crown; minor twiggy dieback	Fair	Fair	20+	C1	4.2	55.0	-
T97	Oak (English)	On	16	1	Yes	900	6.0-6.0-7.0-7.0	3.0	3	SW	M	None	Main stem splits @3m into 2 scaffold limbs; cranked scaffold & lateral limbs throughout crown; historical storm damage to mid crown + associated moderate sized deadwood; bark loss & decay; visible cavity to W scaffold @4m; good habitat value; ditch to E	Good	Fair	40+	A1	10.8	366.0	-
T98	Ash (Common)	On	8	1	Yes	350	4.0-3.0-3.0-2.5	3.0	0	None	SM	None	Main stem splits @1.5m into 2 stems which form a cohesive crown	Good	Fair	20+	C1	4.2	55.0	-
T99	Maple (Norway)	On	8	1	Yes	350	3.0-3.0-3.0-3.0	3.0	2	S	SM	None	Sub dominant limb to S (1st sig. limb) which forms part of a cohesive crown	Good	Fair	20+	C1	4.2	55.0	-
T100	Ash (Common)	On	12	1	Yes	350	3.0-2.0-3.0-3.0	3.0	2	W	SM	None	Main stem splits @2.5m into 2 stems which form a cohesive crown; ditch to N	Good	Fair	20+	C1	4.2	55.0	-
T101	Elm (English)	Off	10	20	Yes	540	3.0-3.0-3.0-3.0	0.0	0	None	SM	None	Off-site multi stemmed tree on railway embankment	Good	Fair	20+	B1	6.5	132.0	-
T102	Maple (Norway)	On	10	1	Yes	350	3.0-3.0-3.0-3.0	3.0	2.5	W	SM	None	Main stem splits @3m into 3x scaffold limbs	Good	Fair	20+	C1	4.2	55.0	-
T103	Chestnut (Horse)	On	6.5	1	Yes	300	2.5-2.5-2.0-2.0	1.5	0	None	SM	None	Main stem splits @2.5m into multiple stems which form a cohesive crown; ditch to S	Good	Fair	20+	C1	3.6	41.0	-
T104	Ash (Common)	On	12	1	Yes	350	3.0-3.0-3.0-3.0	3.0	2	N	SM	None	Main stem splits @2m into 2 stems which form a cohesive crown; ditch to N	Good	Fair	20+	C1	4.2	55.0	-
T105	Maple (Norway)	On	10	1	Yes	300	3.0-3.0-3.0-3.0	3.0	2.5	SW	SM	None	Main stem splits @3m into 3x scaffold limbs	Good	Fair	20+	C1	3.6	41.0	-

TREE SURVEY SCHEDULE

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SURVEY DATE: 22ND TO 30TH APRIL 2024

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T106	Ash (Common)	On	10	1	Yes	250	3.0-2.0-2.0-2.5	2.0	2	W	SM	None	Typical for age & species; ditch to N	Good	Fair	20+	C1	3.0	28.0	-
T107	Maple (Norway)	On	10	1	Yes	300	3.0-3.0-3.0-3.0	3.0	3	N	SM	None	Main stem splits @3m into 3x scaffold limbs	Good	Fair	20+	C1	3.6	41.0	-
T108	Maple (Norway)	On	9	1	Yes	300	3.0-3.0-3.0-3.0	3.0	2.5	SW	SM	None	Main stem splits @3m into 2x scaffold limbs	Good	Fair	20+	C1	3.6	41.0	-
T109	Chestnut (Horse)	On	7	1	Yes	300	2.5-2.5-2.5-2.5	1.5	0	None	SM	None	Main stem splits @2m into multiple stems which form a cohesive crown; ditch to S	Good	Fair	20+	C1	3.6	41.0	-
T110	Oak (English)	On	6	1	Yes	300	2.5-3.0-2.5-2.5	1.5	0	None	SM	None	Main stem splits @1.5m into 3 stems which form a cohesive crown; ditch to S	Good	Fair	20+	C1	3.6	41.0	-
T111	Maple (Norway)	On	10	1	Yes	350	3.0-3.0-3.0-3.0	3.0	2.5	N	SM	None	Main stem splits @3m into 5x scaffold limbs	Good	Fair	20+	C1	4.2	55.0	-
T112	Beech (Common)	On	7	1	Yes	150	1.5-1.5-1.5-1.5	2.5	2.5	W	Y	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	1.8	10.0	-
T113	Maple (Norway)	On	12	1	Yes	350	3.5-3.0-3.5-3.5	3.5	2.5	N	SM	None	Main stem splits @3m into 3x scaffold limbs	Good	Fair	20+	C1	4.2	55.0	-
T114	Ash (Common)	On	14	1	Yes	500	6.0-7.0-6.0-5.0	3.0	2	E	SM	None	Main stem splits @2.5m into 3 stems; ivy cover to N stem; ditch to S	Good	Fair	20+	B1	6.0	113.0	-
T115	Maple (Norway)	On	8	1	Yes	300	3.0-3.0-3.0-3.0	3.0	2.5	S	SM	None	Typical for age & species	Good	Fair	20+	C1	3.6	41.0	-
T116	Ash (Common)	On	13	1	Yes	500	6.0-7.0-6.0-6.0	3.0	2	S	SM	None	Main stem splits @2.5m into 4 stems; ditch to S	Good	Fair	20+	B1	6.0	113.0	-
T117	Ash (Common)	On	15	1	Yes	750	6.0-6.5-6.0-6.0	3.5	0	None	M	None	Hollowing to main stem; historical storm damage; crown formed by SM re-gen which has created an ungainly / non cohesive crown; ditch to N; good habitat value	Good	Fair	20+	B3	9.0	254.0	-
T118	Ash (Common)	On	7	2	Yes	280	3.0-3.0-3.0-3.0	3.0	0	None	SM	None	Twin stemmed forming a cohesive crown	Good	Fair	20+	C1	3.3	35.0	-
T119	Maple (Norway)	On	7.5	1	Yes	250	3.0-2.5-3.0-3.0	3.0	3	N	SM	None	Typical for age & species	Good	Fair	20+	C1	3.0	28.0	-
T120	Beech (Common)	On	7	1	Yes	300	3.0-3.0-2.5-2.5	2.5	1	N	SM	None	Ditch to N; main stem splits @1.5m into 3 stems	Good	Fair	20+	C1	3.6	41.0	-

TREE SURVEY SCHEDULE

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Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T121	Maple (Norway)	On	4.5	1	Yes	150	2.0-2.0-2.0-2.0	2.5	2.5	NE	SM	None	Typical for age & species; not plotted on topo	Good	Fair	20+	C1	1.8	10.0	-
T122	Oak (English)	On	5	1	Yes	110	1.0-1.0-1.0-1.0	1.5	1.5	W	Y	None	Typical for age & species; ditch to S; not plotted on topo	Good	Fair	20+	C1	1.3	5.0	-
T123	Maple (Norway)	On	6.5	1	Yes	220	2.5-2.5-2.5-2.5	2.5	2.5	N	SM	None	Main stem splits @2.5m into 2x stems	Good	Fair	20+	C1	2.6	22.0	-
T124	Ash (Common)	On	6.5	1	Yes	250	3.0-3.0-3.0-2.5	3.0	2.5	W	SM	None	Main stem splits @3m into 3x scaffold limbs	Good	Fair	20+	C1	3.0	28.0	-
T125	Rowan	On	5	1	Yes	100	1.0-1.0-1.0-1.0	1.5	1.5	W	Y	None	Typical for age & species; ditch to N; not plotted on topo	Good	Fair	20+	C1	1.3	5.0	-
T126	Ash (Common)	On	8	1	Yes	300	3.5-4.0-4.0-4.0	3.0	2.5	S	SM	None	Main stem splits @3.5m into 3x scaffold limbs	Good	Fair	20+	C1	3.6	41.0	-
T127	Maple (Norway)	On	6	1	Yes	200	3.0-3.0-2.5-3.0	2.5	2.5	N	SM	None	Main stem splits @2.5m into 3x stems	Good	Fair	20+	C1	2.4	18.0	-
T128	Maple (Norway)	On	6.5	1	Yes	200	2.5-3.0-2.5-2.5	2.5	2.5	W	SM	None	Main stem splits @3m into 4x stems	Good	Fair	20+	C1	2.4	18.0	-
T129	Ash (Common)	On	12	1	Yes	500	6.0-6.0-6.0-5.0	3.0	2.5	S	EM	None	Main stem splits @2.5m into 3 stems; light ivy cover to main & W stem	Good	Fair	20+	B1	6.0	113.0	-
T130	Lime (Common)	On	8	4	Yes	290	3.0-3.0-3.0-3.0	2.0	0	None	SM	None	Ditch to S; 4 stems which form a cohesive crown	Good	Fair	20+	C1	3.5	38.0	-
T131	Ash (Common)	On	8	1	Yes	300	3.5-3.5-3.5-3.5	2.5	2	SW	SM	None	Typical for age & species	Good	Fair	20+	C1	3.6	41.0	-
T132	Ash (Common)	On	9	3	Yes	320	3.0-3.0-3.0-3.0	3.0	0	None	SM	None	Tri stemmed forming a cohesive crown	Good	Fair	20+	C1	3.8	46.0	-
T133	Maple (Norway)	On	8	1	Yes	250	3.0-3.0-2.5-2.5	3.0	2.5	W	SM	None	Main stem splits @3m into 3x stems	Good	Fair	20+	C1	3.0	28.0	-
T134	Ash (Common)	On	8	1	Yes	300	3.0-3.5-3.0-3.0	3.0	2.5	SE	SM	None	Typical for age & species	Good	Fair	20+	C1	3.6	41.0	-
T135	Ash (Common)	On	10	1	Yes	250	3.0-3.0-3.0-3.0	1.5	1.5	SW	SM	None	Ditch to N; main stem splits into 2 stems @1.5m which form a cohesive crown	Good	Fair	20+	C1	3.0	28.0	-
T136	Oak (English)	On	8	1	Yes	450	5.0-4.0-3.5-4.0	3.0	0	None	SM	None	Main stem splits @2 - 3m into multiple scraps limbs creating a low spreading crown	Good	Fair	20+	B1	5.4	92.0	-
T137	Ash (Common)	On	12	1	Yes	350	4.0-4.0-4.0-4.0	2.5	2	S	SM	None	Ditch to S; typical for age & species	Good	Fair	20+	C1	4.2	55.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T138	Maple (Field)	On	9	1	Yes	200	3.0-3.0-3.0-3.0	1.5	1.5	N	SM	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	2.4	18.0	-
T139	Maple (Norway)	On	4.5	1	Yes	150	3.0-2.5-2.5-3.0	2.5	3	N	SM	None	Main stem splits @3m into 2x stems	Good	Fair	20+	C1	1.8	10.0	-
T140	Beech (Copper)	On	8	1	Yes	180	1.5-1.5-1.5-1.5	1.5	1.5	N	Y	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	2.2	15.0	-
T141	Chestnut (Horse)	On	6.5	1	Yes	150	2.5-2.5-2.0-2.0	1.5	1	SW	SM	None	Typical for age & species	Good	Fair	20+	C1	1.8	10.0	-
T142	Maple (Norway)	On	4.5	1	Yes	120	2.0-1.5-2.0-2.0	2.5	2.5	N	SM	None	Main stem splits @2.5m into 3x stems; not plotted on topo	Good	Fair	20+	C1	1.5	7.0	-
T143	Beech (Common)	On	8	1	Yes	200	3.0-3.0-2.5-2.5	0.5	1.5	NW	Y	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	2.4	18.0	-
T144	Lime (Common)	On	8	1	Yes	200	3.0-3.0-3.0-3.0	0.5	1.5	N	Y	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	2.4	18.0	-
T145	Ash (Common)	On	15	1	Yes	450	6.0-6.0-6.0-6.0	2.5	2.5	NE	SM	None	Typical for age & species	Fair	Fair	20+	C1	5.4	92.0	-
T146	Ash (Common)	On	8	1	Yes	280	2.5-3.0-2.0-2.0	2.5	0	None	SM	None	Main stem splits @2m into 2x stems	Good	Fair	20+	C1	3.3	35.0	-
T147	Oak (English)	On	7.5	1	Yes	380	3.5-3.5-2.5-3.5	3.0	2.5	W	SM	None	Main stem splits @2m into 4x stems creating a low spreading crown	Good	Fair	20+	C1	4.5	65.0	-
T148	Oak (English)	On	8	1	Yes	150	2.0-2.0-2.0-2.0	1.5	1.5	N	Y	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	1.8	10.0	-
T149	Ash (Common)	On	9	1	Yes	380	4.5-4.5-4.5-4.5	2.5	2.5	S	SM	None	Twin stemmed from 1m; visible bark damage to S stem; water shoots triggered around lower S of crown	Fair	Fair	20+	C1	4.5	65.0	-
T150	Ash (Common)	On	14	1	Yes	750	6.0-6.0-5.0-6.0	3.0	2.5	W	M	None	Hollowing to main stem; historical storm damage which has left an ungainly / non cohesive crown; small deadwood throughout crown; ditch to N; good habitat value	Fair	Fair	20+	B3	9.0	254.0	-
T151	Ash (Common)	On	9	1	Yes	280	3.0-3.5-2.5-2.0	2.5	1.5	SE	SM	None	Typical for age & species	Good	Fair	20+	C1	3.3	35.0	-
T152	Oak (English)	On	7	1	Yes	150	2.5-2.5-2.5-2.5	1.5	1.5	N	Y	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	1.8	10.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T153	Elm (English)	On	9	2	Yes	270	3.0-3.0-3.0-3.0	2.0	0	None	SM	None	Twin stemmed; typical for age & species	Good	Fair	20+	C1	3.2	33.0	-
T154	Maple (Norway)	On	5.5	1	Yes	150	3.0-2.5-2.0-2.0	2.5	3.5	NE	SM	None	Main stem splits @3m into 2x stems; not plotted on topo	Good	Fair	20+	C1	1.8	10.0	-
T155	Larch (Common)	On	7	1	Yes	150	2.5-2.5-1.5-1.5	1.5	1.5	E	Y	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	1.8	10.0	-
T156	Ash (Common)	On	7	3	Yes	300	4.0-3.5-3.0-3.0	2.5	0	None	SM	None	Tri stemmed tree with a cohesive crown	Good	Fair	20+	C1	3.6	41.0	-
T157	Maple (Norway)	On	5	1	Yes	150	3.0-3.0-3.0-3.0	2.5	2.5	NE	SM	None	Main stem splits @2m into 3x stems; not plotted on topo	Good	Fair	20+	C1	1.8	10.0	-
T158	Ash (Common)	On	8	1	Yes	200	3.5-3.5-3.5-3.5	1.5	2	N	SM	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	2.4	18.0	-
T159	Ash (Common)	On	9	1	Yes	350	5.0-3.5-4.0-4.0	2.5	2.5	N	SM	None	Small twiggy dieback & water shoots triggered throughout crown; recent minor storm damage to SW @3m	Fair	Fair	20+	C1	4.2	55.0	-
T160	Ash (Common)	On	14	1	Yes	500	6.0-6.0-6.0-5.0	3.5	2	W	SM	None	Main stem splits @2m into 3 stems	Good	Fair	20+	B1	6.0	113.0	-
T161	Oak (English)	On	7	1	Yes	250	2.5-3.0-3.0-3.0	3.0	3	W	SM	None	Noon progressive lean to N; main stem splits @3m into 2x stems	Good	Fair	20+	C1	3.0	28.0	-
T162	Maple (Norway)	On	6	1	Yes	250	3.0-3.0-3.0-3.0	2.5	2.5	NE	SM	None	Main stem splits @3m into 4x stems	Good	Fair	20+	C1	3.0	28.0	-
T163	Chestnut (Horse)	On	10	1	Yes	350	3.0-3.0-2.5-2.5	1.5	1.5	E	SM	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	4.2	55.0	-
T164	Maple (Norway)	On	7	1	Yes	220	3.0-3.0-3.0-3.0	2.5	2.5	NE	SM	None	Main stem splits @3m into 2x stems	Good	Fair	20+	C1	2.6	22.0	-
T165	Pine (Scots)	On	4	1	Yes	70	1.0-1.0-1.0-1.0	1.5	1.5	W	Y	None	Ditch to N; sparse crown; not plotted on topo	Fair	Fair	10+	C1	0.8	2.0	-
T166	Oak (English)	On	12	1	Yes	200	3.0-3.0-3.0-3.0	1.0	1	S	SM	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	2.4	18.0	-
T167	Ash (Common)	On	12	1	Yes	450	5.0-4.5-5.0-5.0	3.5	2	SE	SM	None	Main stem splits @2m into 4 stems	Good	Fair	20+	B1	5.4	92.0	-
T168	Ash (Common)	On	13	1	Yes	400	5.0-6.0-5.0-4.0	3.5	2	W	SM	None	Main stem splits @2m into 3 stems	Good	Fair	20+	B1	4.8	72.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T169	Elm (English)	On	13	1	Yes	400	5.0-5.0-5.0-5.0	2.0	0.25	S	EM	None	Sub dominant stem to S; good vigour throughout crown	Good	Fair	20+	B1	4.8	72.0	-
T170	Maple (Norway)	On	8	2	Yes	280	3.0-3.0-3.0-3.0	2.5	2.5	N	SM	None	Twin stemmed tree	Good	Fair	20+	C1	3.3	35.0	-
T171	Oak (English)	On	10	2	Yes	850	8.0-7.0-6.0-6.0	2.5	0	None	M	None	Twin stemmed forming a cohesive & wide spreading crown	Good	Fair	40+	B1	10.2	327.0	-
T172	Oak (English)	On	5.5	1	Yes	220	3.5-3.0-2.0-2.0	2.5	3	N	SM	None	Heavily cranked main stem which splits @3m into 4x stems	Good	Fair	20+	C1	2.6	22.0	-
T173	Ash (Common)	On	12	1	Yes	350	4.0-4.0-4.0-4.0	2.5	0	None	SM	None	Twin stemmed from 1m; dia. est. @0.5m	Good	Fair	20+	C1	4.2	55.0	-
T174	Maple (Norway)	On	7	1	Yes	220	3.5-3.0-2.5-2.5	2.5	2.5	N	SM	None	Main stem splits @3m into 2x stems	Good	Fair	20+	C1	2.6	22.0	-
T175	Maple (Norway)	On	7	1	Yes	200	3.5-2.5-2.5-2.5	2.5	2.5	NW	SM	None	Main stem splits @2.5m into 3x stems	Good	Fair	20+	C1	2.4	18.0	-
T176	Maple (Norway)	On	6	1	Yes	200	3.5-3.0-2.5-3.0	2.5	2	N	SM	None	Main stem splits @2.5m into 3x stems	Good	Fair	20+	C1	2.4	18.0	-
T177	Lime (Common)	On	7	1	Yes	200	2.5-3.0-2.5-2.5	2.0	0	None	SM	None	Main stem splits @1m into 3; dia. est. @0.5m	Good	Fair	20+	C1	2.4	18.0	-
T178	Maple (Norway)	On	5	1	Yes	150	3.0-3.0-3.0-3.0	2.5	2	E	SM	None	Typical for age & species	Good	Fair	20+	C1	1.8	10.0	-
T179	Oak (English)	On	8	1	Yes	220	3.5-3.0-3.0-3.0	2.5	2.5	NW	SM	None	Main stem splits @3m into 4x stems	Good	Fair	20+	C1	2.6	22.0	-
T180	Chestnut (Horse)	On	9	1	Yes	300	3.0-3.0-3.0-2.5	2.5	2.5	W	Y	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	3.6	41.0	-
T181	Chestnut (Horse)	On	8	1	Yes	200	2.0-1.5-1.5-1.5	2.5	1.5	S	Y	None	Ditch to N; typical for age & species; not plotted on topo	Good	Fair	20+	C1	2.4	18.0	-
T182	Beech (Common)	On	6	1	Yes	120	2.0-2.0-1.5-1.0	1.5	1.5	SW	Y	None	Ditch to N; typical for age & species	Good	Fair	20+	C1	1.5	7.0	-
T183	Ash (Common)	On	13	1	Yes	450	5.0-5.0-5.0-6.0	2.5	2.5	W	SM	None	Typical for age & species	Good	Fair	20+	B1	5.4	92.0	-
T184	Oak (English)	On	8	1		330	5.0-5.0-4.5-4.0	1.5	2	W	SM	None	No significant defects	Good	Good	40+	B1	3.9	49.0	-
T185	Ash (Common)	On	6	1	Yes	220	4.0-4.0-4.0-2.0	2.0	1.5	S	SM	None	No significant defects. Ditch to east	Good	Good	20+	B1	2.6	22.0	-
T186	Ash (Common)	On	6	2	Yes	330	5.0-4.0-4.0-3.0	2.0	2	W	SM	None	Twin stem at base. Ditch to east	Good	Good	20+	B1	3.9	49.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T187	Ash (Common)	On	10	1	Yes	280	5.0-4.0-5.0-4.0	2.0	2.5	W	SM	None	Ditch to south. Possible early signs of ash dieback in crown	Fair	Good	10+	C1	3.3	35.0	-
T188	Ash (Common)	On	8	1	Yes	250	3.0-4.0-4.0-4.0	2.0	2.5	W	SM	None	Ditch to north. Signs of ash dieback in crown	Fair	Good	10+	C1	3.0	28.0	-
T189	Ash (Common)	On	8	1	Yes	280	4.0-4.0-4.0-4.0	2.0	2	NW	SM	None	Ditch to south	Good	Good	20+	B1	3.3	35.0	-
T190	Ash (Common)	On	11	1	Yes	320	5.0-5.0-5.0-5.0	2.0	2.5	W	EM	None	No significant defects	Good	Good	20+	B1	3.8	46.0	-
T191	Ash (Common)	On	9	1	Yes	320	5.0-5.0-4.0-5.0	2.0	2	E	SM	None	Shallow ditch to south	Good	Good	20+	B1	3.8	46.0	-
T192	Ash (Common)	On	9	1	Yes	270	5.0-5.0-3.0-5.0	2.0	3	E	SM	None	Shallow ditch to south	Good	Good	20+	B1	3.2	33.0	-
T193	Ash (Common)	On	9	1	Yes	270	5.0-5.0-2.5-5.0	2.0	3	W	SM	None	Shallow ditch to south	Good	Good	20+	B1	3.2	33.0	-
T194	Elm (English)	On	10	1	Yes	400	2.5-5.0-3.0-4.0	1.5	1.5	E	EM	None	Dead stem has been leant against the main stem; good vigour throughout crown	Good	Fair	20+	B1	4.8	72.0	-
T195	Ash (Common)	On	8	1	Yes	500	5.0-5.0-4.0-5.0	2.5	2.5	W	M	None	Signs of ash dieback in crown. Inonotus hispidus west at 2m. Decay and open cavity in stem from 2m to top of tree. Habitat potential	Fair	Fair	10+	C3	6.0	113.0	-
T196	Ash (Common)	On	9	2	Yes	180	2.0-2.5-2.0-2.0	3.0	0	None	SM	None	Twin stemmed forming a cohesive crown	Fair	Fair	20+	C1	2.2	15.0	-
T197	Ash (Common)	On	12	1	Yes	800	6.0-6.0-5.0-6.0	2.5	0	None	M	None	Decayed mature bole with SM re-gen forming a new crown; visible woodpecker activity; hollowing & decaying timber volume to main stem; good habitat value	Fair	Fair	20+	B3	9.6	290.0	-
T198	Ash (Common)	On	8	1	Yes	280	3.0-3.0-3.0-3.0	2.5	2	S	SM	None	Signs of ash dieback in crown. Asymmetric lower crown over track to north	Fair	Good	10+	C1	3.3	35.0	-
T199	Ash (Common)	On	13	2	Yes	450	5.0-7.0-5.0-6.0	3.0	0	None	SM	None	Twin stemmed forming a cohesive crown	Good	Fair	20+	C1	5.4	92.0	-
T200	Ash (Common)	On	9	1	Yes	250	3.5-3.0-3.0-3.0	3.0	2.5	N	SM	None	Main stem splits @2.5m into 3 stems	Good	Fair	20+	C1	3.0	28.0	-
T201	Ash (Common)	On	9	1	Yes	300	4.0-3.0-2.0-3.0	2.5	2	W	SM	None	Ditch to south. Signs of ash dieback in crown	Fair	Good	10+	C1	3.6	41.0	-
T202	Ash (Common)	On	8	1	Yes	350	3.0-3.0-3.0-3.0	3.0	3	W	SM	None	Main stem splits @3m into 2 stems	Good	Fair	20+	C1	4.2	55.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T203	Oak (English)	On	11	1	Yes	400	6.0-6.0-5.0-6.0	2.0	2.5	E	EM	None	Ditch to south	Good	Good	40+	B1	4.8	72.0	-
T204	Ash (Common)	On	9	2	Yes	290	3.5-3.0-3.0-3.0	1.5	0	None	SM	None	Twin stemmed forming a cohesive crown	Good	Fair	20+	C1	3.5	38.0	-
T205	Ash (Common)	On	8	3	Yes	320	4.0-3.0-3.0-3.0	1.5	0	None	SM	None	Tri stemmed forming a cohesive crown	Good	Fair	20+	C1	3.8	46.0	-
T206	Ash (Common)	On	9	1	Yes	250	4.5-3.5-3.5-3.5	2.0	2	N	SM	None	Main stem splits @2m into 3 limbs	Good	Fair	20+	C1	3.0	28.0	-
T207	Ash (Common)	On	9	1	Yes	350	3.0-4.0-3.5-4.0	2.5	3	NW	SM	None	Main stem splits @3m into 3 limbs	Good	Fair	20+	C1	4.2	55.0	-
T208	Oak (English)	On	8	1	Yes	380	4.0-4.0-4.0-4.0	2.5	2	S	SM	None	Main stem splits @3m into several limbs forming a cohesive crown	Good	Fair	20+	C1	4.5	65.0	-
T209	Oak (English)	On	10	1	Yes	400	5.0-4.0-4.5-4.0	2.5	2	NE	SM	None	Main stem splits @2 - 3m into 5 limbs forming a cohesive crown	Good	Fair	20+	C1	4.8	72.0	-
T210	Oak (English)	On	10	1	Yes	400	6.0-5.0-5.0-4.5	2.5	2	S	SM	None	Main stem splits @2.5m into 4 limbs forming a cohesive crown	Good	Fair	20+	C1	4.8	72.0	-
T211	Ash (Common)	On	7	1	Yes	300	5.0-4.0-3.0-3.0	2.5	2.5	NE	SM	None	Ditch to south. Early signs of ash dieback	Fair	Good	10+	C1	3.6	41.0	-
T212	Ash (Common)	On	10	1	Yes	350	5.0-5.0-5.0-5.0	2.0	3	W	SM	None	Ditch to south	Good	Good	20+	B1	4.2	55.0	-
T213	Ash (Common)	On	10	2	Yes	400	3.5-3.0-3.5-4.0	3.0	0	None	SM	None	Sub dominant stem to E; causing rubbing of stems & a hindrance to good crown development of both the stem & parent tree	Good	Fair	20+	C1	4.8	72.0	-
T214	Ash (Common)	On	9	1	Yes	300	3.5-3.5-3.0-3.0	3.0	0	None	SM	None	Twin stemmed from 1m forming a cohesive crown; dia. est. @ 0.25m	Good	Fair	20+	C1	3.6	41.0	-
T215	Ash (Common)	On	9	1	Yes	300	5.0-5.0-3.0-5.0	2.0	2.5	W	SM	None	Ditch to south	Good	Good	20+	B1	3.6	41.0	-
T216	Maple (Field)	On	5	2	Yes	250	4.0-3.0-2.0-3.0	2.0	2	W	SM	None	Ditch to south. Twin stem at 0.5m	Good	Fair	20+	B1	3.0	28.0	-
T217	Ash (Common)	On	9	1		300	5.0-5.0-4.0-4.0	2.0	2	S	SM	None	Ditch to south. Pruning wounds on stem	Good	Good	20+	B1	3.6	41.0	-
T218	Ash (Common)	On	10	1		300	3.0-5.0-4.0-3.0	2.0	2	E	SM	None	Tear out wound to north over track	Good	Good	20+	B1	3.6	41.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T219	Elm (English)	On	9	1	Yes	300	3.5-3.0-3.0-3.0	2.5	0	N	EM	None	Sub dominant stem to N which is causing rubbing of stems & a hindrance to good crown development of both the stem & parent tree; good vigour throughout crown	Good	Fair	20+	B1	3.6	41.0	-
T220	Ash (Common)	On	6	1		200	3.0-3.0-2.0-3.0	2.0	2	E	SM	None	Ditch to south	Fair	Good	10+	C1	2.4	18.0	-
T221	Ash (Common)	On	8	1		200	4.0-4.0-3.0-4.0	2.5	2.5	E	SM	None	Possible early signs of ash dieback. Ditch to south	Fair	Good	10+	C1	2.4	18.0	-
T222	Ash (Common)	On	8	1		300	4.0-4.0-4.0-4.0	2.5	2.5	E	SM	None	Tear out wound in branch north over track. Possible early signs of ash dieback	Fair	Good	10+	C1	3.6	41.0	-
T223	Ash (Common)	On	10	1		300	4.0-4.0-4.0-4.0	2.5	2.5	E	SM	None	No significant defects	Good	Good	20+	B1	3.6	41.0	-
T224	Ash (Common)	On	8	1	Yes	280	4.0-3.0-2.0-4.0	2.5	2.5	W	SM	None	Ditch to south. Early signs of ash dieback	Fair	Fair	10+	C1	3.3	35.0	-
T225	Ash (Common)	On	8	2	Yes	220	4.0-2.0-4.0-3.0	2.0	2.5	S	SM	None	Twin stem at base. Early signs of ash dieback. Gaps in crown due to pruning	Fair	Fair	10+	C1	2.6	22.0	-
T226	Ash (Common)	On	8	2	Yes	280	5.0-3.0-5.0-4.0	2.0	2.5	W	SM	None	Twin stem at base. Early signs of ash dieback. Gaps in crown due to pruning	Fair	Fair	10+	C1	3.3	35.0	-
T227	Ash (Common)	On	8	1	Yes	300	5.0-4.0-5.0-4.0	2.0	2.5	N	SM	None	Hedge row tree	Good	Good	20+	B1	3.6	41.0	-
T228	Ash (Common)	On	7	1	Yes	250	3.0-3.0-3.0-3.0	2.0	2	S	SM	None	Hedge row tree. Some deadwood in crown	Fair	Fair	10+	C1	3.0	28.0	-
T229	Ash (Common)	On	16	1	Yes	700	7.0-6.0-7.0-6.5	3.5	2.5	S	M	None	Large area of bark damage & visible cavity to S of stem; low vigour throughout crown with moderate sized deadwood in upper crown; visible woodpecker activity & small twiggy dieback throughout crown; good habitat value	Fair	Fair	10+	C3	8.4	222.0	-
T230	Ash (Common)	On	9	1	Yes	500	6.0-5.0-5.0-4.0	3.5	3.5	N	EM	None	Large area of bark damage & visible cavity to E of stem; large pruning wound to E of stem @4m; low vigour throughout crown with small twiggy dieback; good habitat value	Fair	Fair	20+	C3	6.0	113.0	-

TREE SURVEY SCHEDULE

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SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T231	Ash (Common)	On	16	1		600	6.0-7.0-6.0-6.0	2.0	3	SW	M	None	Field boundary ditch to south	Good	Good	20+	B1	7.2	163.0	-
T232	Ash (Common)	On	9	1	Yes	350	4.0-4.0-3.5-3.0	3.5	2.5	E	SM	None	Typical for age & species	Good	Fair	20+	C1	4.2	55.0	-
T233	Ash (Common)	On	8	1	Yes	300	3.5-3.0-2.5-2.5	3.5	2.5	N	SM	None	Typical for age & species	Good	Fair	20+	C1	3.6	41.0	-
T234	Oak (English)	On	16	1	Yes	900	7.5-7.0-7.0-8.0	3.5	2	S	M	None	Main stem splits @3.5m into 4 scaffold limbs; historical storm damage to S @6.5m + associated damage & vigorous re-gen around wound; small sized deadwood throughout mid crown; access track to E	Good	Fair	40+	A1	10.8	366.0	-
T235	Ash (Common)	On	8	1	Yes	700	3.5-3.5-3.5-3.5	3.0	0	None	M	None	Decayed mature bole with SM re-gen forming a new crown; visible hollowing to main stem; good habitat value	Fair	Fair	20+	B3	8.4	222.0	-
T236	Ash (Common)	On	9	1	Yes	250	3.0-3.0-3.0-3.0	1.5	1.5	E	EM	None	Field boundary ditch to north	Fair	Fair	10+	C1	3.0	28.0	-
T237	Ash (Common)	On	14	1	Yes	650	6.5-5.5-5.0-5.0	3.0	3.5	SW	M	None	Main stem splits @5.5m into 3; visible woodpecker activity to S of stem @6m; lack of vigour with small to moderate sized deadwood throughout crown; hung-up deadwood to W of crown @7m; good habitat value	Fair	Fair	20+	B3	7.8	191.0	-
T238	Hawthorn	On	8	2	Yes	490	3.0-2.0-3.0-2.5	1.0	0.5	E	LM	None	Field boundary ditch to north. Twin stem at base. Ivy clad stems. Cavities in stems. Declining vitality	Fair	Fair	10+	C3	5.9	109.0	-
T239	Hawthorn	On	10	1	Yes	250	2.0-3.0-2.0-1.0	0.0	1	E	EM	None	Field boundary ditch to north. Dense ivy clad stem and crown impacting vitality	Poor	Fair	10+	C1	3.0	28.0	-
T240	Ash (Common)	On	12	1	Yes	800	5.0-8.0-5.0-5.0	2.0	3	SW	M	None	Field boundary ditch to north. Dense ivy on stem.	Fair	Fair	20+	B1	9.6	290.0	-
T241	Ash (Common)	On	13	1		400	5.0-2.0-2.0-5.0	3.0	3	S	EM	None	Field boundary ditch to north. Ivy clad stem. Poorly pruned branch stubs south	Fair	Fair	10+	C1	4.8	72.0	-
T242	Ash (Common)	On	14	1	Yes	750	6.0-6.0-3.0-5.0	2.0	3	S	M	None	Field boundary ditch to north and west. Ivy clad stem	Good	Fair	20+	B1	9.0	254.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

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SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T243	Willow (Crack)	On	13	6	Yes	370	6.0-4.0-3.0-5.0	0.0	0	N	LM	None	Field boundary ditch to north. Partially failed stems	Good	Fair	10+	C1	4.4	62.0	-
T244	Ash (Common)	On	16	2	Yes	570	7.0-7.0-5.0-5.0	3.0	0	SW	M	None	Field boundary ditch to north. Minor deadwood in crown	Fair	Fair	20+	B1	6.8	147.0	-
T245	Hawthorn	On	4	6	Yes	180	1.5-1.0-1.0-1.0	0.5	0.5	W	M	None	Field boundary ditch to north. Declining poor vitality	Poor	Fair	<10	U	2.2	15.0	-
T246	Ash (Common)	On	14	1	Yes	600	5.0-6.0-5.0-5.0	4.0	3	S	M	None	Located within hedgerow. In decline. Ditch to the north. Inontus just below main union.	Fair	Good	20+	C1	7.2	163.0	-
T247	Hawthorn	Off	4	7	Yes	110	1.0-1.0-1.0-1.0	0.0	0	N	EM	None	Railway offsite tree.	Good	Good	20+	C1	1.3	5.0	-
T248	Willow (Crack)	On	14	6	Yes	1220	7.0-7.0-7.0-7.0	1.5	0.5	N	M	None	Field boundary ditch to north	Good	Fair	20+	B1	14.6	673.0	-
T249	Ash (Common)	On	15	1	Yes	500	6.0-6.0-4.0-6.0	4.0	5	N	M	None	Field boundary ditch to north	Good	Fair	20+	B1	6.0	113.0	-
T250	Oak	On	9	1	Yes	400	3.0-3.0-3.0-3.0	4.0	4	N	M	None	Hedgerow tree; storm damaged throughout crown.	Good	Fair	40+	B1	4.8	72.0	-
T251	Ash (Common)	On	13	2	Yes	430	6.0-6.0-4.0-6.0	2.0	0.5	W	M	None	Field boundary ditch to north. Multi stemmed at base. Ivy clad	Good	Fair	20+	C1	5.2	84.0	-
T252	Ash (Common)	On	18	1	Yes	800	8.0-6.0-8.0-6.0	2.0	0.5	N	M	None	Field boundary ditch to south. Ivy clad stem. Large broken hanging branch in crown. Basal growth becoming secondary stems	Fair	Fair	20+	B3	9.6	290.0	-
T253	Ash (Common)	On	14	2	Yes	630	6.0-6.0-6.0-6.0	1.0	2.5	S	M	None	Twin stem at base. Growing in ditch	Good	Good	40+	B1	7.6	180.0	-
T254	Ash (Common)	Off	9	1	Yes	250	5.0-7.0-4.0-1.0	2.0	0.5	SE	SM	None	Corrected lean SE from partially failed base	Good	Fair	10+	C1	3.0	28.0	-
T255	Ash (Common)	Off	7	6		220	5.0-3.0-3.0-5.0	1.0	0	N	EM	None	Multi stemmed at base. Growing on rail land	Good	Fair	10+	C1	2.6	22.0	-
T256	Willow (Goat)	Off	3	6	Yes	180	4.0-3.0-2.0-3.0	0.0	0	E	EM	None	Growing on rail embankment. Multi stemmed at base	Good	Fair	10+	C1	2.2	15.0	-
T257	Maple (Field)	Off	8	6	Yes	440	3.0-3.0-3.0-3.0	2.0	0	N	M	None	Offsite railway tree. Crown lifted over field up to 3m.	Good	Good	40+	C1	5.3	88.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T258	Ash (Common)	On	18	2	Yes	810	12.0-8.0-8.0-12.0	6.0	5	S	M	None	Located on edge of stream at bottom of bank; base covered by scrub. Typical for age and species.	Good	Good	40+	B1	9.7	297.0	-
T259	Hawthorn	On	8	3		380	3.0-3.0-3.0-3.0	2.0	1	N	M	None	Multistem located within site. Crown lifted to 3m.	Good	Good	40+	B1	4.5	65.0	-
T260	Hawthorn	On	8	2		340	3.0-3.0-3.0-3.0	3.0	1	N	M	None	Multistem located within site. Crown lifted to 3m over field side.	Good	Good	40+	C1	4.1	52.0	-
T261	Hawthorn	On	8	2		340	3.0-6.0-3.0-3.0	2.5	1	N	M	None	Multistem located within site. Crown lifted to 3m over field side.	Good	Good	40+	B1	4.1	52.0	-
T262	Hawthorn	On	8	9		450	3.0-3.0-3.0-3.0	3.0	1	N	M	None	Multistem located within site. Crown lifted to 3m over field side.	Good	Good	40+	B1	5.4	92.0	-
T263	Ash (Common)	On	14	1	Yes	400	6.0-5.0-5.0-5.0	4.0	1	N	M	None	Sided on road side due to proximity to power lines.	Fair	Good	20+	C1	4.8	72.0	-
T264	Hawthorn	On	8	2	Yes	520	3.0-3.0-3.0-3.0	2.0	2	N	M	None	Cavities in stem; full crown. One stem leaning.	Good	Fair	40+	B1	6.2	122.0	-
T265	Hawthorn	On	8	1	Yes	500	3.0-3.0-3.0-3.0	3.0	2	N	M	None	Large cavity in main stem. Full crown.	Good	Fair	40+	B3	6.0	113.0	-
T266	Maple (Field)	On	17	1	Yes	700	7.0-6.0-7.0-6.0	3.0	1	N	M	None	Located on bank; large diameter for species. Flailed up to 3m on field side; no significant defects noted.	Good	Good	40+	A1	8.4	222.0	-
T267	Ash (Common)	On	17	2	Yes	680	9.0-7.0-8.0-7.0	4.0	2	N	M	None	Twin stem from base; potentially two closely linked trees. Located on bank. No significant defects noted.	Fair	Good	40+	B1	8.2	209.0	-
T268	Ash (Common)	On	16	1	Yes	950	11.0-8.0-9.0-8.0	3.0	3	S	M	None	Large diameter ash on edge of bank. Minor storm damage in crown. Ivy clad up to 1/2 of crown.	Good	Fair	40+	B3	11.4	408.0	-
T269	Oak (English)	On	5	1	Yes	120	2.0-2.0-2.0-2.0	1.0	1	N	SM	None	Located on edge of stream bank; typical for age and species.	Good	Good	40+	C1	1.5	7.0	-
T270	Hawthorn	On	10	1	Yes	150	3.0-3.0-3.0-3.0	6.0	6	N	EM	None	Ivy clad tree; part of boundary.	Fair	Fair	20+	C1	1.8	10.0	-
T271	Birch (Silver)	Off	6	4	Yes	100	1.0-1.0-1.0-1.0	0.0	0.5	N	M	None	Offsite railway tree	Good	Good	40+	C1	1.3	5.0	-

TREE SURVEY SCHEDULE

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T272	Oak (English)	Off	5	2	Yes	220	4.0-2.0-4.0-2.0	0.5	0.5	N	SM	None	Growing on rail land. Twin stem at base	Good	Fair	20+	C1	2.6	22.0	-
T273	Elder	Off	3	6	Yes	180	1.0-2.0-2.0-2.0	0.0	0	S	M	None	Reduced vitality. Growing on rail land	Fair	Fair	10+	C1	2.2	15.0	-
T274	Blackthorn	Off	5	6	Yes	120	1.0-1.0-1.0-1.0	0.0	0	N	M	None	Offsite railway tree. In decline.	Fair	Fair	10+	C1	1.5	7.0	-
T275	Ash (Common)	On	6	1	Yes	230	3.0-3.0-3.0-3.0	2.0	2	NW	SM	None	No significant defects	Good	Good	20+	C1	2.8	24.0	-
T276	Ash (Common)	On	8	2	Yes	380	4.0-4.0-4.0-4.0	2.0	1	W	SM	None	Twin stem at base	Good	Good	20+	B1	4.5	65.0	-
T277	Ash (Common)	On	4	2	Yes	110	1.0-1.0-1.0-1.0	0.5	0.5	W	Y	None	Twin stem at base; establishing tree. Not on topo	Good	Fair	20+	C1	1.3	5.0	-
T278	Ash (Common)	On	16	3	Yes	870	6.0-6.0-5.0-4.0	4.0	6	E	M	None	Ditch to east. 3x stems at base. Dense epicormic on lower stems. Significant decay at stem unions into eastern subservient stem. Stem is approx 12m. Consider creating monolith if tree has potential to impact proposal	Fair	Poor	10+	C3	10.4	342.0	-
T279	Ash (Common)	On	8	3	Yes	380	6.0-3.0-4.0-3.0	0.5	0.5	S	SM	None	Multi stem at base	Good	Fair	20+	C1	4.5	65.0	-
T280	Ash (Common)	On	8	2	Yes	280	4.0-4.0-4.0-4.0	0.5	0.5	N	SM	None	Twin stem at base	Good	Fair	20+	C1	3.3	35.0	-
T281	Willow (Crack)	On	13	1		720	7.0-7.0-7.0-7.0	0.0	2	N	M	None	Basal decay due to failed twin stem. Access track to north. Ditch to NW	Good	Fair	20+	B1	8.6	235.0	-
T282	Willow (Goat)	Off	8	6		370	5.0-4.0-4.0-5.0	0.0	0	N	EM	None	Growing on railway embankment	Good	Fair	20+	B1	4.4	62.0	-
T283	Willow (Crack)	On	4	6		180	2.0-2.0-2.0-2.0	0.0	0	S	SM	None	Regrowth from felled tree. Growing in field boundary ditch	Good	Fair	10+	C1	2.2	15.0	-
T284	Willow (Goat)	On	6	6		180	3.0-3.0-3.0-3.0	0.0	0.5	N	EM	None	Multi stemmed where tree has been topped at 0.5m	Good	Fair	10+	C1	2.2	15.0	-

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T285	Ash (Common)	On	15	1	Yes	800	7.0-8.0-8.0-8.0	3.5	0.25	W	M	None	Main stem splits @8m into 3 scaffold limbs; historical storm damage to upper crown; vigorous re-gen in last 20 years throughout crown; exposed & damaged roots; main stem swathed in ivy; woodpecker activity around wound sites; good habitat. Not on topo	Good	Fair	20+	B3	9.6	290.0	-
T286	Maple (Field)	Off	14	1	Yes	650	6.0-6.0-6.0-6.0	2.0	0	W	M	None	Offsite tree amongst outgrown boundary hedge; good vigour throughout crown; good example of species. Not on topo	Good	Fair	40+	A1	7.8	191.0	-
T287	Ash (Common)	On	18	2	Yes	1060	7.0-8.0-7.0-6.0	3.5	0	None	M	None	Twin stemmed forming a slightly disjointed crown; small to moderate deadwood throughout crown; visible decay pockets around old wounds; ivy cover to W stem. Not on topo	Good	Fair	20+	B1	12.7	508.0	-
T288	Maple (Field)	Off	12	1	Yes	700	6.0-6.0-6.0-6.0	2.0	0	None	M	None	Offsite tree within private garden; cursory inspection from boundary; visible small cavities to main stem. Not on topo	Good	Fair	40+	A1	8.4	222.0	-
T289	Rowan	On	5	3	Yes	170	1.5-1.5-1.5-1.5	0.0	0	None	SM	None	Established within field margin; possibly planted by resident for screening. Not on topo	Good	Fair	20+	C1	2.0	13.0	-
T290	Hawthorn	Off	3	1	Yes	350	1.5-1.5-1.5-1.5	1.0	0	None	M	None	Established to residential boundary; topped @2m. Not on topo	Good	Fair	20+	B1	4.2	55.0	-
T291	Hawthorn	Off	6	1	Yes	250	2.5-2.5-2.5-2.5	1.0	0	None	M	None	Established to residential boundary; cursory inspection from boundary. Not on topo	Good	Fair	20+	B1	3.0	28.0	-
T292	Ash (Common)	On	18	1	Yes	800	7.0-5.0-8.5-7.0	3.5	6	NE	M	None	Offsite tree; cursory inspection from boundary. Not on topo	Good	Fair	20+	B1	9.6	290.0	-
T293	Beech (Common)	Off	10	1	Yes	200	3.0-3.0-3.0-3.0	2.0	2	NW	SM	None	Offsite tree within private garden; cursory inspection from boundary. Not on topo	Good	Fair	20+	C1	2.4	18.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T294	Cypress (Leyland)	On	12	1	Yes	250	3.0-3.0-3.0-3.0	0.0	0	N	SM	None	Ownership unclear. Asymmetric lower crown due to adjacent hawthorn. Not on topo	Good	Good	20+	C1	3.0	28.0	-
T295	Cherry (Wild)	On	10	1	Yes	350	4.0-4.0-4.0-4.0	0.5	1.5	N	M	None	Dense ivy on stem and crown. Not on topo	Good	Good	20+	B1	4.2	55.0	-
T296	Elder	On	3	6	Yes	180	1.0-1.0-1.0-1.0	0.0	0	N	M	None	Multi stemmed at base. Not on topo	Good	Good	10+	C1	2.2	15.0	-
T297	Birch (Silver)	On	10	1	Yes	250	3.0-4.0-3.0-4.0	0.0	0	N	SM	None	Dense ivy on stem and in crown. Not on topo	Good	Good	40+	B1	3.0	28.0	-
T298	Cypress (Leyland)	On	10	1	Yes	200	3.0-3.0-3.0-3.0	0.0	0	N	SM	None	No significant defects. Not on topo	Good	Good	20+	C1	2.4	18.0	-
T299	Hawthorn	On	7	2	Yes	460	3.0-4.0-4.0-3.0	0.0	2	W	M	None	Ditch to west. Dense ivy in crown. Not on topo	Fair	Fair	10	C3	5.5	96.0	-
T300	Damson	On	7	1	Yes	100	2.0-2.0-3.0-4.0	0.5	0.5	SW	M	None	Dense herbaceous vegetation at base. Partially collapsed. Not on topo	Good	Poor	<10	U	1.3	5.0	-
T301	Maple (Field)	On	10	1	Yes	300	5.0-5.0-3.0-4.0	0.5	0.5	SW	EM	None	Dense herbaceous vegetation at base. Not on topo	Good	Good	20+	B1	3.6	41.0	-
T302	Ash (Common)	On	13	1	Yes	350	5.0-5.0-5.0-5.0	2.0	2	N	EM	None	Dense ivy on stem. Dense sub 75mm vegetation at base. Growing field boundary ditch. Not on topo	Good	Fair	20+	B1	4.2	55.0	-
T303	Ash (Common)	On	13	3	Yes	480	4.0-4.0-4.0-4.0	2.0	1.5	SW	EM	None	Growing in ditch on site side. Growing on lower ground than site.	Fair	Fair	20+	B1	5.8	104.0	-
T304	Ash (Common)	On	13	1		700	5.0-3.0-5.0-7.0	2.0	2	S	M	None	Growing on site side of boundary ditch. Basal growth becoming secondary stem	Good	Good	20+	B1	8.4	222.0	-
T305	Ash (Common)	On	13	2	Yes	550	5.0-4.0-4.0-7.0	3.0	4	N	M	None	Twin stem at base. Growing on site side of boundary ditch	Fair	Fair	20+	B1	6.6	137.0	-
T306	Hawthorn	On	3	6	Yes	180	2.0-2.0-2.0-2.0	0.0	0	N	M	None	Multi stemmed at base	Good	Fair	10+	C1	2.2	15.0	-
T307	Ash (Common)	On	6	2	Yes	360	4.0-3.0-2.0-4.0	0.5	0.5	W	SM	None	Growing within field boundary ditch on south side	Good	Fair	20+	C1	4.3	59.0	-
T308	Elder	On	3	6	Yes	180	1.0-1.0-1.0-1.0	0.0	0	SW	M	None	Growing in boundary ditch with dense bramble at base	Good	Good	10+	C1	2.2	15.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T309	Ash (Common)	On	6	4	Yes	340	3.0-3.0-3.0-3.0	2.0	2	N	SM	None	Growing in boundary ditch with dense sub 75mm blackthorn at base	Fair	Fair	10+	C1	4.1	52.0	-
T310	Ash (Common)	On	6	6	Yes	370	3.0-3.0-2.0-3.0	2.0	1.5	E	SM	None	Multi stemmed at base. Boundary ditch to north. Dense climbing plants inc. dog rose at base	Good	Fair	20+	C1	4.4	62.0	-
T311	Ash (Common)	On	7	2	Yes	190	3.0-2.5-1.5-2.5	1.5	1	W	SM	None	Dog rose and ivy on stem. Growing in boundary ditch. Signs of ash dieback in crown	Fair	Fair	10+	C1	2.3	16.0	-
T312	Willow (Crack)	On	4	6		180	2.0-2.0-2.0-2.0	0.0	0	S	SM	None	Regrowth from felled tree. Growing in field boundary ditch	Good	Fair	10+	C1	2.2	15.0	-
T313	Willow (Crack)	On	4	6		180	2.0-2.0-2.0-2.0	0.0	0	S	SM	None	Regrowth from felled tree. Growing in field boundary ditch	Good	Fair	10+	C1	2.2	15.0	-
T314	Willow (Crack)	On	4	6		180	2.0-2.0-2.0-2.0	0.0	0	S	SM	None	Regrowth from felled tree. Growing in field boundary ditch	Good	Fair	10+	C1	2.2	15.0	-
T315	Willow (Crack)	On	4	6		180	2.0-2.0-2.0-2.0	0.0	0	S	SM	None	Regrowth from felled tree. Growing in field boundary ditch	Good	Fair	10+	C1	2.2	15.0	-
T316	Willow (Crack)	On	4	6		180	2.0-2.0-2.0-2.0	0.0	0	S	SM	None	Regrowth from felled tree. Growing in field boundary ditch	Good	Fair	10+	C1	2.2	15.0	-
T317	Willow (Crack)	On	6	6		180	3.0-2.0-2.0-2.0	0.0	0	S	SM	None	Regrowth from topped tree. Growing in field boundary ditch	Good	Fair	10+	C1	2.2	15.0	-
T318	Apple (Crab)	On	8	1	Yes	480	4.5-4.5-4.0-4.0	0.0	0.5	W	LM	None	Some deadwood in crown	Fair	Good	10+	C1	5.8	104.0	-
T319	Maple (Field)	On	6	2	Yes	350	3.0-1.0-3.0-3.0	2.0	1.5	N	EM	None	Growing in hedgerow. Twin stem at 1m	Good	Good	20+	B1	4.2	55.0	-
T320	Ash (Common)	On	13	3	Yes	210	3.0-3.0-3.0-3.0	4.0	4	S	EM	None	Field boundary ditch to north. Multi stemmed at base	Fair	Fair	10+	C1	2.5	20.0	-
T321	Ash (Common)	On	15	1	Yes	300	5.0-4.0-5.0-3.0	3.0	0.5	NE	EM	None	Field boundary ditch to north. Ivy clad stem	Fair	Fair	10+	C1	3.6	41.0	-
T322	Ash (Common)	On	15	1	Yes	300	6.0-2.0-5.0-4.0	3.0	0.5	N	EM	None	Field boundary ditch to north. Ivy clad stem	Fair	Fair	10+	C1	3.6	41.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T323	Ash (Common)	On	9	1	Yes	300	5.0-5.0-5.0-5.0	2.0	2.5	E	SM	None	Hedge row tree	Good	Good	20+	B1	3.6	41.0	-
T324	Ash (Common)	On	7	1	Yes	250	3.0-2.0-3.0-3.0	2.0	2.5	S	SM	None	Hedge row tree. Some large pruning wounds and deadwood	Fair	Fair	10+	C1	3.0	28.0	-
T325	Ash (Common)	On	8	1	Yes	320	5.0-5.0-3.0-5.0	2.5	2	S	EM	None	Boundary ditch to southwest	Good	Good	20+	B1	3.8	46.0	-
T326	Ash (Common)	On	7	1		280	3.0-3.0-2.0-2.5	3.0	3	E	SM	None	Basal growth managed in line with hedge. Boundary ditch to south	Good	Good	20+	C1	3.3	35.0	-
T327	Ash (Common)	On	9	1		310	3.0-3.0-3.0-3.0	4.0	4	SE	SM	None	Poor pruning leaving stubs. Not on topo	Fair	Fair	10+	C1	3.7	43.0	-
T328	Ash (Common)	On	16	1	Yes	950	8.0-8.0-8.0-6.0	2.0	3.5	NW	M	None	Bifurcated at 2m. Ivy clad stem. Some cavities in crown. Habitat potential	Good	Good	20+	A3	11.4	408.0	-
T329	Lime (Common)	On	14	1	Yes	550	5.0-5.0-8.0-5.0	0.0	0.5	E	M	None	Dense epicormic basal growth	Good	Good	40+	A1	6.6	137.0	-
T330	Lime (Common)	On	12	1		480	4.0-4.0-1.0-4.0	2.0	2	N	M	None	Dead central leader and dense epicormic growth	Fair	Fair	20+	B1	5.8	104.0	-
T331	Ash (Common)	On	6	2	Yes	300	4.0-3.0-5.0-3.0	2.0	1.5	S	SM	None	Twin stem at base with included union. Ditch to east	Good	Fair	10+	C1	3.6	41.0	-
T332	Ash (Common)	On	6	3	Yes	270	4.0-3.0-4.0-2.0	2.0	1.5	S	SM	None	Signs of ash dieback in crown. Ditch to east	Fair	Fair	10+	C1	3.2	33.0	-
T333	Ash (Common)	On	12	2	Yes	320	4.5-4.0-4.5-4.5	4.0	3	S	EM	None	Hedgerow ash	Good	Fair	40+	B1	3.8	46.0	-
T334	Ash (Common)	On	7.5	1	Yes	300	3.5-3.0-3.0-3.5	3.5	2.5	W	SM	None	Ivy throughout lower crown	Good	Fair	20+	C1	3.6	41.0	-
T335	Ash (Common)	On	7	1	Yes	250	3.5-3.5-3.5-3.5	3.5	2.5	None	SM	None	Establishing hedgerow tree	Good	Fair	20+	C1	3.0	28.0	-
T336	Damson	On	4	1	Yes	170	3.0-3.0-2.0-2.0	2.0	2	N	EM	None	Open grown tree	Good	Fair	40+	B1	2.0	13.0	-
T337	Hawthorn	On	4	1	Yes	220	3.0-3.0-1.5-3.0	0.5	0.5	None	M	None	Open grown hawthorn	Good	Fair	40+	B1	2.6	22.0	-
T338	Hawthorn	On	4	6	Yes	220	3.0-3.0-3.0-3.0	0.5	0.5	None	M	None	Open grown hawthorn	Good	Fair	40+	B1	2.6	22.0	-
T339	Hawthorn	On	4	1	Yes	220	3.0-3.0-3.0-3.0	0.5	0.5	None	M	None	Open grown hawthorn	Good	Fair	40+	B1	2.6	22.0	-
T340	Hawthorn	On	3.5	2	Yes	140	3.0-2.0-2.0-2.0	1.3	0.5	None	M	None	Open grown hawthorn	Good	Fair	40+	B1	1.7	9.0	-
T341	Ash (Common)	On	8	1	Yes	220	3.5-3.5-3.5-3.5	3.5	2	S	EM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.6	22.0	-
T342	Ash (Common)	On	13	1	Yes	880	5.0-6.5-6.5-6.0	4.5	5	S	M	None	Hedgerow ash; hollows in stems and hollow main stem	Good	Fair	40+	B3	10.6	350.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T343	Ash (Common)	On	12	1	Yes	620	6.5-6.5-6.5-4.5	4.5	4.5	N	M	None	Hedgerow ash; hollows in stems	Good	Fair	40+	B3	7.4	174.0	-
T344	Ash (Common)	On	7.5	1	Yes	300	3.5-3.0-3.0-3.5	3.5	2.5	W	SM	None	Ivy throughout; reduced crown vitality	Fair	Fair	10+	C1	3.6	41.0	-
T345	Ash (Common)	On	15	1	Yes	520	6.0-0.5-3.0-6.5	4.0	4	W	M	None	Hedgerow ash; asymmetric crown	Good	Fair	20+	C1	6.2	122.0	-
T346	Ash (Common)	On	15	1	Yes	380	6.0-6.0-5.0-6.0	4.0	4	None	EM	None	Hedgerow ash	Good	Good	40+	B1	4.5	65.0	-
T347	Ash (Common)	On	15	2	Yes	340	6.0-5.0-5.0-5.5	5.0	2	None	EM	None	Hedgerow ash. Ditch to E	Good	Fair	40+	B1	4.1	52.0	-
T348	Ash (Common)	On	17	4	Yes	450	6.5-6.0-6.0-6.5	5.0	5	None	EM	None	Hedgerow ash. Ditch to E	Good	Fair	40+	B1	5.4	92.0	-
T349	Hawthorn	On	6	1	Yes	220	3.0-3.0-3.0-3.0	0.5	0.5	S	EM	None	Hedgerow hawthorn	Good	Good	40+	B1	2.6	22.0	-
T350	Willow (Crack)	On	14	2	Yes	830	6.5-8.5-8.5-8.0	3.0	3	S	M	None	Hedgerow willow	Good	Good	40+	B1	10.0	312.0	-
T351	Ash (Common)	On	18	1	Yes	680	8.5-8.5-8.0-8.0	4.5	3.5	N	M	None	Hedgerow ash	Good	Good	40+	B1	8.2	209.0	-
T352	Ash (Common)	On	18	1	Yes	750	8.0-7.5-8.0-8.0	4.5	4	None	M	None	Hedgerow ash; hollows in stems. Owl box on main stem	Good	Fair	40+	B3	9.0	254.0	-
T353	Ash (Common)	On	7	1	Yes	500	3.0-3.0-3.0-3.0	3.0	3	None	M	None	Hedgerow ash; storm damaged and now hollow main stem	Good	Fair	40+	B3	6.0	113.0	-
T354	Oak (English)	On	16	1	Yes	620	8.0-7.5-7.5-8.5	4.5	4	S	M	None	Hedgerow oak	Good	Good	40+	B1	7.4	174.0	-
T355	Ash (Common)	On	7	1	Yes	650	4.5-2.0-2.0-2.0	4.0	2.5	None	M	None	Hedgerow tree. Storm damaged; innonotus hispidus; hollowing main stem. Good habitat tree	Fair	Fair	10+	C3	7.8	191.0	-
T356	Oak (English)	On	10	1	Yes	600	5.0-5.5-5.5-5.0	4.5	4	NE	M	None	Hedgerow tree	Good	Good	40+	B1	7.2	163.0	-
T357	Oak (English)	On	10	1	Yes	380	6.0-5.5-4.5-4.5	3.5	2	N	EM	None	Establishing hedgerow tree	Good	Good	40+	B1	4.5	65.0	-
T358	Ash (Common)	On	15	1	Yes	450	5.0-6.0-6.5-6.0	3.0	2	E	M	None	Hedgerow tree. Storm damaged; innonotus hispidus; hollowing stems	Good	Fair	20+	B3	5.4	92.0	-
T359	Oak (English)	On	15	1	Yes	450	6.5-6.5-6.5-6.5	3.0	2	NE	EM	None	Establishing hedgerow tree. Ditch to E	Good	Good	40+	B1	5.4	92.0	-
T360	Oak (English)	On	10	1	Yes	420	5.5-5.0-5.0-5.5	3.0	2	None	EM	None	Establishing hedgerow tree. Ditch to E	Good	Good	40+	B1	5.0	80.0	-
T361	Elm (English)	On	5	1	Yes	180	3.0-3.0-3.0-3.0	2.0	2	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.2	15.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

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T362	Chestnut (Horse)	On	5	1	Yes	200	3.0-3.0-3.0-3.0	3.0	2	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.4	18.0	-
T363	Ash (Common)	On	6.5	1	Yes	220	3.5-3.5-3.5-3.5	2.0	2	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.6	22.0	-
T364	Oak (English)	On	8	1	Yes	280	4.5-4.5-4.5-4.5	3.5	2	S	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	3.3	35.0	-
T365	Willow (Crack)	On	3	1	Yes	850	3.0-0.5-3.0-0.5	2.0	2	None	M	None	Hollow and recently pollarded willow stem. Ditch to the W	Fair	Fair	40	B3	10.2	327.0	-
T366	Elm (English)	On	7	1	Yes	220	4.0-4.0-4.0-3.5	3.5	2	E	SM	None	Establishing hedgerow tree; reduced vitality DED	Poor	Fair	<10	C1	2.6	22.0	-
T367	Chestnut (Horse)	On	5	1	Yes	200	3.0-3.0-3.0-3.0	3.0	2	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.4	18.0	-
T368	Ash (Common)	On	15	1	Yes	680	6.75-5.0-4.5-5.0	4.0	1.5	W	M	None	Hedgerow tree. Storm damaged crown. Hollowed main stem	Good	Fair	40+	B3	8.2	209.0	-
T369	Oak (English)	On	11	2	Yes	440	5.5-5.0-2.0-5.5	3.0	3	None	EM	None	Establishing hedgerow tree	Good	Good	40+	B1	5.3	88.0	-
T370	Ash (Common)	On	9	1	Yes	600	5.0-2.0-3.5-5.5	4.0	2	W	M	None	Hedgerow tree; storm damaged; hollowing stems/ deadwood habitat	Good	Fair	40+	B3	7.2	163.0	-
T371	Ash (Common)	On	17	1	Yes	600	6.0-5.5-6.0-7.0	4.0	3	NE	M	None	Hedgerow tree. Ditch to S	Good	Fair	40+	B1	7.2	163.0	-
T372	Oak (English)	On	16	1	Yes	780	4.5-6.0-8.5-7.5	5.0	4	N	M	None	Hedgerow tree; storm damaged crown; large diameter tear out	Good	Fair	40+	B3	9.4	275.0	-
T373	Oak (English)	On	19	1	Yes	1000	9.0-9.0-8.0-9.0	6.0	5	None	M	None	Mature and prominent tree; excellent form and condition. Pronounced basal flair; hollows in stems; deadwood habitat	Good	Good	40+	A3	12.0	452.0	-
T374	Ash (Common)	On	15	1	Yes	700	6.0-5.5-4.5-5.0	4.0	1.5	S	M	None	Hedgerow tree. Storm damaged crown. Hollowed main stem. Ditch to the S	Good	Fair	40+	B3	8.4	222.0	-
T375	Chestnut (Horse)	On	3.5	1	Yes	180	2.0-1.5-2.0-2.0	2.0	2	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.2	15.0	-
T376	Chestnut (Horse)	On	4	1	Yes	180	2.0-2.0-2.5-2.0	2.0	2	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.2	15.0	-
T377	Oak (English)	On	21	1	Yes	920	9.0-10.0-9.5-9.5	5.5	3	N	M	None	Mature hedgerow tree; excellent form and condition	Good	Good	40+	A1	11.0	383.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T378	Oak (English)	On	20	1	Yes	880	9.0-10.0-9.5-9.5	5.0	3	N	M	None	Mature hedgerow tree; excellent form and condition	Good	Good	40+	A1	10.6	350.0	-
T379	Oak (English)	On	18	1	Yes	860	8.5-10.0-9.5-8.0	5.0	3	S	M	None	Mature hedgerow tree; excellent form and condition	Good	Good	40+	A1	10.3	335.0	-
T380	Oak (English)	On	14	1	Yes	600	7.0-7.0-7.0-7.0	2.0	2	None	M	None	Oak of good form and condition. Deadwood central crown	Good	Good	40+	B1	7.2	163.0	-
T381	Ash (Common)	On	12	1	Yes	280	4.5-4.5-4.5-4.5	3.0	2.5	N	EM	None	Establishing hedgerow tree	Good	Good	40+	B1	3.3	35.0	-
T382	Ash (Common)	On	5	1	Yes	180	3.0-3.0-3.0-3.0	2.5	2.5	None	SM	None	Establishing hedgerow tree; ivy in lower crown; some stubs from side pruning; slightly reduced vitality	Fair	Fair	20+	C1	2.2	15.0	-
T383	Chestnut (Horse)	On	5	1	Yes	180	3.0-3.0-3.0-3.0	2.5	2.5	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.2	15.0	-
T384	Ash (Common)	On	5	1	Yes	180	3.0-3.0-3.0-3.0	2.5	2.5	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.2	15.0	-
T385	Chestnut (Horse)	On	5	1	Yes	180	3.0-3.0-3.0-3.0	2.5	2.5	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	2.2	15.0	-
T386	Oak (English)	On	19	1	Yes	800	7.5-9.0-8.75-8.0	4.0	3.5	W	M	None	Mature oak; excellent form and condition	Good	Good	40+	A1	9.6	290.0	-
T387	Oak (English)	On	19	1	Yes	720	8.0-8.5-8.5-8.5	4.0	3.5	W	M	None	Mature oak; excellent form and condition	Good	Good	40+	A1	8.6	235.0	-
T388	Ash (Common)	On	17	2	Yes	410	6.5-7.0-6.0-7.0	4.0	3.5	W	EM	None	Hedgerow ash	Good	Good	40+	B1	4.9	76.0	-
T389	Ash (Common)	Off	15	1	Yes	350	4.0-4.5-3.0-3.0	4.0	3.5	W	EM	None	Hedgerow ash	Good	Good	40+	B1	4.2	55.0	-
T390	Ash (Common)	Off	15	4	Yes	580	6.5-5.5-5.0-6.5	4.0	2	N	EM	None	Hedgerow ash	Good	Good	40+	B1	7.0	152.0	-
T391	Ash (Common)	Off	16	1	Yes	420	6.0-6.0-5.5-6.0	4.0	4	N	M	None	Hedgerow ash	Good	Good	40+	B1	5.0	80.0	-
T392	Ash (Common)	On	12	2	Yes	280	4.5-4.5-4.5-4.5	3.0	2.5	None	EM	None	Establishing hedgerow tree	Good	Good	40+	B1	3.3	35.0	-
T393	Ash (Common)	On	12	1	Yes	300	4.5-4.5-4.5-4.5	3.0	2.5	N	EM	None	Establishing hedgerow tree. Horse chestnut tree sharing same location	Good	Good	40+	B1	3.6	41.0	-
T394	Ash (Common)	On	17	3	Yes	670	6.0-6.0-7.0-5.0	3.0	1	None	M	None	Lapsed low pollard; hedgerow tree	Good	Fair	40+	B1	8.0	203.0	-
T395	Oak (English)	On	19	1	Yes	850	7.5-9.0-9.5-9.5	4.0	3	None	M	None	Mature hedgerow tree; excellent form and condition	Good	Good	40+	A1	10.2	327.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T396	Oak (English)	On	21	1	Yes	850	8.5-10.0-10.0-10.0	6.0	6	None	M	None	Mature and prominent tree; excellent form and condition. Ditch to the W	Good	Good	40+	A1	10.2	327.0	-
T397	Oak (English)	On	10	1	Yes	380	6.0-6.0-6.0-6.0	3.0	3	None	EM	None	Good form and condition. Ditch to the W	Good	Good	40+	B1	4.5	65.0	-
T398	Willow (Crack)	On	3	1	Yes	850	3.0-0.5-3.0-0.5	2.0	2	None	M	None	Hollow and recently pollarded willow stem. Ditch to the W	Good	Fair	40+	B3	10.2	327.0	-
T399	Ash (Common)	On	10	10	Yes	270	4.0-3.0-3.5-2.5	1.5	0.5	None	M	None	Ash coppice with re growth Ditch to the W	Good	Fair	40+	B1	3.2	33.0	-
T400	Ash (Common)	On	14	1	Yes	520	4.5-4.0-6.0-5.5	3.0	2	W	M	None	Hedgerow tree; storm damaged; hollowing stems/ deadwood habitat	Good	Fair	40+	B3	6.2	122.0	-
T401	Ash (Common)	On	8.5	2	Yes	340	5.0-5.0-5.0-5.0	3.0	2	None	SM	None	Establishing hedgerow tree	Good	Good	40+	B1	4.1	52.0	-
T402	Oak (English)	On	19	1	Yes	880	8.5-9.0-9.0-9.0	6.0	5	W	M	None	Mature and prominent tree; holler main stem; deadwood in upper crown	Good	Good	40+	A3	10.6	350.0	-
T403	Oak (English)	On	19	1	Yes	880	8.5-10.0-9.0-8.5	6.0	5	W	M	None	Mature and prominent tree; excellent form and condition	Good	Good	40+	A1	10.6	350.0	-
T404	Oak (English)	On	12	1	Yes	420	4.5-4.5-5.0-4.0	2.0	2.5	N	M	None	Stunted form. Ditch to S	Good	Good	40+	B1	5.0	80.0	-
T405	Oak (English)	On	9	2	Yes	320	5.0-5.0-5.0-5.0	3.5	2	SW	EM	None	Establishing hedgerow tree	Good	Good	40+	B1	3.8	46.0	-
T406	Oak (English)	On	8	1	Yes	600	5.0-5.0-5.0-5.0	3.5	2	N	M	None	Stunted form; deadwood and hollows in stems	Good	Good	40+	B3	7.2	163.0	-
T407	Ash (Common)	On	7	4	Yes	280	3.0-3.0-3.0-3.0	3.0	0.5	None	EM	None	Hedgerow coppice	Good	Fair	40+	C1	3.3	35.0	-
T408	Willow (Grey)	On	4.5	1	Yes	200	3.0-3.0-3.0-3.0	3.0	0.5	None	SM	None	Hedgerow pollard	Good	Fair	40+	C1	2.4	18.0	-
T409	Ash (Common)	On	20	1	Yes	880	8.5-8.5-9.5-10.0	6.0	6	NE	M	None	Prominent tree. Some historical branch tear outs and hollows in stems	Good	Fair	40+	A3	10.6	350.0	-
T410	Oak (English)	On	18	1	Yes	750	8.5-8.5-8.5-8.0	4.0	4	N	M	None	Prominent woodland edge tree	Good	Good	40+	A2	9.0	254.0	-
T411	Oak (English)	On	9	1	Yes	550	6.5-6.5-6.5-6.5	3.5	2	N	EM	None	Establishing hedgerow tree	Good	Good	40+	B1	6.6	137.0	-
T412	Ash (Common)	On	5	4	Yes	130	2.0-2.0-2.0-2.0	3.0	0.5	None	SM	None	Hedgerow coppice	Good	Fair	40+	C1	1.6	8.0	-
T413	Oak (English)	On	7	4	Yes	420	5.0-6.0-6.0-6.0	0.5	0.5	None	EM	None	Hedgerow coppice	Good	Good	40+	B1	5.0	80.0	-
T414	Ash (Common)	On	7	3	Yes	210	2.5-2.5-2.5-2.5	1.0	0.5	None	SM	None	Hedgerow coppice	Good	Fair	40+	C1	2.5	20.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T415	Oak (English)	On	14	1	Yes	750	7.0-7.0-8.5-8.0	4.0	4	S	M	None	Hedgerow oak; excellent form and condition	Good	Good	40+	A1	9.0	254.0	-
T416	Ash (Common)	On	16	1	Yes	850	7.0-8.0-7.5-6.0	4.0	3	NE	M	None	Mature hedgerow ash. Decay at historical limb tear out (3m); hollow in main stem (3m)	Good	Fair	40+	B3	10.2	327.0	-
T417	Ash (Common)	On	20	2	Yes	1020	9.0-9.0-9.0-7.5	5.0	5	NE	M	None	Mature ash. Large diameter branch stubs and hollows in stems	Good	Fair	40+	B3	12.2	471.0	-
T418	Ash (Common)	On	8	1	Yes	250	5.0-3.5-3.5-3.5	3.0	2.5	N	SM	None	Hedgerow ash	Good	Good	40+	B1	3.0	28.0	-
T419	Ash (Common)	On	8	1	Yes	250	5.0-3.5-3.5-3.5	3.0	2.5	N	SM	None	Hedgerow ash; slightly reduced crown vitality	Good	Good	20+	C1	3.0	28.0	-
T420	Oak (English)	On	9	1	Yes	480	5.5-5.5-4.0-4.5	4.0	2	SW	EM	None	Hedgerow oak	Good	Good	40+	B1	5.8	104.0	-
T421	Oak (English)	On	7	1	Yes	280	4.0-4.0-4.0-4.0	3.0	2	None	SM	None	Hedgerow oak	Good	Good	40+	B1	3.3	35.0	-
T422	Chestnut (Horse)	On	3	1	Yes	150	1.5-1.5-1.5-1.5	1.0	1	None	Y	None	Establishing hedgerow tree	Good	Good	40+	C1	1.8	10.0	-
T423	Ash (Common)	On	13	1	Yes	450	6.5-6.5-5.0-4.5	4.0	2	NE	EM	None	Hedgerow ash	Good	Fair	40+	B1	5.4	92.0	-
T424	Ash (Common)	On	15	1	Yes	680	7.0-6.5-6.0-6.5	5.0	2	None	M	None	Hedgerow ash. Storm damaged. Apically dominant stem lost and now decayed/ hollowing	Good	Fair	40+	B3	8.2	209.0	-
T425	Ash (Common)	On	11	2	Yes	360	5.0-3.0-3.0-4.0	4.0	2	None	EM	None	Hedgerow ash; asymmetric crown where a stem has failed or been cut at hedge height	Good	Fair	20+	C1	4.3	59.0	-
T426	Ash (Common)	On	17	2	Yes	450	6.5-6.5-6.5-6.5	4.0	3	S	EM	None	Ditch to N	Good	Good	40+	B1	5.4	92.0	-
T427	Ash (Common)	On	16	2	Yes	350	6.5-6.5-6.5-6.5	4.0	3	None	EM	None	Hedgerow ash	Good	Good	40+	B1	4.2	55.0	-
T428	Willow (Crack)	On	9	1	Yes	800	5.5-5.5-5.0-6.0	3.0	1	None	M	None	Mature lapsed pollard. Ditch to the N	Good	Good	40+	B3	9.6	290.0	-
T429	Willow (Crack)	Off	11	1	Yes	900	5.5-6.0-7.0-5.0	3.0	1	None	M	None	Mature lapsed pollard. Ditch to the W	Good	Good	40+	B3	10.8	366.0	-
T430	Willow (Crack)	On	9	1	Yes	800	7.0-7.0-6.5-6.5	3.0	3	None	M	None	Mature lapsed pollard	Good	Good	40+	B3	9.6	290.0	-
T431	Willow (Crack)	On	9	1	Yes	800	7.0-7.0-6.5-6.5	3.0	3	None	M	None	Mature lapsed pollard	Good	Good	40+	B3	9.6	290.0	-
T432	Willow (Crack)	On	9	1	Yes	900	6.5-7.0-7.0-7.0	3.0	3	None	M	None	Mature lapsed pollard	Good	Good	40+	B3	10.8	366.0	-
T433	Willow (Crack)	On	12	1	Yes	950	7.0-10.0-7.0-7.5	3.0	3	None	M	None	Mature lapsed pollard	Good	Good	40+	A3	11.4	408.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T434	Willow (Crack)	On	13	1	Yes	1000	8.0-10.0-7.0-8.0	3.0	3	None	M	None	Mature lapsed pollard	Good	Good	40+	A3	12.0	452.0	-
T435	Ash (Common)	On	18	1	Yes	900	8.5-9.0-8.0-8.5	5.0	5.5	None	M	None	Mature hedgerow ash. Reduced vitality in central upper crown	Fair	Fair	40+	B1	10.8	366.0	-
T436	Ash (Common)	On	16	1	Yes	350	5.5-5.5-5.5-5.5	4.0	3.5	S	EM	None	Hedgerow ash	Good	Fair	40+	B1	4.2	55.0	-
T437	Ash (Common)	On	17	1	Yes	700	4.5-7.0-6.5-5.0	4.0	3	S	M	None	Mature hedgerow ash. Storm damaged; reduced vitality. Good habitat tree	Fair	Fair	40+	C3	8.4	222.0	-
T438	Ash (Common)	On	11	1	Yes	300	5.0-4.0-3.5-3.5	4.0	3.5	S	SM	None	Hedgerow ash	Good	Good	40+	B1	3.6	41.0	-
T439	Ash (Common)	On	18	1	Yes	980	7.5-9.0-9.0-8.0	4.0	5.5	W	M	None	Mature hedgerow ash. Decay at historical limb tear out (3.5m); ditch to east	Good	Fair	40+	B3	11.8	434.0	-
T440	Ash (Common)	On	12	1	Yes	580	6.0-6.0-6.0-4.0	4.0	5	None	M	None	Mature hedgerow ash. Reduced vitality; deadwood in central crown. Owl box on stem W	Fair	Fair	40+	C3	7.0	152.0	-
T441	Willow (Crack)	On	9	3	Yes	430	7.0-4.0-4.0-2.0	0.5	0.5	None	EM	None	Hedgerow tree; singed by adjacent fire site	Fair	Fair	10+	C1	5.2	84.0	-
T442	Ash (Common)	On	17	1	Yes	800	7.5-8.0-8.5-7.0	4.0	5.5	E	M	None	Mature hedgerow ash; lesser stem adjacent. Low limbs removed. Large cavity in main stem (6m)	Good	Fair	40+	B3	9.6	290.0	-
T443	Hawthorn	On	4	1	Yes	350	3.0-3.0-3.0-3.0	0.3	0	None	M	None	Mature hedgerow tree. Particularly large stem for species; excellent form and condition	Good	Good	40+	A1	4.2	55.0	-
T444	Ash (Common)	On	11	1	Yes	350	5.0-5.0-5.0-5.0	3.0	1.5	E	EM	None	Hedgerow ash	Good	Good	40+	B1	4.2	55.0	-
T445	Oak (English)	On	13	1	Yes	300	6.0-5.0-5.0-5.0	3.0	1.5	S	EM	None	Hedgerow oak	Good	Good	40+	B1	3.6	41.0	-
T446	Ash (Common)	On	8	1	Yes	330	5.0-5.0-5.0-5.0	3.0	1.5	SW	EM	None	Hedgerow ash	Good	Good	40+	B1	3.9	49.0	-
T447	Ash (Common)	On	9	3	Yes	350	4.0-4.0-4.0-4.0	4.0	1.5	None	EM	None	Hedgerow ash	Good	Fair	40+	B1	4.2	55.0	-
T448	Oak (English)	On	15	1	Yes	680	6.5-6.5-6.5-6.5	4.0	4	None	M	None	Hedgerow oak; ditch to south	Good	Good	40+	A1	8.2	209.0	-
T449	Ash (Common)	On	5	1	Yes	200	3.0-3.0-3.0-3.0	3.0	2	NE	EM	None	Hedgerow ash	Good	Good	40+	B1	2.4	18.0	-
T450	Ash (Common)	On	8	2	Yes	360	5.0-4.0-5.0-4.0	4.0	1.5	W	EM	None	Hedgerow ash	Good	Fair	40+	B1	4.3	59.0	-
T451	Hawthorn	On	2.5	7	Yes	210	2.0-2.0-2.0-2.0	0.3	0	None	EM	None	Ditch to NE	Good	Fair	40+	C1	2.5	20.0	-

TREE SURVEY SCHEDULE

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SURVEY DATE: 22ND TO 30TH APRIL 2024

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T452	Oak (English)	On	14	1	Yes	750	7.5-7.0-7.5-7.0	4.0	3	S	M	None	Hedgerow oak; excellent form and condition. Historical storm damage; some deadwood habitat	Good	Good	40+	A3	9.0	254.0	-
T453	Maple (Field)	On	6.5	10	Yes	160	3.5-1.5-3.5-1.5	0.3	0.25	None	EM	None	Hedgerow coppice	Good	Good	40+	B1	2.0	12.0	-
T454	Ash (Common)	On	10	1	Yes	300	5.0-5.0-5.0-5.0	4.5	3.5	E	EM	None	Hedgerow ash	Good	Good	40+	B1	3.6	41.0	-
T455	Oak (English)	On	17	1	Yes	900	10.0-8.5-8.0-9.0	5.0	3	None	M	None	Hedgerow oak; excellent form and condition. Hollowing at stem base	Good	Good	40+	A3	10.8	366.0	-
T456	Oak (English)	On	7	1	Yes	330	5.0-5.0-5.0-5.0	3.0	1.5	E	SM	None	Hedgerow oak	Good	Good	40+	B1	3.9	49.0	-
T457	Willow (Grey)	On	3	1	Yes	200	3.0-3.0-3.0-3.0	0.5	0.25	None	EM	None	Small willow on the banks of the lake	Good	Fair	40+	B2	2.4	18.0	-
T458	Willow (Grey)	On	3	1	Yes	200	3.0-3.0-3.0-3.0	0.5	0.25	None	EM	None	Small willow on the banks of the lake	Good	Fair	40+	B2	2.4	18.0	-
T459	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	B2	1.8	10.0	-
T460	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	B2	1.8	10.0	-
T461	Willow (Grey)	On	3	1	Yes	200	3.0-3.0-3.0-3.0	0.5	0.25	None	EM	None	Small willow on the banks of the lake	Good	Fair	40+	B2	2.4	18.0	-
T462	Willow (Grey)	On	3	1	Yes	200	3.0-3.0-3.0-3.0	0.5	0.25	None	EM	None	Small willow on the banks of the lake	Good	Fair	40+	B2	2.4	18.0	-
T463	Willow (Grey)	On	3	1	Yes	200	3.0-3.0-3.0-3.0	0.5	0.25	None	EM	None	Small willow on the banks of the lake	Good	Fair	40+	B2	2.4	18.0	-
T464	Willow (Grey)	On	3	1	Yes	200	3.0-3.0-3.0-3.0	0.5	0.25	None	EM	None	Small willow on the banks of the lake	Good	Fair	40+	B2	2.4	18.0	-
T465	Willow (Grey)	On	3	1	Yes	200	3.0-3.0-3.0-3.0	0.5	0.25	None	EM	None	Small willow on the banks of the lake	Good	Fair	40+	B2	2.4	18.0	-
T466	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T467	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T468	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T469	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T470	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T471	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T472	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T473	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T474	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T475	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T476	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T477	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn	Good	Good	40+	C2	1.8	10.0	-
T478	Maple (Field)	On	5	1	Yes	450	4.5-4.0-1.0-4.5	2.0	2	W	M	None	Mature hedgerow tree. Particularly large stem for species; deadwood habitat central upper crown	Good	Good	40+	A3	5.4	92.0	-
T479	Oak (English)	On	8.5	1	Yes	600	6.0-6.0-6.0-6.0	4.0	2	S	EM	None	Hedgerow oak; ditch to west	Good	Good	40+	B1	7.2	163.0	-
T480	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn; remnant hedgerow tree	Good	Good	40+	C2	1.8	10.0	-
T481	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn; remnant hedgerow tree	Good	Good	40+	C2	1.8	10.0	-
T482	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	EM	None	Each mature hawthorn; remnant hedgerow tree	Good	Good	40+	B2	1.8	10.0	-
T483	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn; remnant hedgerow tree	Good	Good	40+	C2	1.8	10.0	-
T484	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn; remnant hedgerow tree	Good	Good	40+	C2	1.8	10.0	-
T485	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn; remnant hedgerow tree	Good	Good	40+	C2	1.8	10.0	-
T486	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn; remnant hedgerow tree	Good	Good	40+	C2	1.8	10.0	-
T487	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn; remnant hedgerow tree	Good	Good	40+	C2	1.8	10.0	-
T488	Hawthorn	On	3	1	Yes	150	1.5-1.5-1.5-1.5	0.5	0.25	None	SM	None	Establishing hawthorn; remnant hedgerow tree	Good	Good	40+	C2	1.8	10.0	-
T489	Oak (English)	On	9	1	Yes	480	6.5-6.0-6.0-6.0	4.0	4	N	EM	None	Hedgerow oak	Good	Good	40+	B1	5.8	104.0	-
T490	Ash (Common)	On	8	1	Yes	980	6.0-6.0-6.0-6.0	3.0	3	S	M	None	Mature hedgerow ash of lapsed pollard form. Hollowed main stem	Good	Fair	40+	A3	11.8	434.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T491	Oak (English)	On	13	1	Yes	480	6.5-6.0-7.0-7.0	4.0	4	S	EM	None	Hedgerow oak	Good	Good	40+	B1	5.8	104.0	-
T492	Ash (Common)	On	6.5	1	Yes	250	4.0-4.0-4.0-1.0	3.5	3	N	SM	None	Hedgerow ash; reduced vitality	Fair	Fair	10+	C1	3.0	28.0	30.0
T493	Oak (English)	Off	19	1	Yes	2000	8.0-8.0-10.0-11.0	4.0	2.5	None	M	Veteran	Large stem diameter (borderline Ancient tree). Large diameter tear out (3m). Extensive deadwood habitat. Existing track to the south	Good	Fair	40+	A3	15.0	707.0	-
T494	Ash (Common)	Off	17	1	Yes	850	7.0-8.5-7.0-7.0	4.0	2.5	E	M	None	Storm damaged main stem. Existing track to the south	Good	Fair	40+	B3	10.2	327.0	-
T495	Willow (Grey)	On	5	2	Yes	570	6.5-5.0-6.0-6.5	0.3	0.25	None	M	None	Layered willow tree at the banks of an area of wetland habitat	Good	Fair	40+	A3	6.8	147.0	-
T496	Willow (Grey)	On	4	2	Yes	570	4.0-3.0-4.0-3.0	0.3	0.25	None	M	None	Layered willow tree at the banks of an area of wetland habitat	Good	Fair	40+	A3	6.8	147.0	-
T497	Willow (Grey)	On	5	3	Yes	640	6.5-6.5-6.5-6.5	0.3	0.25	None	M	None	Layered willow tree at the banks of an area of wetland habitat	Good	Fair	40+	A3	7.7	185.0	-
T498	Oak (English)	On	7	1	Yes	400	5.0-6.0-5.0-6.0	3.0	1	None	EM	None	Establishing hedgerow oak	Good	Good	40+	B1	4.8	72.0	-
T499	Oak (English)	On	14	1	Yes	650	8.0-6.0-6.0-7.0	4.0	2	N	M	None	Mature oak; deadwood habitat in main stem	Good	Fair	40+	B3	7.8	191.0	-
T500	Birch (Silver)	On	15	1	Yes	400	6.0-6.0-6.0-6.0	3.0	3	None	M	None	3rd party garden tree	Good	Good	40+	B1	4.8	72.0	-
T501	Chestnut (Horse)	On	16	1	Yes	750	7.0-7.0-7.0-7.0	3.0	3	None	M	None	3rd party garden tree	Good	Good	40+	B1	9.0	254.0	-
T502	Chestnut (Horse)	On	16	1	Yes	650	7.0-7.0-6.5-6.5	3.0	3	None	M	None	3rd party garden tree	Good	Good	40+	B1	7.8	191.0	-
T503	Ash (Common)	On	12	2	Yes	300	4.0-4.0-4.0-4.5	4.0	2	None	EM	None	Hedgerow ash	Good	Good	40+	B1	3.6	41.0	-
T504	Ash (Common)	On	8	2	Yes	220	3.0-3.0-3.0-3.0	4.0	2	None	SM	None	Hedgerow ash	Good	Fair	20+	C1	2.6	22.0	-
T505	Ash (Common)	On	9	1	Yes	250	4.5-4.0-4.0-4.5	4.0	2	None	SM	None	Hedgerow ash	Good	Good	40	B1	3.0	28.0	-
T506	Ash (Common)	On	11	1	Yes	250	4.5-4.5-4.5-4.5	4.0	2	None	SM	None	Hedgerow ash; reduced vitality; possible stage 1 ash dieback	Fair	Fair	<10	C1	3.0	28.0	-
T507	Ash (Common)	On	7	1	Yes	120	4.0-4.0-4.0-4.0	4.0	2	None	SM	None	Hedgerow ash	Good	Good	20+	C1	1.5	7.0	-
T508	Ash (Common)	On	13	1	Yes	220	4.0-4.0-4.0-4.0	4.0	2	None	EM	None	Hedgerow ash; reduced vitality	Good	Good	20+	C1	2.6	22.0	-

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/ off site	Height (m)	No. of stems	Est diam?	Calc. / actual stem dia. (mm)	Crown radii (m) N-E-S-W	Av. low crown height (m)	1st branch ht (m)	1st branch dir.	Life stage	Special importance	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)	RPA m²	Veteran / ancient tree buffer(m)
T509	Ash (Common)	On	14	1	Yes	420	6.0-6.0-6.0-6.0	5.0	0	S	EM	None	Hedgerow ash	Good	Good	40+	B1	5.0	80.0	-
T510	Birch (Silver)	On	10	1	Yes	250	5.0-5.0-5.0-5.0	3.0	3	None	EM	None	3rd party garden tree	Good	Good	40+	B1	3.0	28.0	-
T511	Ash (Common)	On	13	1	Yes	350	5.0-5.0-5.0-5.0	5.0	0	S	EM	None	Hedgerow ash; slightly reduced vitality	Fair	Good	20+	C1	4.2	55.0	-
T512	Ash (Common)	On	13	1	Yes	350	5.0-5.0-5.0-5.0	5.0	3	S	EM	None	Hedgerow ash; slightly reduced vitality	Fair	Good	10+	C1	4.2	55.0	-
T513	Hawthorn	On	5	1	Yes	200	2.0-2.0-2.0-2.0	1.0	0.5	S	EM	None	Ivy throughout crown	Fair	Fair	10+	C1	2.4	18.0	-
T514	Oak (English)	On	9	1	Yes	400	6.0-6.0-4.0-6.0	5.0	2	N	EM	None	Hedgerow oak	Good	Good	40+	B1	4.8	72.0	-
T515	Ash (Common)	On	13	1	Yes	350	5.0-4.0-3.5-4.0	5.0	3	None	EM	None	Hedgerow ash; slightly reduced vitality	Fair	Good	20+	C1	4.2	55.0	

GROUPS OF TREES

Ref	Species	On/off site	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. crown radius (m)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
G1	Grey willow; crack willow	On	3-10	20	Yes	450.0	3.5	0.5	EM	Group of willow in what is assumed to be an area of important wetland habitat	Good	Fair	40+	A3	5.4
G2	Grey willow; crack willow	On	3-10	500	Yes	450.0	3.5	0.5	EM	Group of willow in what is assumed to be an area of important wetland habitat	Good	Fair	40+	A3	5.4
G3	Hawthorn	On	2-3	4	Yes	150.0	1.5	0.25	EM	Row of thorn trees along the top of a ditch	Good	Fair	40+	C2	1.8
G4	Grey willow	On	2-7	7	Yes	200.0	3	0.25	EM	Small willow trees located on the banks of the lake	Good	Fair	40+	B2	2.4
G5	Grey willow	On	2-8	5	Yes	200.0	3	0.25	EM	Small willow trees located on the banks of the lake	Good	Fair	40+	B2	2.4
G6	Crack willow; elder; hawthorn	On	4-18	6	Yes	900.0	9	1.5	M	Mature willow x2 adjacent to an agricultural pond	Good	Good	40+	B2	10.8
G7	Hawthorn; elder	On	2-4	12	Yes	150.0	2	0.25	EM	Scattered trees around an agricultural pond	Good	Fair	20+	C2	1.8
G8	Common ash	On	17-19	2	Yes	775.0	8	5	M	Mature hedgerow ash; some tear outs and branch stubs; ditch to east and south	Good	Fair	40+	B3	9.3
G9	Damson; blackthorn; elder	On	2-4.5	8	Yes	200.0	2.5	0.25	EM	Dense blackthorn and damson scrub	Good	Fair	40+	B2	2.4

TREE SURVEY SCHEDULE

PROJECT NO: 5343

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SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/off site	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. crown radius (m)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
G10	Common ash	On	12-15	5	Yes	400.0	6	4	EM	Hedgerow ash trees	Good	Good	40+	B2	4.8
G11	Common ash	On	12-15	4	Yes	400.0	6	4	EM	Hedgerow ash trees	Good	Good	40+	B2	4.8
G12	Hawthorn; crack willow; elder	Off	3-17	50	Yes	800.0	7	0.5	M	Northern section of the copse contains some mature willow. Located beyond the site boundary and separated from the site by a ditch	Good	Fair	40+	B3	9.6
G13	Common ash; English oak	On	8-15	7	Yes	400.0	6	4	EM	Linear tree feature. Ditch to N	Good	Fair	40+	B2	4.8
G14	Common ash; English oak	On	18-22	8	Yes	850.0	9	5	M	Mature oak and ash in a copse of lesser trees. Ditch to E & N	Good	Good	40+	A2	10.2
G15	Common ash	On	18-22	2	Yes	800.0	9	5	M	Mature ash in a copse of lesser trees. Storm damaged stems are now good habitat features	Good	Fair	40+	A3	9.6
G16	Common ash; field maple; hawthorn; English oak; willow; elm	On	5-18	125	Yes	500.0	6	1	EM	Linear tree feature at the site boundary and spanning the site redline	Good	Good	40+	B2	6.0
G17	Common ash	Off	13-15	2	Yes	350.0	6	4	EM	Located north of the site boundary	Good	Good	40+	B2	4.2
G18	Common ash	On	12-15	4	Yes	400.0	6	3	EM	Group of hedgerow ash forming a cohesive canopy	Good	Good	40+	B2	4.8
G19	Common ash	On	12-18	2	Yes	880.0	7	4	M	2 mature ash with storm damage; innonotus hispidus; hollows in stems and niche deadwood habitat	Good	Fair	40+	B3	10.6
G20	Field maple; hazel; common ash; English oak	On	5-12	20	Yes	350.0	4.5	0.5	EM	Establishing group of trees of uniform age and condition forming a cohesive canopy	Good	Good	40+	B2	4.2
G21	Grey willow	On	3-5	5	Yes	200.0	2	0.5	EM	Grey willow establishing around a small agricultural pond	Good	Good	40+	B2	2.4
G22	Common lime	Off	15-20	4	Yes	800.0	6	3	M	Off site group in domestic garden	Good	Good	40+	A2	9.6
G23	Sycamore	Off	17-20	2	Yes	1000.0	8	3	M	Cohesive crown in domestic garden. Minor cavities etc. associated with age	Good	Good	40+	A2	12.0
G24	Common ash	On	10-12	3	Yes	200.0	4	2	EM	Growing in field boundary ditch. Multi stemmed at bases	Fair	Fair	10+	C2	2.4
G25	Common ash	On	Jul-13	3	Yes	300.0	5	3	EM	Field boundary ditch to north	Fair	Fair	10+	C2	3.6
G26	Common ash	On	10-15	4	Yes	400.0	5	2	EM	Growing either side of boundary ditch. Multi stemmed at bases. Some decay in stems	Fair	Fair	10+	C2	4.8
G27	Common ash	On	14-16	2	Yes	400.0	5	2	EM	Boundary ditch to north. Ivy clad stems	Fair	Fair	10+	C2	4.8

TREE SURVEY SCHEDULE

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

Ref	Species	On/off site	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. crown radius (m)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
G28	Crack willow	On	15-18	3	Yes	850.0	7	3	LM	Field boundary ditch to north. Ivy clad stems. Some large cavities in stems due to tear outs - typical of species	Good	Fair	20+	B2	10.2
G29	Crack willow; hawthorn; common ash	On	6-13	5	Yes	400.0	3	3	M	Growing in field boundary ditch. Multi stemmed ivy clad stems. Declining vitality	Fair	Fair	10+	C2	4.8
G30	Common ash	On	8-10	3	Yes	250.0	4	2.5	EM	Multi stemmed at bases. Early signs of ash dieback. Ditch to east	Fair	Fair	10+	C2	3.0
G31	Elder; hawthorn	On	4-5	2	Yes	75.0	2	0	M	Growing either side of boundary ditch. Sub 75mm stems at base	Fair	Fair	10+	C2	1.0
G32	Crack willow	On	10-12	2	Yes	300.0	6	0	M	Boundary ditch to south. Old pollards multi stemmed at 0.5m. Reduced vitality in upper crowns. Sub 75mm stems at base	Fair	Fair	10+	C2	3.6
G33	Field maple; common ash	On	5-10	5	Yes	300.0	3	0	SM	Growing either side of field boundary ditch. Dead elm on west end of group	Good	Fair	20+	C2	3.6
G34	Common ash; field maple; blackthorn	On	5-7	6	Yes	220.0	3	2	SM	Growing in boundary ditch. Dense sub 75mm blackthorn at bases	Good	Fair	20+	C2	2.6
G35	Common ash; field maple	On	6-12	4	Yes	250.0	3	2	SM	Growing in boundary ditch. Sub 75mm blackthorn at base	Fair	Fair	10+	C2	3.0
G36	Common ash	On	6-8	2	Yes	250.0	3	0	SM	Multi stemmed at bases. Ivy clad stems. Reduced vitality. Ditch to south of stems	Fair	Fair	10+	C2	3.0
G37	Crack willow; common ash	On	6-8	2	Yes	300.0	3	0	EM	Growing in boundary ditch. Multi stemmed at bases. Ivy clad stems. Bramble and climbing plants at base. Deadwood and reduced vitality	Fair	Fair	10+	C2	3.6
G38	Crack willow	On	8-15	5	Yes	600.0	5	2	M	Group of multi stemmed willow with failed stems and branches and phoenix regeneration - typical of species. Growing in both sides of field boundary ditch	Good	Fair	20+	B2	7.2
G39	Crack willow	On	10-15	2	Yes	700.0	3	1.5	M	Growing on site side of boundary ditch. Cohesive canopy with some tear out wounds etc - typical of species	Good	Fair	20+	B2	8.4
G40	Common ash	On	4-6	4	Yes	200.0	3	1	SM	Dense scrub at bases. Not on topo	Good	Fair	20+	C2	2.4
G41	Common ash	On	10	2	Yes	300.0	4	2	EM	Growing on north side of boundary ditch. Not on topo	Good	Good	20+	B2	3.6
G42	Crack willow	On	10-14	4	Yes	500.0	6	1	M	Trees inaccessible due to dense vegetation and agricultural building. Measurements and tree count estimated. Not on topo	Good	Good	20+	B2	6.0

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/off site	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. crown radius (m)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
G43	Crack willow; common ash	On	7-9	2	Yes	150.0	3	2	SM	Growing in dense herbaceous vegetation. Not on topo	Good	Good	20+	C2	1.8
G44	Crack willow	On	10-12	8	Yes	250.0	5	2	EM	Close grown stems with herbaceous vegetation understorey. Not on topo	Good	Fair	20+	C2	3.0
G45	Common ash	On	9-13	2	Yes	500.0	4	2	EM	Dense vegetation around bases. Ivy clad stems. Elder and hawthorn understorey. Not on topo	Good	Good	20+	B2	6.0
G46	Silver birch	On	8-12	2	Yes	300.0	4	1	EM	Ivy clad stems and crowns. Not on topo	Good	Good	40+	B2	3.6
G47	Leyland cypress	On	10	2	Yes	250.0	3	0	SM	Sub 75mm field maple in group. Not on topo	Good	Good	20+	C2	3.0
G48	Cherry	Off	12	2	Yes	400.0	5	0	EM	Offsite trees within private garden; cursory inspection from boundary. Not on topo	Good	Fair	20+	B2	4.8
G49	Apple	Off	8	5	Yes	350.0	5	0	EM	Offsite trees; ditch to E; cursory inspection from boundary. Not on topo	Good	Fair	20+	B2	4.2
G50	Goat willow	On	6	3	Yes	120.0	3	0	SM	Established in field margin. Not on topo	Good	Fair	20+	C2	1.5
G51	Ash; sycamore	Off	Aug-15	5	Yes	500.0	5	2	EM	Offsite trees; cursory inspection from boundary. Not on topo	Good	Fair	20+	B2	6.0
G52	Birch; cypress; fir	Off	12	2	Yes	350.0	5	2	EM	Offsite boundary trees; cursory inspection from boundary. Not on topo	Good	Fair	20+	B2	4.2
G53	Ash	On	Dec-15	2	Yes	650.0	5	3	EM	Close grown boundary trees; both stems swathed in ivy; minor historical storm damage. Not on topo	Good	Fair	20+	B2	7.8
G54	Goat willow; birch; dogrose; elder	Off	1 - 10	80	Yes	150.0	3	0	SM	Offsite developing woodland block; predominantly willow; cursory inspection from boundary. Not on topo	Good	Fair	20+	C2	1.8
G55	Common ash	Off	6-8	30	Yes	90.0	2	1.5	Y	DH17/B Off site group growing on rail embankment. Not on topo	Fair	Fair	10+	C2	1.1
G56	Common ash	Off	07-Sep	30	Yes	90.0	2	1.5	Y	DH17/D Off site group growing on rail embankment. Not on topo	Fair	Fair	10+	C2	1.1
G57	Field maple	Off	6-8	3	Yes	100.0	3	0	SM	Multi stemmed at bases. Growing on rail land	Good	Fair	10+	C2	1.3
G58	Field maple; hawthorn	Off	4-10	5	Yes	230.0	2	0	EM	Railway offsite group; crown raised over field to 4m clearance.	Good	Good	20+	C2	2.8
G59	Field maple; hawthorn; buddleia; silver birch; goat willow;	Off	3-8	50		140.0	2	1	SM	Railway offsite trees. Predominantly silver birch.	Good	Good	20+	C2	1.7
G60	Field maple; hawthorn; silver birch; goat willow;	Off	3-8	15		140.0	2	1	SM	Railway offsite trees. Predominantly silver birch.	Good	Good	20+	C2	1.7

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

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G61	Hawthorn; elder; hornbeam; ash; blackthorn; oak; field maple	On	5-15	200	Yes	350.0	6	3	M	Slightly more sparsely located trees with stream flowing through the centre. Ash with understorey of hawthorn.	Good	Good	40+	B2	4.2
G62	Ash; elder; hawthorn; crack willow;	On	8-15	50	Yes	600.0	5	3	M	Boundary copse with stream flowing through the centre.	Good	Good	40+	B2	7.2
G63	Ash; English oak; hawthorn; blackthorn; elder; hazel	On	03-Dec	50	Yes	320.0	3	1	M	Mature ash; hedgerow species as understorey. Trees located on either side of stream. Stream follows edge of field. Sections trimmed due to power line proximity.	Good	Good	40+	B2	3.8
G64	Hawthorn; elder; blackthorn; field maple; ash	On	03-Aug	50	Yes	120.0	2	0	EM	Majority hedgerow species outgrown; ditch to the east. Flailed on field side up to 2m.	Good	Good	40+	C2	1.5
G65	Hawthorn; elder; blackthorn; ash; hazel; goat willow	On	03-Nov	150	Yes	150.0	2	0	EM	Majority hedgerow species outgrown; ditch to the east.	Good	Good	40+	C2	1.8
G66	Ash; English oak; hawthorn; blackthorn; elder; hazel	On	Mar-16	30	Yes	400.0	5	2	M	Mature ash with one oak; hedgerow species as understorey. Trees located on either side of stream. Stream follows edge of field. Sections trimmed due to power line proximity.	Good	Good	40+	B2	4.8
G67	Hawthorn	On	06-Aug	7	Yes	250.0	2	2	M	Mature hawthorn evenly spaced in similar condition. One with split stem into field.	Good	Good	40+	B2	3.0
G68	Hawthorn; elder; hornbeam; ash; blackthorn; field maple	On	5-15	200	Yes	350.0	6	3	M	Stream flowing through the centre. Predominantly hedgerow species; large and mature hawthorn in group.	Good	Good	40+	B2	4.2
G69	Field maple; hawthorn	Off	4-8	20		140.0	2	0	EM	Railway offsite trees at rear of hedgerow species.	Good	Good	20+	C2	1.7
G70	Elder; hawthorn; field maple	On	03-Dec	30	Yes	190.0	3	1	M	Stream flowing through the centre. Predominantly hedgerow species.	Good	Good	40+	B2	2.3
G71	Elder; wych elm; hawthorn; hazel; ash; field maple; English oak	On	03-Dec	200	Yes	300.0	3	3	M	Stream flowing through the centre. Predominantly hedgerow species.	Good	Good	40+	B2	3.6
G72	Ash	Off	11	2		80.0	2	1	SM	Railway offsite trees. Previously coppiced.	Good	Fair	20+	C2	1.0
G73	Ash; hawthorn; blackthorn; field maple	Off	4-12	20		140.0	2	1	EM	Railway offsite trees. Predominantly ash.	Good	Good	20+	C2	1.7
G74	Hawthorn; elder; ash; field maple; hazel	Off	4-12	40		220.0	2.5	1	EM	Railway offsite trees. Predominantly ash and outgrown hedgerow species.	Good	Good	40+	C2	2.6
G75	Ash; field maple; elder; wych elm; hawthorn	On	5-17	200	Yes	400.0	4	3	M	Stream flowing through the centre. Predominantly ash with hedgerow species understorey.	Good	Good	40+	B2	4.8

TREE SURVEY SCHEDULE

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CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/off site	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. crown radius (m)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
G76	English oak; common ash; hawthorn	Off	12-15	20	Yes	500.0	6	2	EM	DH11 Mixed broadleaf group on rail embankment with elder and thorn understorey	Good	Good	40+	B2	6.0
G77	Ash	On	10-Dec	30	Yes	150.0	2	3	SM	Semi mature ash group.	Good	Good	40+	C2	1.8
G78	Hawthorn; elder; ash; field maple	Off	4-12	100		320.0	2.5	0	EM	Railway offsite trees. Predominantly ash and outgrown hedgerow species. Several ash coppice.	Good	Good	40+	B2	3.8
G79	Common ash	Off	12-15	30	Yes	300.0	5	3	SM	Multi stemmed regrowth on rail embankment with hawthorn and elder understorey	Good	Fair	20+	C2	3.6
G80	Hawthorn; elder; ash; field maple	Off	4-12	100		320.0	2.5	0	EM	Railway offsite trees. Predominantly outgrown hedgerow species. Ditch to the west.	Good	Good	40+	B2	3.8
G81	Crack willow	On	12-15	2	Yes	300.0	6	2	M	Field boundary ditch to north. Multi stemmed at bases	Good	Fair	20+	B2	3.6
G82	Common ash	On	9-11	2	Yes	400.0	5	2	M	Field boundary ditch to north. Multi stemmed ivy clad stems. Some early signs of ash dieback	Fair	Fair	10+	C2	4.8
G83	Crack willow; common ash	On	12-16	8	Yes	500.0	5	2	M	Field boundary ditch to north. Some failed stems and tear outs - typical of species. Hawthorn / scrub understorey	Good	Fair	20+	B2	6.0
G84	Crack willow	On	12-15	5	Yes	300.0	5	0.5	EM	Growing in field boundary ditch. Multi stemmed at bases	Good	Fair	20+	B2	3.6
G85	Common ash	On	14-16	3	Yes	400.0	5	1	M	Field boundary to north. Ivy clad stems. Early signs of ash dieback. Multi stemmed at bases	Fair	Fair	10+	C2	4.8
G86	Field maple	On	8-10	2	Yes	300.0	4	0	EM	Field boundary ditch to north. Multi stemmed at bases	Good	Fair	20+	B2	3.6
G87	Common ash	On	14-16	7	Yes	300.0	4	2	EM	Field boundary ditch to north. Multi stemmed at bases	Fair	Fair	10+	C2	3.6
G88	Aspen; rowan; field maple; sycamore; wild cherry; crab apple	Off	5-10	30	Yes	400.0	4	2	EM	Tree group growing in domestic garden	Good	Good	40+	B2	4.8
G89	Hawthorn; elder; Laurel	Off	6-8	4	Yes	150.0	3	0	M	Unmanaged tree group in domestic garden	Good	Good	20+	B2	1.8
G90	Cherry; Laurel; holly	Off	03-May	3	Yes	75.0	4	0	EM	Tree group growing in domestic garden	Good	Good	20+	B2	1.0
G91	Ash	On	Dec-14	10	Yes	380.0	5	3	SM	Established stand of hedge trees; ditch to N	Good	Fair	20+	B2	4.5
G92	English oak	On	6	3	Yes	250.0	3	2.5	SM	Close grown group forming a cohesive crown	Good	Fair	20+	C2	3.0

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/off site	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. crown radius (m)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
G93	Ash; sycamore; elm; Norway maple; hawthorn; blackthorn; wild privet; elder; dogrose	Off	Jan-15	45	Yes	450.0	4.5	0.5	SM	NW edge abuts railway side; thorn; privet; dogrose & elder form an establishing understory; pre-fab concrete workman's hut to SW corner of plot	Good	Fair	20+	B2	5.4
G94	Ash; hawthorn; wych elm	On	6-12	20		280.0	3	2	EM	Located on bank close to track. Dense ground vegetation.	Good	Good	40+	C2	3.3
G95	Ash	On	7-11	2	Yes	200.0	4	4	EM	Hedgerow trees; shared crown.	Fair	Good	20+	C2	2.4
G96	English oak; ash; field maple; crab apple	On	11-13	30	Yes	330.0	6	4	EM	Evenly planted group; clear understorey.	Good	Good	40+	B2	3.9
G97	Hawthorn; Norway spruce; ash; wych elm; elder; apple; holly	On	4-10	30	Yes	260.0	3	0	SM	Enclosed group with maintained edges. Dense undergrowth with spacious sections between trees. Ash and hedgerow species predominantly on outer edge.	Good	Good	40+	C2	3.1
G98	Hawthorn; Norway spruce; ash; wych elm; elder; apple; holly	On	4-10	30	Yes	260.0	3	0	EM	Enclosed group with maintained edges. Dense undergrowth. Ditch to the north. Pond on northwest side of group; completely surrounded. Recent felling in sections; debris left on ground.	Good	Good	40+	C2	3.1
G99	Apple; pear	On	4-8	40	Yes	260.0	3	0	M	Enclosed orchard; grass understorey; even spaced. Typical for age and species.	Good	Good	40+	B3	3.1
G100	Ash; hawthorn	On	3-7	5	Yes	120.0	2	2	SM	Ash group located under high voltage power lines.	Good	Good	40+	C2	1.5
G101	Elder; hawthorn	On	03-May	30	Yes	100.0	2	0	SM	Hedgerow species surrounding collapsed willow branch with regrowth.	Good	Good	40+	C2	1.3
G102	Hawthorn; elder	Off	3-6	8		60.0	2	0	SM	Railway tree group; offsite. Intermixed with scrub.	Good	Good	40+	C2	0.8
G103	Hawthorn	Off	3-5	3		60.0	2	0	SM	Railway tree group.	Good	Good	40+	C2	0.8
G104	Ash	Off	10	3	Yes	350.0	3	0	EM	Off-site on railway embankment; cursory inspection from site boundary	Good	Fair	20+	B2	4.2
G105	Ash; hawthorn; blackthorn	On	04-Nov	15	Yes	220.0	4	3	EM	Ash group; part of boundary with hedgerow understorey. Ditch to the west.	Fair	Good	40+	C2	2.6
G106	Ash	On	7-16	10		450.0	6	4	M	Ivy clad linear boundary collection of ash. One with recently split stem; collapsed to the north. Ditch to the north.	Fair	Good	20+	C2	5.4
G107	Ash; hawthorn; goat willow; plum	On	04-Aug	15	Yes	340.0	6	4	EM	Group surrounding pond.	Good	Good	40+	B2	4.1

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G108	Ash; hawthorn;	On	04-Oct	10	Yes	340.0	5	4	EM	Predominantly ash group on edge of field. Typical for age and species. Edge maintained as part of hedgerow.	Good	Good	40+	B2	4.1
G109	Ash	On	Aug-14	6	Yes	600.0	5	3	EM	Typical for age and species. Ditch to the north.	Good	Good	40+	B2	7.2
G110	Wych elm; hawthorn; ash	On	06-Sep	5	Yes	260.0	5	4	EM	Typical for age and species. Edge maintained as part of hedgerow.	Good	Good	40+	B2	3.1
G111	Ash; hawthorn; blackthorn	On	04-Sep	15	Yes	260.0	3	0	EM	Typical for age and species. Edge maintained as part of hedgerow.	Good	Good	40+	B2	3.1
G112	Ash; hawthorn; blackthorn; field maple	On	04-Sep	15	Yes	260.0	3	0	EM	Typical for age and species. Edge maintained as part of hedgerow. Ditch to the north.	Good	Good	40+	B2	3.1
G113	Ash; hawthorn; blackthorn; elder	On	04-Sep	15	Yes	220.0	3	0	EM	Deep ditch located in centre of group following site boundary.	Good	Good	40+	B2	2.6
G114	Ash; hazel	On	8-10	8	Yes	300.0	4	4	EM	Hedgerow trees; typical for age and species in location.	Good	Good	20+	C2	3.6
G115	English oak; ash; hawthorn; plum; elder;	Off	May-14	100	Yes	550.0	5	4	M	Offsite group; overhanging site by max 2m; follows bridle way. Group includes overgrown rear of hedgerow.	Good	Good	40+	B2	6.6
G116	English oak	Off	12-14	3	Yes	550.0	6	4	M	Minor deadwood in crown. Offsite group; overhanging site by 2m.	Good	Good	40+	B2	6.6
G117	Sycamore	On	13-15	6	Yes	300.0	5	0	SM	Sycamore establishing within the hedgerow and 3rd party land	Good	Fair	40+	B2	3.6
G118	Common ash; blackthorn; hawthorn	On	5-18	30	Yes	450.0	7	2	EM	SM to EM group of ash with an understorey of thorn; located parallel to the railway tracks	Good	Fair	40+	B2	5.4
G119	Blackthorn; hawthorn; elder; common ash; field maple	On	5-15	100	Yes	300.0	5	2	EM	Limited access at time of survey. Railway embankments/field boundary trees. Thorn scrub interspersed with SM to EM as and field maple	Good	Fair	40+	B2	3.6
G120	Hawthorn; blackthorn; field maple; common ash; elder	On	4-10	80	Yes	200.0	4	0.25	EM	SM to EM broadleaf trees/scrub growing on the railway embankments	Good	Fair	20+	B2	2.4
G121	Hawthorn; blackthorn; field maple; common ash; elder	On	4-8	80	Yes	200.0	4	0.25	EM	SM to EM broadleaf trees/scrub growing on the railway embankments	Good	Fair	20+	B2	2.4

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Arboricultural Consultants

WOODLANDS

Ref	Species	On/off site	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	Special importance	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
W1	Hawthorn; blackthorn; common ash; English oak; elder	On	3-15	1000	Yes	500	5.0	0.25	EM	None	Dense scrub with more mature ash and oak interspersed within. The more prominent and mature woodland edge trees have been plotted as individuals or as groups	Good	Good	40	B2	6.0
W2	Common ash; grey willow; hawthorn; field maple; Lombardy poplar; hazel	Off	3-17	300	Yes	400	4.0	0.5	SM	None	Copse of broadleaf trees; some early mature but majority are semi mature	Good	Good	40	B2	4.8
W3	Common ash; goat willow; grey willow; hawthorn; field maple; Lombardy poplar; hazel	Off	3-17	1000	Yes	400	4.0	0.5	SM	None	Copse of broadleaf trees; some early mature but majority are semi mature	Good	Good	40	B2	4.8

HEDGEROWS

Ref	Species	On/off site	Av. height (m)	Av. width (m)	Av. stem diam (mm)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
H1	Hawthorn	On	3	3	150	0.1	M	Dense hedgerow; historically laid	Good	Good	40+	B2	1.8
H2	Hawthorn	On	4.5	4.5	225	0.3	LM	Mature hedgerow; dead a declining trees within. Has good deadwood habitat value	Poor	Fair	10+	C3	2.7
H3	Hawthorn; elder; rose	On	3.5	3.5	150	0.1	M	Dense hedgerow; unmaintained	Good	Good	40+	B2	1.8
H4	Hawthorn; blackthorn; elder; rose	On	4	4	150	0.1	M	HH13(B) Dense hedgerow; unmaintained	Good	Good	40+	B2	1.8
H5	Hawthorn; elder; blackthorn ; field maple; crab apple	On	1.75	1.5	85	0.1	EM	Gaps of up to 20-15m along the hedgerow; ditch to the east	Good	Fair	20+	C2	1
H6	Hawthorn; elder; rose	On	1.75	1.75	80	0.1	EM	HH13(A)Dense hedgerow; maintained	Good	Fair	40+	B2	1
H7	Hawthorn; blackthorn; rose; willow	On	4.5	3.5	80	0.1	EM	Dense hedgerow; maintained; ditch to east	Good	Fair	20+	B2	1
H8	Hawthorn; elder	On	3	3	100	0.2	M	Dense and mature hedgerow; predominantly hawthorn	Good	Good	40+	B2	1.3
H9	Hawthorn; common ash	On	2	2	100	0.2	M	Dense and mature hedgerow; predominantly hawthorn	Good	Good	40+	B2	1.3
H10	Hawthorn; willow	On	1.5	2	80	0.2	M	Dense and mature hedgerow; maintained	Good	Good	40+	B2	1

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H11	Hawthorn; rose; goat willow	On	4.5	4	225	0.2	M	Dense and mature hedgerow; predominantly hawthorn; unmaintained	Good	Good	40+	B2	2.7
H12	Hawthorn	On	3	2	100	0.2	M	Dense and mature hedgerow	Good	Good	40+	B2	1.3
H13	Hawthorn; rose	On	1.5	2	80	0.2	M	Dense and mature hedgerow; maintained	Good	Good	40+	B2	1
H14	Hawthorn; blackthorn	On	1.5	2	80	0.2	M	Dense and mature hedgerow; maintained	Good	Good	40+	B2	1
H15	Hawthorn; blackthorn	On	3	2	80	0.2	M	Informal hedgerow; side flailed; outgrown on top	Good	Good	40+	B2	1
H16	Hawthorn; blackthorn	On	1.5	1.5	80	0.2	M	Informal hedgerow/understorey trees. Ditch to N	Good	Good	40+	C2	1
H17	Hawthorn; blackthorn; elder	On	1	1	60	0.1	EM	Maintained hedgerow	Good	Good	40+	C2	0.8
H18	Hawthorn; blackthorn	On	1.5	1	60	0.1	EM	Maintained hedgerow; some gaps	Good	Good	20+	C2	0.8
H19	Hawthorn; blackthorn	On	1.25	1	60	0.1	EM	Maintained hedgerow; some gaps	Good	Good	20+	C2	0.8
H20	Hawthorn; blackthorn	On	1.75	1.25	60	0.1	M	Maintained hedgerow; some gaps. Historically laid	Good	Good	40+	B2	0.8
H21	Hawthorn; blackthorn; ash	On	1.5	1.25	80	0.2	M	Dense and mature hedgerow; maintained	Good	Good	40+	B2	1
H22	Hawthorn; rose; elder	On	2	1.5	100	0.2	M	Dense and mature hedgerow; maintained. Historically laid. Some gaps	Good	Good	40+	B2	1.3
H23	Hawthorn; hazel	On	1.5	1.25	80	0.2	M	Dense and mature hedgerow; maintained	Good	Good	40+	B2	1
H24	Hawthorn; elm	On	1.5	1.25	1	0.2	M	Dense hedgerow; maintained	Good	Good	40+	B2	0
H25	Hawthorn; sycamore; hazel; common ash	On	2	2	80	0.2	M	Dense and mature hedgerow; maintained	Good	Good	40+	B2	1
H26	Hawthorn; rose	On	1.5	2	80	0.2	M	Dense and mature hedgerow; maintained	Good	Good	40+	B2	1
H27	Hawthorn	On	2.25	2.5	80	0.2	M	Dense hedgerow; maintained. Some younger trees have been planted to fill gaps	Good	Good	40+	B2	1
H28	Hawthorn	On	2.25	2.5	80	0.2	M	Dense hedgerow; maintained. Some younger trees have been planted to fill gaps	Good	Good	40+	B2	1
H29	Hawthorn; blackthorn; elder; ash; elm	On	1.25	1	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H30	Hawthorn; blackthorn	On	1.75	1.25	60	0.1	M	Maintained hedgerow in its S section; more woodland understorey (informal hedgerow) to the N	Good	Good	40+	B2	0.8
H31	Hawthorn; blackthorn; elder	On	1.75	1.25	60	0.1	M	Maintained hedgerow; historically laid	Good	Good	40+	B2	0.8
H32	Hawthorn; blackthorn	On	1.25	1	80	0.1	M	Short section of maintained hedgerow	Good	Good	40+	C2	1

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/off site	Av. height (m)	Av. width (m)	Av. stem diam (mm)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
H33	Hawthorn; blackthorn	On	1.25	1	80	0.1	M	Short section of maintained hedgerow	Good	Good	40+	C2	1
H34	Hawthorn; blackthorn	On	1.25	1	80	0.1	M	Short section of maintained hedgerow	Good	Good	40+	C2	1
H35	Hawthorn; blackthorn; elder; elm	On	1.75	1.75	80	0.1	M	Dense hedgerow; maintained. Some gaps	Good	Good	40+	B2	1
H36	Hawthorn; blackthorn; elder; elm	On	1.25	1	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H37	Hawthorn; blackthorn	On	1.5	1.25	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H38	Hawthorn; elder; field maple; elm	On	2	2	100	0.1	M	Dense hedgerow; maintained. Some gaps	Good	Good	40+	B2	1.3
H39	Hawthorn; blackthorn; elder	On	2	1.5	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H40	Hawthorn; blackthorn; elder; field maple; elm	On	2	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H41	Hawthorn; field maple; elder	On	3.5	3	100	0.1	M	Dense hedgerow; unmaintained	Good	Good	40+	B2	1.3
H42	Hawthorn; field maple; elder	On	3.5	3	100	0.1	M	Dense hedgerow; unmaintained	Good	Good	40+	B2	1.3
H43	Hawthorn; blackthorn	On	2	1.25	80	0.1	M	Dense hedgerow; maintained. Ditch to the E	Good	Good	40+	B2	1
H44	Hawthorn; blackthorn; elder	On	2	2	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H45	Hawthorn	On	2	2	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H46	Hawthorn	On	2	2	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H47	Hawthorn	On	2	2	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H48	Hawthorn; blackthorn; field maple; damson	On	3	5	100	0.1	M	Dense hedgerow; side flailed only; outgrown on top	Good	Good	40+	B2	1.3
H49	Hawthorn; blackthorn; elder; field maple; rose	On	2.5	2.25	100	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H50	Hawthorn; blackthorn	On	2.25	2.25	100	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H51	Hawthorn; blackthorn; elder; field maple; cherry	On	5	5	150	0.1	M	EH32 (B) Dense hedgerow; unmaintained	Good	Good	40+	B2	1.8
H52	Hawthorn; blackthorn; elder; field maple; elm	On	2.5	2	100	0.1	M	EH32 (A) Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H53	Hawthorn; blackthorn; elder; rose	On	4.5	3	125	0.1	M	Dense hedgerow; unmaintained	Good	Good	40+	B2	1.5

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

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H54	Hawthorn; blackthorn; elder	On	2	2	100	0.1	EM	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H55	Hawthorn; blackthorn; hazel; goat willow; rose; cornus; guelder rose	On	1.25	0.75	50	0.1	SM	Establishing newly planted hedgerow	Good	Fair	40+	C2	0.6
H56	Hawthorn; blackthorn; elder	On	2	2	100	0.1	EM	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H57	Hawthorn; blackthorn; hazel; goat willow; rose; cornus; guelder rose	On	1.25	0.75	50	0.1	SM	Establishing newly planted hedgerow	Good	Fair	40+	C2	0.6
H58	Hawthorn; blackthorn; rose; elder	On	2	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H59	Hawthorn; blackthorn; rose; elder	On	1.75	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H60	Hawthorn; blackthorn; rose; elder	On	2	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H61	Hawthorn; blackthorn; rose; elder	On	1.75	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H62	Hawthorn; blackthorn; rose; elder	On	2	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H63	Hawthorn; blackthorn; rose; elder	On	1.75	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H64	Hawthorn; elder	On	2.5	2.5	100	0.1	EM	EH8 (B) Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H65	Hawthorn; bramble	On	1.5	2	80	0.1	M	EH8 (A) high percentage of bramble; occasional hawthorn tree; some gaps	Good	Good	<10	C2	1
H66	Hawthorn; blackthorn	On	2.25	2	100	0.1	EM	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H67	Hawthorn; blackthorn	On	2	2	100	0.1	EM	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H68	Hawthorn; blackthorn	On	1.5	1	80	0.1	EM	Dense hedgerow; maintained	Good	Good	40+	B2	1
H69	Hawthorn	On	2	2	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H70	Hawthorn; blackthorn; rose; elm	On	2	1.75	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H71	Hawthorn; blackthorn; elder; field maple	On	2.25	1.75	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H72	Hawthorn; elder; field maple	On	2.25	1.75	80	0.1	M	Dense hedgerow; maintained. Some gaps	Good	Good	40+	B2	1

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

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H73	Hawthorn; blackthorn	On	2	2	80	0.1	M	Dense hedgerow; maintained. Some gaps	Good	Good	40+	B2	1
H74	Hawthorn; blackthorn; elder; field maple; cornus	On	2	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H75	Hawthorn; blackthorn; elder; field maple; hazel; elm	On	2	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H76	Hawthorn; blackthorn; elder; ash	On	2.25	2	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H77	Hawthorn; blackthorn; rose	On	2.25	2	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H78	Hawthorn; blackthorn; elm	On	2	2	80	0.1	M	Maintained hedgerow; some gaps	Good	Good	40+	B2	1
H79	Hawthorn; blackthorn; elder	On	1.75	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H80	Hawthorn; blackthorn; field maple	On	2.5	2	100	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1.3
H81	Hawthorn; blackthorn; rose	On	2	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H82	Hawthorn; blackthorn	On	2	1.5	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H83	Hawthorn; blackthorn; elm; ash; rose	On	2	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H84	Hawthorn; blackthorn; rose	On	2	1.5	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H85	Hawthorn; blackthorn	On	2	1.5	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H86	Hawthorn; blackthorn; elder; elm	On	1.25	1	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H87	Hawthorn; elder	On	4	3.5	125	0.1	EM	Dense hedgerow; unmaintained. Ditch to the E	Good	Good	40+	B2	1.5
H88	Hawthorn; blackthorn; elm	On	2	1.5	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H89	Hawthorn; blackthorn; elder; crab apple; honeysuckle	On	2.25	2.25	125	0.1	M	Dense hedgerow; maintained. Historically laid. Some gaps	Good	Good	40+	B2	1.5
H90	Hawthorn; blackthorn; elder	On	2.25	2	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H91	Hawthorn; blackthorn; elder; elm	On	1.25	1	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H92	Hawthorn; blackthorn; elm; ash; rose; elder	On	2.25	1.5	80	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1
H93	Hawthorn; blackthorn; elm	On	2.25	2	100	0.1	M	Dense hedgerow; maintained. Ditch to E	Good	Good	40+	B2	1.3

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

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H94	Hawthorn; blackthorn; elder; rose	On	1.75	1.25	100	0.1	M	Dense hedgerow; maintained; historically laid; some gaps	Good	Fair	40+	B2	1.3
H95	Hawthorn; blackthorn; elder; field maple	On	1.75	1.25	80	0.1	M	Dense hedgerow; maintained. Ditch to the N	Good	Good	40+	B2	1
H96	Hawthorn; blackthorn; elder	On	1.75	1.25	100	0.1	M	Dense hedgerow; maintained; some gaps	Good	Fair	40+	B2	1.3
H97	Hawthorn; blackthorn; elder	On	1.75	1.25	100	0.1	M	Short section of dense hedgerow; maintained	Good	Fair	40+	B2	1.3
H98	Hawthorn; blackthorn; elder	On	1.25	1.25	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H99	Hawthorn; blackthorn	On	2.5	2	80	0.1	M	Dense hedgerow; maintained; gaps of 10-15m	Good	Good	40+	B2	1
H100	Hawthorn; blackthorn; elm	On	2.25	2	100	0.1	M	Dense hedgerow; maintained. Predominantly elm	Good	Good	40+	B2	1.3
H101	Hawthorn; blackthorn; elder	On	1.5	1.25	60	0.1	EM	Maintained hedgerow; historically laid; some gaps	Good	Good	40+	B2	0.8
H102	Hawthorn; blackthorn; elder	On	1.75	1.75	100	0.1	M	Dense hedgerow; maintained; historically laid	Good	Good	40+	B2	1.3
H103	Hawthorn; blackthorn; elder	On	1.5	1.25	60	0.1	EM	Maintained hedgerow; historically laid	Good	Good	40+	B2	0.8
H104	Hawthorn; blackthorn; elder	On	2.25	2	100	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H105	Hawthorn; blackthorn; elder	On	1.25	1	60	0.1	SM	Maintained hedgerow. Majority of hedgerow consists of establishing hawthorn	Good	Fair	40+	B2	0.8
H106	Hawthorn; blackthorn; elder; ash	On	2.25	2	100	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H107	Hawthorn; blackthorn; elder	On	1.25	1	60	0.1	SM	Maintained hedgerow. Majority of hedgerow consists of establishing hawthorn	Good	Fair	40+	B2	0.8
H108	Hawthorn; elder	On	1.25	1	60	0.1	SM	Maintained hedgerow. Majority of hedgerow consists of establishing hawthorn	Good	Good	40+	B2	0.8
H109	Hawthorn; blackthorn; rose; field maple; hazel	On	1.75	2	100	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H110	Hawthorn; blackthorn; elder; field maple	On	2.25	2.25	125	0.1	M	Dense hedgerow; maintained. Historically laid	Good	Good	40+	B2	1.5
H111	Hawthorn; elder	On	1	1	100	0.1	M	Maintained hedgerow. Gaps along its length	Fair	Fair	20+	C2	1.3
H112	Hawthorn; elder	On	1	1	100	0.1	M	Maintained hedgerow. Gaps along its length	Fair	Fair	20+	C2	1.3
H113	Hawthorn; blackthorn; elder; field maple	On	2.25	2.25	125	0.1	M	Dense hedgerow; maintained. Historically laid	Good	Good	40+	B2	1.5
H114	Hawthorn; blackthorn; elder; ash; field maple	On	2.5	2.5	100	0.1	M	Dense hedgerow; maintained. Ditch to E	Good	Good	40+	B2	1.3

TREE SURVEY SCHEDULE

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Ref	Species	On/off site	Av. height (m)	Av. width (m)	Av. stem diam (mm)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
H115	Hawthorn; blackthorn; elder	On	2.5	2.5	100	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H116	Hawthorn; blackthorn; cornus; elder	On	2.25	2.5	100	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1.3
H117	Hawthorn; elder	On	2.5	2	100	0.1	EM	Dense hedgerow; maintained. Historically laid	Good	Good	40+	B2	1.3
H118	Hawthorn; blackthorn	On	1	1	80	0.1	EM	Dense low level hedgerow; maintained	Good	Fair	40+	B2	1
H119	Hawthorn; blackthorn; elder; field maple	On	1.75	1.25	80	0.1	M	Dense hedgerow; maintained. Ditch to the N	Good	Good	40+	B2	1
H120	Hawthorn; blackthorn; elm; grey willow ; field maple; crab apple	On	2.25	2	100	0.1	EM	Dense hedgerow; maintained	Good	Fair	40+	B2	1.3
H121	Hawthorn; blackthorn	On	2.5	2	80	0.1	EM	Dense hedgerow; maintained	Good	Good	40+	B2	1
H122	Hawthorn; blackthorn	On	2.5	2	100	0.1	EM	Dense hedgerow; maintained. Historically laid	Good	Good	40+	B2	1.3
H123	Hawthorn; blackthorn; elder	On	2.5	2	100	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1.3
H124	Hawthorn; blackthorn;elder	On	2	2	100	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1.3
H125	Hawthorn; blackthorn; elder	On	2	1.25	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H126	Hawthorn; blackthorn; elder; rose	On	2.25	1.75	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H127	Hawthorn; blackthorn; elder; rose	On	2.25	1.75	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H128	Hawthorn; blackthorn; elder	On	2.25	1.75	80	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1
H129	Hawthorn; blackthorn	On	2	2	100	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1.3
H130	Hawthorn; blackthorn; ash; elder	On	2.5	2	100	0.1	M	Dense hedgerow; maintained.	Good	Good	40+	B2	1.3
H131	Hawthorn; blackthorn	On	2	2	100	0.1	EM	Dense hedgerow; maintained.	Good	Good	40+	B2	1.3
H132	Hawthorn; blackthorn; rose; field maple	On	2.25	2	100	0.1	EM	Dense hedgerow; maintained.	Good	Good	40+	B2	1.3
H133	Hawthorn; blackthorn; rose; field maple	On	2.25	2	100	0.1	EM	Dense hedgerow; maintained.	Good	Good	40+	B2	1.3
H134	Hawthorn; blackthorn; elder	On	2	2	100	0.1	EM	Short section of dense hedgerow; maintained.	Good	Good	40+	B2	1.3
H135	Hawthorn; blackthorn; cornus; elder	On	2.25	2.5	100	0.1	M	Dense hedgerow; maintained	Good	Good	40+	B2	1.3

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H136	Hawthorn; blackthorn; elder	On	2	2	100	0.1	M	Maintained hedgerow. Gaps along its length	Fair	Fair	20+	C2	1.3
H137	Common ash; hawthorn	On	1.5	1	75	0.0	EM	DH35/B Ditch to east. Maintained on all sides. Predominately hawthorn	Good	Good	20+	B2	1
H138	Hawthorn	On	1.75	0.5	75	0.0	SM	DH36 Establishing hedge with some gaps. Maintained on all sides	Good	Fair	40+	C2	1
H139	Elder; hawthorn	On	1.5	1	75	0.0	M	DH37/A some gaps in hedge. Predominantly hawthorn. Maintained on all sides	Fair	Fair	10+	C2	1
H140	Elder; hawthorn	On	1.5	1	75	0.0	M	DH37/B frequent gaps in hedge. Maintained on all sides	Fair	Fair	10+	C2	1
H141	Elder; hawthorn	On	1.5	1	75	0.0	M	DH37/C frequent gaps and dense bramble in hedge. Maintained on all sides	Fair	Fair	<10	U	1
H142	Elder; hawthorn	On	1.5	1	75	0.0	M	DH37/D frequent gaps in hedge. Maintained on all sides. End hawthorn on east is not topped.	Fair	Fair	10	C2	1
H143	Elder; hawthorn	On	2	1.5	90	0.0	M	DH38/A Some gaps in hedge. Maintained on all sides; however; tops of hawthorn on southern edge have been left to grow	Fair	Fair	20+	B2	1.1
H144	Elder; hawthorn	On	2	1.5	90	0.0	M	DH38/B Frequent gaps in hedge. Maintained on all sides; however; tops of hawthorn on southern edge have been left to grow	Fair	Fair	10+	C2	1.1
H145	Hawthorn	On	1.75	1	90	0.0	M	DH38/C short section of hedge. Maintained on all sides. Dense bramble	Fair	Fair	10+	C2	1.1
H146	Hawthorn; blackthorn	On	1.5	1	90	0.0	M	DH38/D short section of hedge with frequent gaps. Maintained on all sides	Fair	Fair	10+	C2	1.1
H147	Hawthorn	On	1.75	1.5	90	0.0	M	DH38/E Frequent gaps. Maintained on all sides; however; tops of hawthorn on south side of tops has been left un cut. Some bramble in hedge	Fair	Fair	10+	C2	1.1
H148	Hawthorn; elder	On	1.75	1.5	90	0.0	M	DH38/F intermittent gaps. Maintained on all sides; however; tops of hawthorn on south side of tops has been left un cut. Some bramble in hedge	Fair	Fair	20+	B2	1.1
H149	Hawthorn; dog rose; bramble	On	4	3	75	0.0	M	DH24/C Well established linear hedgerow	Good	Good	20+	B2	1
H150	Blackthorn; elder; hawthorn; bramble	On	1.75	1.5	75	0.0	M	DH25/A Varying condition. Some dense bramble and climbing plants. Growing in boundary ditch	Fair	Fair	10+	C2	1
H151	Hawthorn	On	2	1.5	75	0.0	M	DH25/B short section of hedge. Growing in boundary ditch	Fair	Fair	10+	C2	1
H152	Hawthorn; common ash; field maple; blackthorn; Wych elm; elder	On	2	2	90	0.0	EM	DH25/C. Growing in boundary ditch. Managed at varying heights / widths. Minor gaps / lower quality sections	Good	Good	20+	B2	1.1

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/off site	Av. height (m)	Av. width (m)	Av. stem diam (mm)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
H153	Field maple; hawthorn; dog rose	On	2	2	75	0.0	EM	DH26/A Linear hedge row	Good	Good		B2	1
H154	Hawthorn; common ash	On	6	5	150	0.0	M	DH27/B Growing in field boundary ditch. Ivy clad stems. Unmanaged; some becoming trees. Linear group	Good	Fair	20+	B2	1.8
H155	Hawthorn; common ash; dog rose	On	6	5	100	0.0	EM	DH28 Field boundary ditch to north. Minor gaps in group. Unmanaged hedging species	Good	Fair	10+	C2	1.3
H156	Hawthorn; common ash	On	6	5	150	0.0	M	DH27/A Growing in field boundary ditch. Ivy clad stems. Unmanaged; some becoming trees. Linear group	Good	Fair	20+	B2	1.8
H157	Crack willow; Eder	On	3	2	75	0.0	EM	DH26/B Willow regrowth from felled trees; mostly sub 75mm stems. Growing either side of boundary ditch	Good	Fair	20+	C2	1
H158	Field maple; hawthorn	On	3	2	75	0.0	EM	DH26/C Growing in boundary ditch. Topped / felled stems with regrowth.	Fair	Fair	10+	C2	1
H159	Crack willow	On	4	3	75	0.0	SM	DH26/D Dense regrowth from felled trees. Growing in boundary ditch. Intermittent gaps. Majority are sub 75mm	Good	Fair	20+	C2	1
H160	Crack willow; common ash	On	4	3	75	0.0	SM	DH21/B Dense regrowth from felled tree stumps. Growing in boundary ditch. Intermittent gaps. Majority are sub 75mm	Good	Fair	20+	C2	1
H161	Elder; hawthorn; common ash	On	5	4	75	0.0	SM	DH21/A Unmanaged hedgerow species becoming trees. Growing in boundary ditch	Fair	Fair	10+	C2	1
H162	Hawthorn	On	4	3	75	0.0	M	DH24/B Well established linear hedgerow	Good	Good	20+	B2	1
H163	Hawthorn	On	4	3	75	0.0	M	DH24/A Well established linear hedgerow	Good	Good	20+	B2	1
H164	Hawthorn; elder; crab apple	On	3	3	100	0.0	EM	DH20. Unmanaged hedgerow species growing either side of boundary ditch. Some dead elm in group. Minor gaps in group	Fair	Fair	10+	C2	1.3
H165	Blackthorn; hawthorn; dog rose; elder	On	4	3	75	0.0	EM	Growing either side of field boundary ditch. Not on topo	Good	Fair	20+	C2	1
H166	Hawthorn	On	7	4	100	0.0	M	Growing either side of field boundary ditch. Not on topo	Good	Good	20+	B2	1.3
H167	Lilac; hawthorn; elder	On	4	3	75	0.0	M	Unmanaged hedging species. Not on topo	Good	Good	10+	C2	1
H168	Hawthorn; blackthorn; sycamore; elder	On	1.5	1.25	70	0.0	SM	Maintained boundary hedge. Not on topo	Good	Fair	20+	B2	0.8
H169	Hawthorn	On	6	4	180	0.0	EM	Outgrown hedge; sides maintained by flail. Not on topo	Good	Fair	20+	B2	2.2
H170	Hawthorn; common ash	On	5	4	100	0.0	M	Establishing ash and mature hawthorn. Dense ivy on hawthorn stems. Ditch to west. Access track to southwest. Not on topo	Fair	Fair	10+	C2	1.3
H171	Blackthorn	On	4	2	75	0.0	SM	Dense bramble in parts. Access track to north east. Not on topo	Fair	Fair	10+	C2	1
H172	Hawthorn	On	6	4	350	0.0	M	Outgrown hedge; field sides maintained by flail. Not on topo	Good	Fair	20+	B2	4.2

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H173	Hawthorn; blackthorn; ash; elder; cypress	On	6	4	180	0.0	SM	Outgrown hedge; field sides maintained by flail; appears to be in field margin but possibly managed by resident. Not on topo	Good	Fair	20+	B2	2.2
H174	Hawthorn; blackthorn; ash	On	4	3.5	100	0.0	EM	Outgrown hedge; field sides maintained by flail. Not on topo	Good	Fair	20+	B2	1.3
H175	Hawthorn; blackthorn; elder	On	5	3.5	120	0.0	M	Outgrown hedge; field sides maintained by flail. Not on topo	Good	Fair	20+	B2	1.5
H176	Hawthorn; blackthorn	On	5	3.5	120	0.0	M	Outgrown hedge; field sides maintained by flail. Not on topo	Good	Fair	20+	B2	1.5
H177	Hawthorn; ash; elder	On	3	2	100	0.0	EM	Sides maintained by flail; losing integrity where bramble & elder are colonising gaps. Not on topo	Good	Fair	20+	C2	1.3
H178	Hawthorn; blackthorn	On	3.5	2	100	0.0	EM	Sides maintained by flail. Not on topo	Good	Fair	20+	B2	1.3
H179	Hawthorn; blackthorn; dogrose; elder	On	2	1.5	100	0.0	EM	Maintained by flail; two sporadic gaps appearing to N & S - <2m & <9m respectively. Not on topo	Good	Fair	20+	B2	1.3
H180	Hawthorn; Wych elm; dog rose; blackthorn; bramble	On	3	2	0	0.0	M	DH18/A. Well established linear hedgerow. Intermittent short gaps	Good	Good	20+	B2	0
H181	Hawthorn; goat willow; dog rose	On	5	4	100	0.0	M	DH18/B Linear unmanaged hedging species	Good	Good	20+	B2	1.3
H182	Hawthorn; blackthorn; elder; dog rose	Off	6	4	100	0.0	M	DH17/A Linear group of unmanaged hedgerow species on rail embankment. Not on topo	Good	Good	20+	B2	1.3
H183	Hawthorn; blackthorn; elder; dog rose	Off	6	4	100	0.0	M	DH17/C Linear group of unmanaged hedgerow species and establishing ash on rail embankment. Not on topo	Good	Good	20+	B2	1.3
H184	Hawthorn; blackthorn; elder; dog rose	Off	6	4	100	0.0	M	DH17/E Linear group of unmanaged hedgerow species and establishing ash on rail embankment. Not on topo	Good	Good	20+	B2	1.3
H185	Wych elm; blackthorn; dog rose	On	1.75	1	75	0.0	EM	Managed on all sides. Reduced vitality.	Fair	Fair	10+	C2	1
H186	Hawthorn; blackthorn; elder; dog rose	Off	6	4	100	0.0	M	DH17/F Linear group of unmanaged hedgerow species and establishing ash on rail embankment. Not on topo	Good	Good	20+	B2	1.3
H187	Hawthorn; blackthorn; field maple	On	1.75	1	90	0.0	M	DH14/A Managed on all sides. Ditch to east	Fair	Fair	20+	B2	1.1
H188	Hawthorn; common ash; dog rose	On	3.5	2	90	0.0	M	DH16/A Predominantly hawthorn	Good	Good	40+	B2	1.1
H189	Hawthorn; dog rose	On	3	2	90	0.0	M	DH16/B short section of hedge	Good	Good	20+	C2	1.1
H190	Hawthorn	On	1.75	1	90	0.0	M	DH14/B Managed on all sides. Intermittent gaps. Ditch to east	Fair	Fair	20+	B2	1.1
H191	Hawthorn; dog rose; field maple	On	3.5	2	90	0.0	M	DH16/B Predominantly hawthorn. Dense bramble on northern end	Good	Good	40+	B2	1.1
H192	Hawthorn	On	1.75	1	90	0.0	M	DH14/C Managed on all sides. Intermittent gaps. Ditch to east	Fair	Fair	20+	B2	1.1

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

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H193	Hawthorn	On	1.75	1	90	0.0	M	DH14/D Managed on all sides. Intermittent gaps. Ditch to east	Fair	Fair	20+	B2	1.1
H194	Blackthorn; hawthorn	On	2.5	2	75	0.0	SM	DH15/C predominantly blackthorn. Minor intermittent gaps <1.5m	Good	Good	20+	B2	1
H195	Blackthorn; hawthorn; dog rose	Off	4	4	75	0.0	EM	Some variation in height. Growing on rail land. Dense bramble and sub 75mm vegetation in parts. Not on topo	Good	Good	20+	C2	1
H196	Blackthorn; hawthorn; dog rose; elder	On	2.5	2	75	0.0	M	DH15/B predominantly thorn. Ditch to north	Good	Good	40+	B2	1
H197	Blackthorn	Off	4	4	75	0.0	EM	Orphan section. Not on topo	Good	Good	20+	C2	1
H198	Blackthorn; hawthorn; field maple; dog rose	On	2.5	2	75	0.0	M	DH15/A predominantly thorn. Ditch to north	Good	Good	40+	B2	1
H199	Hawthorn	On	1.5	0.5	75	0.0	M	DH10/A Short section of hedge managed on all sides. Ditch to east	Fair	Fair	10+	C2	1
H200	Hawthorn; dog rose	On	1.5	1	75	0.0	M	DH10/B Short section of hedge managed on all sides. Ditch to east. Intermittent gaps	Fair	Fair	10+	C2	1
H201	Hawthorn; dog rose	On	1.5	1	75	0.0	M	DH10/C Short section of hedge managed on all sides. Ditch to east	Fair	Fair	10+	C2	1
H202	Hawthorn	On	1.5	1	75	0.0	M	DH10/D Short section of hedge managed on all sides. Ditch to east	Fair	Fair	10+	C2	1
H203	Hawthorn	On	1.5	1	75	0.0	M	DH10/E Short section of hedge managed on all sides. Ditch to east. Intermittent gaps	Fair	Fair	10+	C2	1
H204	Hawthorn; elder; field maple; blackthorn	On	2.5	2	75	0.0	M	DH9/E	Good	Good	40+	B2	1
H205	Blackthorn; hawthorn; dog rose	Off	4	4	75	0.0	EM	Some variation in height. Growing on rail land. Dense bramble and sub 75mm vegetation in parts. Not on topo	Good	Good	20+	C2	1
H206	Hawthorn; elder; field maple	On	2.5	2	75	0.0	M	DH9/D	Good	Good	40+	B2	1
H207	Hawthorn; elder	On	2.5	2	75	0.0	M	DH9/C predominantly hawthorn	Good	Good	40+	B2	1
H208	Field maple	On	2.5	2	75	0.0	M	DH9/B orphan section with bramble & dog rose either side	Good	Good	40+	B2	1
H209	Hawthorn; field maple; dog rose	On	2.5	2	75	0.0	M	DH9/A predominantly thorn	Good	Good	40+	B2	1
H210	Blackthorn; hawthorn; dog rose	Off	4	4	75	0.0	EM	Some variation in height. Growing on rail land. Not on topo	Good	Good	20+	C2	1
H211	Hawthorn; blackthorn; elder	Off	2	2	40	0.0	SM	Offsite railway scrub/hedgerow. Unmanaged; several gaps in varying widths.	Good	Good	10+	C2	0.6

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H212	Hawthorn	Off	5	4	90	0.0	M	DH11/G dense bramble	Good	Good	10+	C2	1.1
H213	Blackthorn; hawthorn; dog rose; elder	Off	5	4	75	0.0	EM	DH8/A Dense bramble. Growing on rail land. Not on topo	Good	Good	20+	C2	1
H214	Blackthorn; hawthorn; dog rose	Off	5	4	75	0.0	EM	DH8/B Dense bramble. Growing on rail land. Not on topo	Good	Good	20+	C2	1
H215	Elder	Off	3	2	100	0.0	M	DH11/G dead and poor condition stems; dense ivy. Growing on rail land	Poor	Fair	<10	U	1.3
H216	Hawthorn; blackthorn; elder; ash	Off	2	2	40	0.0	SM	Offsite railway scrub/hedgerow. Unmanaged.	Good	Good	10	C2	0.6
H217	Blackthorn	Off	6	4	90	0.0	EM	DH11/I dense blackthorn group on rail land	Good	Good	20+	B2	1.1
H218	Hawthorn; blackthorn; elder; English oak	Off	2	2	40	0.0	SM	Offsite railway scrub/hedgerow. Unmanaged; several gaps in varying widths.	Good	Good	10+	C2	0.6
H219	Hawthorn; blackthorn; elder; ash; field maple	Off	3	3	40	0.0	SM	Offsite railway scrub/hedgerow. Unmanaged; several gaps in varying widths.	Good	Good	20+	C2	0.6
H220	Hawthorn; blackthorn; elder; ash	Off	3	2	40	0.0	SM	Offsite railway scrub/hedgerow. Unmanaged	Good	Good	20+	C2	0.6
H221	Hawthorn; elder	On	3	1	100	0.0	EM	Unmanaged boundary hedgerow	Good	Good	20+	C2	1.3
H222	Hawthorn; wild rose	On	5	3	80	2.0	M	Sides maintained; tops outgrown.	Good	Good	40+	C2	1
H223	Hawthorn	On	2	0.5	40	0.0	EM	Maintained boundary hedgerow.	Good	Good	40+	C2	0.6
H224	Hawthorn; wild rose	On	5	2.5	80	2.0	M	Sides maintained; tops outgrown.	Good	Good	40+	C2	1
H225	Hawthorn; blackthorn; field maple	On	2	0.5	40	0.0	EM	Maintained boundary hedgerow.	Good	Good	40+	C2	0.6
H226	Hawthorn; blackthorn	On	2	0.5	40	0.0	EM	Maintained boundary hedgerow.	Good	Good	40+	C2	0.6
H227	Hawthorn	On	2	0.5	40	0.0	EM	Maintained boundary hedgerow.	Good	Good	40+	C2	0.6
H228	Hawthorn	On	2	0.5	40	0.0	EM	Maintained boundary hedgerow.	Good	Good	40+	C2	0.6
H229	Hawthorn; blackthorn; field maple;	On	2	1	60	0.0	EM	Maintained boundary hedgerow.	Good	Good	40+	B2	0.8
H230	Blackthorn; hawthorn; elder	Off	6	2	75	0.0	EM	DH11/F Predominantly blackthorn	Good	Good	10+	C2	1
H231	Hawthorn; blackthorn; elder; field maple	On	2	1	60	0.0	EM	Maintained boundary hedgerow. Several gaps in hedge shown within topo. Ditch to the east.	Good	Good	40+	B2	0.8
H232	Blackthorn; hawthorn	Off	6	2	75	0.0	EM	DH11/E Predominantly blackthorn	Good	Good	10+	C2	1

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H233	Hawthorn; blackthorn; elder	Off	2	2	40	0.0	SM	Offsite railway scrub/hedgerow. Unmanaged; several gaps in varying widths.	Good	Good	10+	C2	0.6
H234	Hawthorn; blackthorn; elder	Off	2	2	40	0.0	SM	Offsite railway scrub/hedgerow. Unmanaged; several gaps in varying widths.	Good	Good	10+	C2	0.6
H235	Blackthorn; elder; common ash	Off	5	4	90	0.0	EM	DH11/D growing on rail embankment. Establishing trees within group	Good	Good	10+	C2	1.1
H236	Elder; hawthorn	Off	3	3	75	0.0	EM	DH11/C small group on rail embankment. Not on topo	Good	Good	10+	C2	1
H237	Hawthorn; blackthorn; dog rose	On	1.75	1	75	0.0	M	DH10/F Managed on all sides. Ditch to east. Intermittent gaps	Fair	Fair	10+	C2	1
H238	Field maple; English oak; ash; hazel; hawthorn; blackthorn; dogrose; elder	Off	12	5	400	0.0	EM	DH11/A Off-site neglected hedge on railway embankment; field side maintained by flail	Good	Fair	20+	B2	4.8
H239	Hawthorn; blackthorn; dog rose	On	1.5	1	75	0.0	M	DH10/G Managed on all sides. Ditch to east. Intermittent gaps	Fair	Fair	10+	C2	1
H240	Hawthorn; dog rose	On	1.5	1	75	0.0	M	DH10/H Managed on all sides. Ditch to east. Intermittent gaps	Fair	Fair	10+	C2	1
H241	Hawthorn; dog rose	On	1.5	1	75	0.0	M	DH10/I Managed on all sides. Ditch to east. Intermittent gaps	Fair	Fair	10+	C2	1
H242	Field maple	On	1.5	1	75	0.0	M	DH10/J Managed on all sides. Ditch to east.	Fair	Fair	10+	C2	1
H243	Field maple; English oak; ash; hawthorn; blackthorn; dogrose; elder	Off	12	5	350	0.0	EM	Off-site neglected hedge on railway embankment; field side maintained by flail	Good	Fair	20+	B2	4.2
H244	Hawthorn; Wych elm; elder; blackthorn	On	6	3	75	0.0	EM	DH12/G Growing in field boundary ditch. Some dead elm in group	Fair	Fair	10+	C2	1
H245	Blackthorn	Off	3.5	2	80	0.0	SM	On railway side; field sides maintained by flail	Good	Fair	20+	B2	1
H246	Hawthorn; crack willow; goat willow; Wych elm	On	6	3	75	0.0	EM	DH12/F Field boundary ditch to north	Fair	Fair	10+	C2	1
H247	Hawthorn; blackthorn; elder	On	4	3	75	0.0	M	DH12/E. Field boundary ditch to north	Good	Good	20+	B2	1
H248	Hawthorn; elder	On	4	2	75	0.0	EM	DH12/D Field boundary to north	Fair	Fair	10+	C2	1
H249	Field maple; ash; dogrose; elder	Off	8	4.5	250	0.0	EM	Off-site neglected hedge on railway embankment; field side maintained by flail	Good	Fair	20+	B2	3
H250	Hawthorn; field maple	On	6	3	100	0.0	EM	DH12/C Field boundary to north	Good	Fair	10+	C2	1.3
H251	Hawthorn; blackthorn; common ash; elder	On	6	3	100	0.0	EM	DH12/B field boundary ditch to north. Unmanaged hedgerow species	Fair	Fair	10+	C2	1.3

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H252	Hawthorn; elder; common ash	On	5	4	100	0.0	EM	DH12/A Field boundary ditch to north. Unmanaged hedge row species.	Fair	Fair	10+	C2	1.3
H253	Hawthorn; blackthorn; field maple; elm; dogrose	On	1.5	1.5	80	0.0	SM	DH29 Maintained by flail	Good	Fair	40+	B2	1
H254	Hawthorn; dog rose	On	1.75	1.5	75	0.0	EM	DH30/A predominantly hawthorn. Maintained on all sides	Good	Good	20+	B2	1
H255	Hawthorn; blackthorn; field maple; elm; dogrose	On	1.25	1.25	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H256	Hawthorn; blackthorn; ash; elm; dogrose; elder	On	1.5	1.25	90	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1.1
H257	Hawthorn; dog rose	On	1.75	1.5	75	0.0	EM	DH30/B predominantly hawthorn. Maintained on all sides	Good	Good	20+	B2	1
H258	Hawthorn; dog rose	On	1.75	1.5	75	0.0	EM	DH31 predominantly hawthorn. Maintained on all sides	Good	Good	20+	B2	1
H259	Hawthorn; dog rose	On	1.75	1.5	75	0.0	EM	DH30/C predominantly hawthorn. Maintained on all sides	Good	Good	20+	B2	1
H260	Hawthorn; blackthorn; elm; elder	On	1.5	1.5	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H261	Hawthorn; field maple; dog rose	On	1	0.5	75	0.0	M	DH30/C maintained on all sides at low height	Fair	Fair	10+	C2	1
H262	Hawthorn; field maple; dog rose; common ash	On	1.5	1	75	0.0	M	DH41 maintained on all sides. Ditch to south	Good	Good	10+	B2	1
H263	Hawthorn; field maple; dog rose; common ash	On	1	0.5	75	0.0	M	DH30/D maintained on all sides at low height. Minor gaps	Fair	Fair	10+	C2	1
H264	Hawthorn; blackthorn; ash; elm; dogrose	On	1.5	1.25	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H265	Hawthorn; field maple; ash; elm; dogrose	On	1.5	1.25	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H266	Hawthorn; field maple; dog rose; common ash	On	1	0.5	75	0.0	M	DH30/E maintained on all sides at low height. Minor gaps	Fair	Fair	10+	C2	1
H267	Hawthorn; field maple; dog rose; common ash	On	1.5	1	75	0.0	M	DH40/A maintained on all sides. Ditch to south	Good	Good	20+	B2	1
H268	Hawthorn; elm; dogrose	On	1.5	1.25	80	0.0	SM	Maintained by flail; hedge becomes disjointed to N with 2x gaps <6m	Good	Fair	20+	B2	1
H269	Hawthorn; field maple; dog rose; Wych elm; common ash	On	1.5	1	75	0.0	M	DH40/B maintained on all sides. Minor gaps	Fair	Fair	20+	B2	1

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

Ref	Species	On/off site	Av. height (m)	Av. width (m)	Av. stem diam (mm)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
H270	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	On	1.5	0.5	75	0.0	M	DH30/F maintained on all sides at low height. Minor gaps	Fair	Fair	20+	B2	1
H271	Hawthorn; field maple; dog rose; Wych elm; common ash	On	1.5	1	75	0.0	M	DH40/C maintained on all sides. Minor gaps. Ditch to south	Fair	Fair	20+	B2	1
H272	Hawthorn; elm; dogrose; elder	On	1.5	1.25	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H273	Hawthorn; field maple; dog rose; Wych elm; common ash	On	1.5	1	75	0.0	M	DH40/D maintained on all sides. Minor gaps. Ditch to south	Fair	Fair	20+	B2	1
H274	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	On	1.5	0.5	75	0.0	M	DH30/G maintained on all side. Minor gaps. Ditch to north	Fair	Fair	20+	B2	1
H275	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	On	1.5	0.5	75	0.0	M	DH40/E maintained on all side. Minor gaps. Ditch to south	Fair	Fair	20+	B2	1
H276	Hawthorn; elm; elder	On	1.5	1.25	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H277	Hawthorn; elm; elder	On	1.5	1.25	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H278	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	On	1.5	0.5	75	0.0	M	DH39/A maintained on all sides. Minor gaps. Ditch to south	Fair	Fair	20+	B2	1
H279	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	On	1.5	0.5	75	0.0	M	DH30/H maintained on all sides. Minor gaps. Ditch to north	Fair	Fair	20+	B2	1
H280	Blackthorn; hawthorn; field maple; Wych elm	Off	5	2.5	100	0.0	EM	DH34/B mature hedge with managed sides within domestic garden. Managed at varying heights	Good	Good	20+	B2	1.3
H281	Hawthorn; field maple; Wych elm; elder; dog rose; common ash	On	1.5	0.5	75	0.0	M	DH39/B maintained on all sides. Minor gaps. Ditch to south	Fair	Fair	20+	B2	1
H282	Leyland cypress	Off	7	5	300	0.0	M	DH34/A Tree line managed as hedge	Good	Fair	10+	C2	3.6
H283	Common ash; hawthorn	On	1.5	1	75	0.0	EM	DH35/A Ditch to east. Maintained on all sides	Good	Good	20+	B2	1
H284	Hawthorn; blackthorn; field maple; common ash	On	1.5	1	75	0.0	M	DH32 Maintained on all sides. Ditch to east	Good	Fair	20+	B2	1
H285	Hawthorn	On	1.5	1.25	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H286	Hawthorn; elm; dogrose; elder	On	1.25	1.25	80	0.0	SM	Maintained by flail; ditch to N	Good	Fair	40+	B2	1

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H287	Hawthorn; ash; elm	On	1.5	1.25	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H288	Hawthorn; blackthorn; dogrose	On	1.5	1.25	80	0.0	SM	Maintained by flail; 1x gap <1m to N	Good	Fair	40+	B2	1
H289	Hawthorn; blackthorn; ash; field maple; dogrose; elder	On	1.5	1.5	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H290	Hawthorn; blackthorn; field maple; elder	On	1.5	1.25	80	0.0	SM	Maintained by flail; ditch to S	Good	Fair	40+	B2	1
H291	Hawthorn; blackthorn; ash; field maple; elm; hazel; dogrose; elder	On	1.5	1.5	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H292	Hawthorn; blackthorn; elm; elder; dogrose	On	1.5	1.25	80	0.0	SM	Maintained by flail; sporadic gaps <1m	Good	Fair	40+	B2	1
H293	Hawthorn; blackthorn; field maple; elder	On	1.5	1.25	80	0.0	SM	Maintained by flail; ditch to N	Good	Fair	40+	B2	1
H294	Hawthorn; blackthorn; apple; dogrose	Off	6	4.5	180	0.0	EM	Off-site hedge on railway embankment; field / access track side maintained by flail; 1x apple to approx centre of plot	Good	Fair	40+	B2	2.2
H295	Hawthorn; blackthorn; dogrose	Off	6	4.5	180	0.0	EM	Off-site hedge on railway embankment; field / access track side maintained by flail	Good	Fair	40+	B2	2.2
H296	Hawthorn; blackthorn; field maple; ash; sycamore; elm; dogrose; elder	On	1.5	1.25	80	0.0	SM	Maintained by flail; ditch to N	Good	Fair	40+	B2	1
H297	Hawthorn; hazel; dogrose; elder	On	1.25	1.25	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H298	Goat willow; hawthorn; blackthorn; dogrose; elder	Off	6	5	250	0.0	EM	Off-site neglected hedge on railway embankment; field / access track side maintained by flail	Good	Fair	20+	B2	3
H299	Hawthorn; blackthorn; hazel; dogrose; elder	On	1.5	1.5	80	0.0	SM	Maintained by flail; ditch to E	Good	Fair	40+	B2	1
H300	English oak; hawthorn; blackthorn; dogrose	Off	6	5	250	0.0	EM	Off-site neglected hedge on railway embankment; field sides maintained by flail	Good	Fair	20+	B2	3
H301	Hawthorn; blackthorn; hazel; English oak; elder	On	1.25	1.25	80	0.0	SM	Maintained by flail; 1x young oak to W of feature	Good	Fair	40+	B2	1
H302	English oak; elm; hawthorn; blackthorn; dogrose; elder	Off	6	5	180	0.0	EM	Off-site neglected hedge on railway embankment; field sides maintained by flail	Good	Fair	20+	B2	2.2
H303	English oak; ash; hawthorn; blackthorn; dogrose; elder	Off	8	8	250	0.0	EM	Off-site hedge on railway embankment; field sides maintained by flail	Good	Fair	40+	B2	3

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H304	Hawthorn; blackthorn; ash; elm; dogrose; elder	On	1.5	1.25	90	0.0	EM	Maintained by flail	Good	Fair	40+	B2	1.1
H305	Field maple; ash; hawthorn; blackthorn; dogrose; elder	Off	13	9	400	0.0	EM	Off-site hedge on railway embankment; neglected & outgrown with established ash & maple; field / access track side maintained by flail	Good	Fair	40+	B2	4.8
H306	Hawthorn; blackthorn; dogwood; elm; dogrose	On	1	1	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H307	Blackthorn	Off	7	4	90	0.0	EM	Mostly off-site with a small spur to the S encroaching onto field boundary; neglected hedge on railway embankment; field / access track side maintained by flail	Good	Fair	20+	B2	1.1
H308	Hawthorn; wych elm; field maple; ash	On	8	3	110	0.0	M	Hedgerow species left to outgrow.	Good	Good	40+	C2	1.3
H309	Field maple; English oak; ash; hawthorn; blackthorn; dogrose; elder	Off	8	5	250	0.0	EM	Off-site neglected hedge on railway embankment; field side maintained by flail	Good	Fair	20+	B2	3
H310	Hawthorn; blackthorn; elder; field maple; hazel;	Off	2	1	60	0.0	EM	Boundary hedgerow. Ditch to the south.	Good	Good	40+	B2	0.8
H311	Field maple; English oak; ash; hawthorn; dogrose; elder	Off	8	5	250	0.0	EM	Off-site neglected hedge on railway embankment; field side maintained by flail	Good	Fair	20+	B2	3
H312	Hawthorn; blackthorn; elder; field maple; hazel;	On	2	1	60	0.0	EM	Maintained boundary hedgerow. Ditch to the north.	Good	Good	40+	B2	0.8
H313	Hawthorn; blackthorn; elder; field maple; hazel;	Off	2	1	60	0.0	EM	Boundary hedgerow. Ditch to the south.	Good	Good	40+	B2	0.8
H314	Hawthorn; blackthorn; elder; crab apple	On	2	1	50	0.0	M	Maintained boundary hedgerow. Ditch to the north. Several gaps shown within topo.	Good	Good	40+	B2	0.6
H315	Hawthorn; blackthorn; elder; crab apple	On	2	1	50	0.0	M	Maintained boundary hedgerow. Ditch to the north.	Good	Good	40+	B2	0.6
H316	Hawthorn; blackthorn; elder; field maple; hazel;	On	2	1	60	0.0	EM	Maintained boundary hedgerow. Ditch to the north.	Good	Good	40+	B2	0.8
H317	Hawthorn; blackthorn; elder; crab apple	On	2	1	50	0.0	M	Maintained boundary hedgerow. Ditch to the north.	Good	Good	40+	B2	0.6
H318	Hawthorn; blackthorn; elder; field maple; hazel	On	2	1	80	0.0	EM	Maintained continuous boundary hedgerow. Ditch to the south.	Good	Good	40+	B2	1
H319	Hawthorn; blackthorn; elder; field maple; hazel	On	2	1	80	0.0	EM	Maintained continuous boundary hedgerow. Ditch to the south.	Good	Good	40+	B2	1

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H320	Hawthorn; blackthorn; elder; field maple; hazel	On	2	1	80	0.0	EM	Maintained boundary hedgerow. Ditch to the east.	Good	Good	40+	B2	1
H321	Hawthorn; wych elm; field maple; ash	On	6	2	80	0.0	M	Sides maintained; tops outgrown.	Good	Good	40+	C2	1
H322	Hawthorn; blackthorn; elder; field maple; hazel	On	2	1	60	0.0	EM	Maintained boundary hedgerow. Ditch to the east.	Good	Good	40+	B2	0.8
H323	Hawthorn; blackthorn; elder; field maple; hazel; wych elm.	On	2	1	60	0.0	EM	Maintained boundary hedgerow. Ditch to the east.	Good	Good	40+	B2	0.8
H324	Hawthorn; blackthorn; elder; field maple; hazel;	Off	2	1	60	0.0	EM	Boundary hedgerow. Ditch to the south.	Good	Good	40+	B2	0.8
H325	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple; ash	On	2	1	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H326	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm	On	3	1	50	0.0	M	Evidence of hedge laying. Boundary hedgerow.	Good	Good	40+	C2	0.6
H327	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple; hazel	On	3	1	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H328	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple; hazel	On	2	1	50	0.0	M	Maintained by boundary hedgerow.	Good	Good	40+	B2	0.6
H329	Hawthorn; wild rose; blackberry; elder; blackthorn; wych elm	Off	2	1	50	0.0	M	Maintained hedgerow offsite. 1m left outgrown.	Good	Good	40+	B2	0.6
H330	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple	On	2.5	1	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H331	Hawthorn; wild rose; blackberry; elder; blackthorn; wych elm	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H332	Hawthorn; wild rose; blackberry; elder; blackthorn; wych elm	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H333	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	On	3	1	50	0.0	M	Predominantly hawthorn. Boundary hedgerow. A few gaps c. 2m wide but overall continuous.	Good	Good	40+	B2	0.6

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H334	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm; field maple	On	1.5	1	50	0.0	M	Boundary hedgerow. A few gaps c. 1m wide but overall continuous.	Good	Good	40+	B2	0.6
H335	Hawthorn; wild rose; blackberry; field maple; blackthorn	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H336	Hawthorn; elder; blackthorn	On	2.5	1.5	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H337	Hawthorn; wild rose; blackberry; field maple; blackthorn	On	2	1	50	0.0	M	Maintained boundary hedgerow. Ditch to the east.	Good	Good	40+	B2	0.6
H338	Hawthorn; wild rose; blackberry; field maple; blackthorn	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H339	Hawthorn; elder; blackthorn	On	2.5	1.5	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H340	Hawthorn; wild rose; blackberry; field maple; blackthorn	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H341	Hawthorn; elder; blackthorn	On	2.5	1.5	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H342	Hawthorn; wild rose; blackberry; field maple; blackthorn	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H343	Hawthorn; wild rose; blackberry; field maple; blackthorn	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H344	Hawthorn; field maple; apple; dogrose	Off	2.5	2	70	0.0	SM	On railway side; sporadic gaps becoming colonised by brambles & dogrose; field sides maintained by flail	Good	Fair	20+	C2	0.8
H345	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm; crab apple	On	3.5	2	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H346	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	On	1.5	1	50	0.0	M	Maintained boundary hedgerow. Ditch to the south.	Good	Good	40+	B2	0.6
H347	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	On	1.5	1	50	0.0	M	Boundary hedgerow. A few gaps c. 1m wide but overall continuous.	Good	Good	40+	B2	0.6

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H348	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm; dogwood	On	1.5	1	50	0.0	M	Boundary hedgerow. A few gaps c. 1m wide but overall continuous.	Good	Good	40+	B2	0.6
H349	Field maple	Off	4	2.5	90	0.0	SM	On railway side; multi stemmed maple; field sides maintained by flail	Good	Fair	20+	C2	1.1
H350	Hawthorn; English oak	Off	3	3	70	0.0	SM	On railway side; top & field sides maintained by flail	Good	Fair	20+	C2	0.8
H351	Blackthorn	Off	3	3	70	0.0	SM	On railway side; top & field sides maintained by flail	Good	Fair	40+	B2	0.8
H352	Blackthorn; hawthorn; wild rose; field maple; wych elm	On	2	1	50	0.0	M	Boundary hedgerow. Predominantly blackthorn.	Good	Good	40+	B2	0.6
H353	Elder; dogwood; hawthorn	On	2	1	50	0.0	M	Boundary hedgerow. Predominantly hawthorn.	Good	Good	40+	B2	0.6
H354	Hawthorn; English oak; dogrose; elder	Off	5	3.5	80	0.0	SM	On boundary with railway; neglected hedge with establishing young oak; field sides maintained by flail	Good	Fair	20+	B2	1
H355	Blackthorn; hawthorn; wild rose; field maple; wych elm	On	2	1	50	0.0	M	Boundary hedgerow. Predominantly blackthorn and ivy. Ditch to the east.	Good	Fair	40+	C2	0.6
H356	Elder; dogwood; hawthorn; blackthorn	On	2	1	50	0.0	M	Boundary hedgerow. Predominantly hawthorn.	Good	Good	40+	B2	0.6
H357	Elder; dogwood; hawthorn; blackthorn	On	2	1	50	0.0	M	Boundary hedgerow. Predominantly hawthorn.	Good	Good	40+	B2	0.6
H358	Hawthorn; blackthorn; dogrose	Off	5	3.5	80	0.0	EM	On boundary with railway; field sides maintained by flail	Good	Fair	40+	B2	1
H359	Hawthorn; blackthorn; elder	On	5	5	90	0.0	EM	Established thicket to field corner; field sides maintained by flail	Good	Fair	40+	B2	1.1
H360	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H361	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H362	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	On	2	1	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H363	Hawthorn	Off	4.5	6	180	0.0	EM	Off-site orphan section of hedge on railway embankment; field sides maintained by flail	Good	Fair	40+	B2	2.2
H364	Hawthorn	On	2.5	1.5	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1
H365	Hawthorn; blackthorn; field maple	On	2.5	1.5	80	0.0	SM	Maintained by flail	Good	Fair	40+	B2	1

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H367	Hawthorn; elder; blackthorn; wild rose; field maple; wych elm	On	2.5	1	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H368	Hawthorn; dogwood; elder; blackthorn; field maple	On	1.5	1	50	0.0	SM	Semi mature boundary hedgerow. Ditch to the north. Tree protection measures still present on stems.	Good	Good	40+	B2	0.6
H369	Hawthorn; dogwood; elder; blackthorn; wych elm	On	2	1	50	0.0	M	Boundary hedgerow. Ditch to the west.	Good	Good	40+	B2	0.6
H370	Hawthorn; dogwood; elder; blackthorn	On	1.5	1	50	0.0	M	Maintained boundary hedgerow. Ditch to the north.	Good	Good	40+	B2	0.6
H371	Hawthorn; blackthorn; field maple	On	6	3	80	0.0	M	Section of hedgerow at different height; includes overgrown ash and field maple.	Good	Good	40+	B2	1
H372	Hawthorn; blackthorn; wild rose p; wych elm;	On	2	1.5	50	0.0	M	Predominantly hawthorn. Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H373	Hawthorn; blackthorn; wild rose; wych elm; elder	On	1.5	1	50	0.0	M	Boundary hedgerow with larger trees in between. Ditch to the north.	Good	Good	40+	C2	0.6
H374	Hawthorn; dogwood; elder; blackthorn; field maple	On	1.5	1	50	0.0	M	Maintained boundary hedgerow. Ditch to the north.	Good	Good	40+	B2	0.6
H375	Hawthorn; blackthorn	On	5	2	70	0.0	M	Outgrown part of hedgerow. Ditch to the north. Ivy clad.	Good	Good	40+	B2	0.8
H376	Hawthorn; blackthorn; wild rose; wych elm;	On	2	1.5	50	0.0	M	Predominantly hawthorn. Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H377	Hawthorn; blackthorn; wild rose; wych elm; elder	On	2	1.5	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H378	Hawthorn; blackthorn	On	4	2	50	0.0	M	Section of hedgerow at different height	Good	Good	40+	B2	0.6
H379	Hawthorn; blackthorn; wild rose; wych elm; elder	On	4	1.5	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H380	Hawthorn; blackthorn; wild rose; wych elm; elder	On	2	1.5	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H381	Hawthorn; blackthorn; wild rose; wych elm; elder	On	2	1.5	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H382	Hawthorn; dogwood; blackberry; elder; blackthorn; wych elm; field maple; ash	On	2	1	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H383	Hawthorn; blackthorn; wild rose; wych elm; elder	On	4	1.5	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/off site	Av. height (m)	Av. width (m)	Av. stem diam (mm)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
H384	Hawthorn; blackthorn; wild rose; wych elm; elder	On	2	1.5	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H385	Hawthorn; blackthorn; wild rose; wych elm; elder; field maple; crack willow	On	2.5	1.5	50	0.0	M	Boundary hedgerow. Ditch to the north.	Good	Good	40+	B2	0.6
H386	Hawthorn; blackthorn; wild rose; wych elm; elder	On	3	1.5	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H387	Hawthorn; blackthorn; wild rose; wych elm; elder	On	3	1.5	50	0.0	M	Boundary hedgerow.	Good	Good	40+	B2	0.6
H388	Hawthorn; blackthorn; wild rose; wych elm; elder	On	4	1.5	50	0.0	M	Boundary hedgerow. Sides maintained	Good	Good	40+	B2	0.6
H389	Hawthorn; blackthorn; wild rose; wych elm; elder	On	2	1.5	50	0.0	M	Boundary hedgerow; deep ditch to the north.	Good	Good	40+	B2	0.6
H390	Hawthorn; blackthorn; wild rose; wych elm; elder	On	2	1.5	50	0.0	M	Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H391	Hawthorn; blackthorn; hazel; wych elm	On	1.5	1	90	0.0	EM	Boundary maintained hedgerow.	Good	Good	40+	C2	1.1
H392	Hawthorn; blackthorn; wych elm; field maple	On	1.5	1	40	0.0	EM	Boundary maintained hedgerow.	Good	Good	40+	C2	0.6
H393	Hawthorn; blackthorn	On	1.5	1	40	0.0	EM	Boundary maintained hedgerow.	Good	Good	40+	C2	0.6
H394	Blackthorn; hawthorn; elder	On	1.5	3	50	0.0	M	Maintained boundary hedgerow. Predominantly blackthorn.	Good	Good	40+	C2	0.6
H395	Elder	On	1.5	1	40	0.0	EM	Standalone maintained hedgerow tree.	Good	Good	40+	C2	0.6
H396	Hawthorn; blackthorn;	On	2	2	40	0.0	EM	Boundary maintained hedgerow; ditch to the north.	Good	Good	40+	B2	0.6
H397	Hawthorn; blackthorn; blackberry; ash; dogwood; field maple	On	1.5	1	60	0.0	EM	Boundary maintained hedgerow.	Good	Good	40+	C2	0.8
H398	Hawthorn; blackthorn; English elm; field maple	On	1.5	1	60	0.0	EM	Boundary maintained hedgerow.	Good	Good	40+	C2	0.8
H399	Hawthorn; blackthorn; field maple; elder	On	2	1	80	0.0	EM	Boundary maintained hedgerow.	Good	Good	40+	B2	1
H400	Blackthorn; hawthorn; field maple	On	5	1.5	80	0.0	M	Sides maintained up to 3m; tops left outgrown.	Good	Good	40+	C2	1
H401	Hawthorn; blackthorn; elder; dogwood	On	1.5	1	60	0.0	M	Boundary maintained hedgerow. Ditch to the west.	Good	Good	40+	B2	0.8

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PROJECT NO: 5343

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SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett Arboricultural Consultants

Ref	Species	On/off site	Av. height (m)	Av. width (m)	Av. stem diam (mm)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
H402	Hawthorn; blackthorn; dogwood; field maple	On	2.5	1	50	0.0	EM	Boundary maintained hedgerow; ditch to the southeast.	Good	Good	40+	B2	0.6
H403	Hawthorn; blackthorn; elder	On	1.5	1	50	0.0	EM	Boundary maintained hedgerow.	Good	Good	40+	B2	0.6
H404	Blackthorn; field maple	On	5	2	80	0.0	M	Sides maintained up to 3m; tops left outgrown.	Good	Good	40+	C2	1
H405	Hawthorn; blackthorn; dogwood	On	2	1	50	0.0	EM	Boundary maintained hedgerow. Ditch to the west.	Good	Good	40+	B2	0.6
H406	Hawthorn; blackthorn;	On	1.5	1	40	0.0	EM	Boundary maintained hedgerow with one small outgrown hawthorn c. 4m high.	Good	Good	40+	B2	0.6
H407	Hawthorn; blackthorn; dogwood; wild rose; field maple	On	2	1	80	0.0	EM	Boundary maintained hedgerow. Sections of hedge-laying.	Good	Good	40+	B2	1
H408	Hawthorn; blackthorn; elder;	On	2	1	40	0.0	EM	Boundary maintained hedgerow with one section of bramble 2m wide. Ditch to the south.	Good	Good	40+	B2	0.6
H409	Blackthorn; hawthorn; field maple	On	5	2	80	0.0	M	Sides maintained up to 3m; tops left outgrown.	Good	Good	40+	C2	1
H410	Blackthorn; hawthorn	On	5	2	80	0.0	M	Sides maintained up to 3m; tops left outgrown.	Good	Good	40+	C2	1
H411	Hawthorn; blackthorn; wild rose; hazel; crab apple	On	2	1	60	0.0	EM	Dense and continuous maintained hedgerow. Evidence of hedge-laying.	Fair	Good	40+	B2	0.8
H412	Hawthorn; blackthorn; field maple	On	2	1	100	0.0	M	Boundary maintained hedgerow. Ditch to the east.	Good	Good	40+	C2	1.3
H413	Hawthorn; blackthorn; field maple	On	2	1	60	0.0	EM	Dense and continuous maintained hedgerow. Evidence of hedge-laying.	Fair	Good	40+	C2	0.8
H414	Blackthorn; hawthorn	On	5	2	80	0.0	M	Sides maintained up to 3m; tops left outgrown.	Good	Good	40+	C2	1
H415	Blackthorn; hawthorn; field maple; rhododendron	On	5	2	80	0.0	M	Sides maintained up to 3m; tops left outgrown.	Good	Good	40+	C2	1
H416	Hawthorn; blackthorn; field maple	On	2	1	40	0.5	M	Boundary maintained hedgerow. Ditch to the east. Includes bramble section c. 3m wide.	Good	Good	40+	B2	0.6
H417	Blackthorn; elder; hawthorn	On	5	1.5	60	0.0	M	Predominantly blackthorn and hawthorn. Sides maintained; top outgrown. Ditch to the north.	Good	Good	40+	B2	0.8
H418	Hawthorn	On	2	1	60	0.5	M	Boundary maintained hedgerow. Ditch to the north.	Good	Good	40+	C2	0.8
H419	Hawthorn; blackthorn; field maple	On	2	1	40	0.5	M	Boundary maintained hedgerow.	Good	Good	40+	B2	0.6
H420	Hawthorn; blackthorn; field maple	On	2	1	60	0.5	M	Boundary maintained hedgerow. Ditch to the west.	Good	Good	40+	C2	0.8

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Barton Hyett
Arboricultural Consultants

Ref	Species	On/off site	Av. height (m)	Av. width (m)	Av. stem diam (mm)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
H421	Hawthorn; blackthorn; field maple	On	2	1	40	0.5	M	Boundary maintained hedgerow. Ditch to the north.	Good	Good	40+	B2	0.6
H422	Hawthorn; blackthorn; elder	On	2	1	60	0.5	M	Boundary maintained hedgerow. Ditch to the north.	Good	Good	40+	C2	0.8
H423	Hawthorn; blackthorn; wych elm; bush cherry; blackberry	On	2	1	50	0.0	EM	Predominantly hawthorn & blackthorn. Dense and continuous maintained hedgerow. Sections of elm are less dense.	Good	Good	40+	B2	0.6
H424	Hawthorn; blackthorn; turkey oak; field maple; plum; dogwood; elder; ash	On	2	1.5	40	0.0	EM	BH8 A. Predominantly hawthorn & blackthorn. Dense and continuous maintained hedgerow; except for sections of low vitality turkey oak and field maple.	Fair	Good	40+	B2	0.6
H425	Hawthorn; blackthorn; field maple;	On	2	1.5	40	0.0	EM	BH8 B. Predominantly hawthorn & blackthorn. Dense and continuous maintained hedgerow; except for sections of low vitality turkey oak and field maple. Ditch to the south and west	Fair	Good	40+	B2	0.6
H426	Hawthorn; blackthorn	On	2	1.5	40	0.0	EM	Low quality hedgerow.	Fair	Good	10+	C2	0.6
H427	Hawthorn; blackthorn; field maple; dogwood	On	2	1.5	60	0.0	EM	Predominantly blackthorn. Dense and continuous maintained hedgerow. Deep ditch to the west. One access point 2m wide. Rear of hedgerow outgrown in parts. Evidence of hedge-laying.	Fair	Good	40+	B2	0.8
H428	Hawthorn; blackthorn; bush cherry; honeysuckle; wych elm; ash; Turkey oak; field maple	On	2	1.5	40	0.0	EM	Predominantly hawthorn & blackthorn. Dense and continuous maintained hedgerow; except for sections of low vitality wych elm; Turkey oak and ash.	Fair	Good	40+	B2	0.6
H429	Hawthorn; blackthorn; wych elm; field maple; elder; dogwood; honeysuckle	On	1.5	1	40	0.0	EM	Predominantly blackthorn overcome with ivy. Dense and continuous maintained hedgerow. Ditch to the west. 3x sections of 3m wych elm in poor condition.	Good	Good	40+	B2	0.6
H430	Hawthorn; blackthorn; wych elm; field maple	On	2	1	50	0.0	EM	Continuous maintained hedgerow; gaps between field maple and wych elm. Ditch to the east and north.	Fair	Good	40+	B2	0.6
H431	Hawthorn; blackthorn; wych elm; field maple	On	1	1	40	0.0	EM	Predominantly hawthorn & blackthorn. Dense and continuous maintained hedgerow; sections of field maple less dense.	Good	Good	40+	B2	0.6
H432	Blackthorn; hawthorn	On	1.25	0.75	50	0.2	SM	Limited access at the time of the survey but hedgerow looks to be less dense than others nearby	Fair	Fair	20+	C2	0.6
H433	Blackthorn; hawthorn	On	1.25	0.75	50	0.2	SM	Limited access at the time of the survey but hedgerow looks to be less dense than others nearby	Fair	Fair	20+	C2	0.6
H434	Hawthorn	On	1.7	0.75	50	0.2	SM	Maintained garden hedgerow	Good	Fair	40+	B2	0.6
H435	Hawthorn	On	1.7	0.75	50	0.2	SM	Maintained garden hedgerow	Good	Fair	40+	B2	0.6
H436	Hawthorn	On	1.7	0.75	50	0.2	SM	Maintained garden hedgerow	Good	Fair	40+	B2	0.6
H437	Hawthorn; blackthorn	On	2	1.5	50	0.0	M	Predominantly hawthorn. Maintained boundary hedgerow.	Good	Good	40+	B2	0.6

TREE SURVEY SCHEDULE

PROJECT NO: 5343

SITE NAME: STEEPLE RENEWABLES PROJECT

SURVEYOR: DH, IH, SD, JR

CLIENT: STEEPLE SOLAR FARM LIMITED

SURVEY DATE: 22ND TO 30TH APRIL 2024

Ref	Species	On/off site	Av. height (m)	Av. width (m)	Av. stem diam (mm)	Av. low crown height (m)	Life stage	General observations	Health & vitality	Structural condition	Estimated remaining contribution (Years)	BS 5837 Category	RPA radius (m)
H438	Hawthorn	On	1.7	0.75	50	0.2	SM	Maintained garden hedgerow	Good	Fair	40+	B2	0.6
H439	Hawthorn	On	1.7	0.75	50	0.2	SM	Maintained garden hedgerow	Good	Fair	40+	B2	0.6
H440	Hawthorn	On	1.7	0.75	50	0.2	SM	Maintained garden hedgerow	Good	Fair	40+	B2	0.6
H441	Hawthorn; blackthorn; wild rose; wych elm;	On	2	1.5	50	0.0	M	Predominantly hawthorn. Maintained boundary hedgerow.	Good	Good	40+	B2	0.6
H442	Common ash; hawthorn	On	1.5	1	75	0.0	EM	Maintained on all sides. Predominately hawthorn	Good	Good	20+	B2	1

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- The tree survey was carried out with reference to the methodology set out in BS 5837:2012 'Trees in relation to design, demolition and construction – Recommendations'.
- Trees were surveyed individually or as groups where it was considered that they had grown together to form cohesive arboricultural features either aerodynamically (trees that provide companion shelter), visually (e.g. avenues or screens) or culturally (including for biodiversity). However, where it was considered that there was an arboricultural need to differentiate between attributes trees within groups and/or woodlands were also surveyed as individuals.
- Within the tree survey schedule, each surveyed TREE (T), GROUP (G), HEDGEROW (H), WOODLAND (W) or SHRUB MASS on or adjacent to the site is given a reference number which refers to its position on the tree survey and constraints plan.
- TREE SPECIES are listed by common name.
- OOS: The recorded Out Of Scope trees and features refer to either a dead-standing or failed tree; a stump or minor shrubs; where trees are inaccessible or located off-site and unlikely to be affected by the development or, it is found that the trees are undersized according to BS 5837:2012, which stipulates a minimum recordable diameter of 75mm.

The **DIMENSIONS** taken are:

- STEM-No. indicates the number of main stems (i.e. whether the trunk divides at or below 1.5m; (used in the calculation of root protection area (RPA)) "m-s" = Multi-stemmed.
- STEM DIAMETER (measured in millimetres), obtained from the girth measured at approx. 1.5m. For trees with 2 to 5 sub-stems, a notional figure is derived from the sum of their cross-sectional areas. For multi-stemmed trees, the notional diameter may be estimated on the basis of the average stem size x the number of stems. Note: a notional diameter may be estimated where measurement is not possible.
- HEIGHT (measured in metres), recorded to the nearest half metre for dimensions up to 10m and to the nearest whole metre for dimensions over 10m.
- The CROWN SPREAD, taken at the four cardinal points to derive an accurate representation of the tree crown, recorded up to the nearest half metre for dimensions up to 10m and to up the nearest whole metre for dimensions over 10m.
- CROWN CLEARANCES, expressed both as the existing height above ground level of the first significant branch along with its direction of growth (e.g., 2.5m-N) and also in terms of the overall crown e.g., the average height of the crown above ground level. Measurements are recorded to the nearest half metre for dimensions up to 10m and to the nearest whole metre for dimensions over 10m.
- ESTIMATES: where any measurement has had to be estimated, e.g., due to inaccessibility, this is indicated by a "#" suffix to the measurement as shown in the Tree Survey Schedule.

LIFE STAGE is defined as follows:

Y Young: Normally stake dependent, establishing trees. Should be growing fast, usually primarily increasing in height more than spread but as yet making a limited impact upon the landscape.

SM Semi-mature: Established young trees, normally of good vigour and still increasing in height but beginning to spread laterally. Beginning to make an impact on the local landscape and environment. Semi-mature are still capable of being transplanted without preparation, up to 300mm girth and not yet sexually mature.

EM Early-mature: Not yet having reached 75% of expected mature size. Established young trees, normally of good vigour and still increasing in height but beginning to spread laterally. Beginning to make an impact on the local landscape and environment.

M Mature: Well-established trees, still growing with some vigour but tending to fill out and increase spread. Bark may be beginning to crack and fissure. In the middle half of their safe, useful life expectancies.

LM Late-mature: In full maturity but possibly beyond mature and in a state of natural decline. Still retaining some vigour but any growth is slowing.

A Ancient: A tree that has passed beyond maturity and is old/aged compared with other trees of the same species. Typically having a very wide trunk and a small canopy.

PHYSIOLOGICAL CONDITION (HEALTH & VITALITY):

Essentially a snapshot of the general health of the tree based upon its general appearance, its apparent vigour and the presence or absence of symptoms associated with poor health, physiological stress etc. (fungal infections may be recorded here but decay giving rise to structural weakness would be recorded under 'Structural Condition' – see next parameter):

Good: No significant health issues.
Fair: Indications of slight stress or minor disease (e.g., the presence of minor dieback/deadwood or epicormic shoot growth).
Poor: Significant stress or disease noted; larger areas of dieback than above.
Dead: (or Moribund).

STRUCTURAL CONDITION:

Features affecting the structural stability of the tree include decay, significant deadwood, root-plate instability or significant damage to structural roots, weak forks (e.g. those where bark is included between the members) etc. Classified as:

Good: No obvious structural defects: basically sound.
Fair: Minor, potential or incipient defects.
Poor: Significant feature(s) likely to lead to actual failure in the medium- to long-term.
Dead: (or Moribund).

ESTIMATED REMAINING CONTRIBUTION:

An estimate of the length of time in years that a tree might be expected to continue to make a useful contribution to the locality at an acceptable level of risk (based on an assumption of continued routine maintenance):

- Less than 10 years
- 10+ years
- 20+ years
- 40+ years

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SPECIAL IMPORTANCE:

Trees that are particularly notable as high-value trees such as ancient trees/woodland or veteran trees. Such trees may be regarded as the principal arboricultural features of a site and pose a significant constraint to potential development.

An ***ancient*** tree is one that has passed beyond maturity and is very old compared with other trees of the same species. Very few trees reach the ancient life stage. ***Veteran*** trees are often very old but not necessarily so; they may be regarded as 'survivors' that have developed some of the characteristic features of an ancient tree but have not necessarily lived as long. All ancient trees are veterans but not all veteran trees are ancient.

The term '*notable*' carries no weight within the National Planning Policy Framework (NPPF), but is a term that recognises a mature tree which may stand out in the local environment because it is large in comparison with other trees around it.

Ancient woodland is an area that has been wooded continuously since at least 1600 AD. It includes ancient semi-natural woodland (ASNW), plantations on ancient woodland sites (PAWS) and ancient replanted woodland (ARW).

QUALITY CATEGORY:

Trees are classed as category U, A, B or C, based on criteria given in BS 5837:2012; summary definitions as follows (see BS 5837 for further details). Categories A, B and C are further characterised by the use of sub-categories, which attempt to identify what aspect of the tree is the main source of its perceived value, These are:

(1) arboricultural qualities
(2) landscape qualities, and
(3) cultural, historic or ecological/conservation qualities.

Examples of these qualities for each of the three categories are given below, although these are indicative only.

Note: This is NOT a health and safety classification; the classification does not take into account any requirement for remedial tree care or ongoing maintenance apart from that which may affect the trees' general suitability for retention.

CATEGORY A: HIGH QUALITY:

Trees or groups whose retention should be given a particularly high priority within the design process. Normally with an expected useful life expectancy of at least 40 years.

A1: Notably fine specimens; rare or unusual specimens; essential component trees within groups, semi-formal or formal plantings (e.g., dominant trees within an avenue etc.).
A2: Trees, groups or woodlands of particular visual importance as landscape features.
A3: Trees, groups or woodlands of particular significance by virtue of their conservation, historical, commemorative or other value (e.g., veteran trees or wood pasture).

CATEGORY B: MODERATE QUALITY

Trees or groups of some importance with a likely useful life expectancy in excess of 20 years. Their retention would be desirable; selective removal of certain individuals may be acceptable but only after full consideration of all alternative courses of action.

B1: Fair quality but not exceptional; good specimens showing some impairment (e.g., remediable defects, minor storm damage or poor past management).
B2: Acceptable trees situated such as to have little visual impact within the wider locality. Also the number of trees, perhaps in groups or woodlands, whose value as landscape features is greater collectively than would warrant as individuals (such that the selective removal of an individual would not impact greatly upon the trees' overall, collective value).
B3: Trees, groups or woodlands with clearly identifiable conservation or other cultural benefits.

CATEGORY C: LOW QUALITY:

Trees or groups of rather low quality, although potentially capable of retention for at least approx. 10 years. Also small trees with stems below 150mm diameter.

Potentially retainable, but not of sufficient value to be regarded as a significant planning constraint.

C1: Unremarkable trees of very limited merit or significantly impaired condition.
C2: Trees offering only low- or short-term landscape benefits; also secondary specimens within groups or woodlands whose loss would not significantly diminish their landscape value.
C3: Trees with extremely limited conservation or other cultural benefits.

CATEGORY U: VERY LOW QUALITY

Trees likely to prove to be unsuitable for retention for longer than 10 years should any significant increase in site usage arise as a result of development. E.g., dead or moribund trees; those at risk of collapse or in terminal decline; trees that will be left unstable by other essential works such as the removal of nearby category U trees; trees infected by pathogens that could materially affect other trees; low-quality trees that are suppressing better specimens. (Category U trees may have conservation values that it might be desirable to preserve. This category may also include trees that should be removed irrespective of any development proposals.)

ROOT PROTECTION AREA (RPA):

These are normally represented as a circle centred on the base of each tree stem with a radius of 12 times the stem diameter, measured at 1.5m above ground level. The shape of the RPA may be altered where site conditions dictate that there are sound reasons to do so.

VETERAN OR ANCIENT TREE BUFFER (VTB/ATB)

In line with the Standing Advice produced by the Forestry Commission and Natural England, this is a buffer zone (in metres) around an ancient or veteran tree that should be at least 15 times larger than the diameter of the tree. The buffer zone should be 5m from the edge of the tree's canopy if that area is larger than 15 times the tree's stem diameter.

ANCIENT WOODLAND BUFFER (FOR ASNW, PAWS OR ARW)

In line with the Standing Advice produced by the Forestry Commission and Natural England, this is a buffer zone of at least 15 metres to avoid root damage. Where assessment shows other impacts are likely to extend beyond this distance, a larger buffer zone may be required.

THE IMPORTANCE OF TREES

Wider benefits:

There is a growing body of evidence that trees bring a wide range of benefits to the places people live.

Some *Economic* benefits of trees include:

- Trees can increase property values
- As trees grow larger, the lift they give to property values grows proportionately
- They can improve the environmental performance of buildings by reducing heating and cooling costs, thereby cutting bills
- Mature landscapes with trees can be worth more as development sites
- Trees create a positive perception of a place for potential property buyers
- Urban trees improve the health of local populations, reducing healthcare costs

Some *Social* benefits of trees include:

- Trees help create a sense of place and local identity
- They benefit communities by increasing pride in the local area
- They can create focal points and landmarks
- They have a positive impact on people's physical and mental health
- They can have a positive impact on crime reduction

Some *Environmental* benefits of trees include:

- Urban trees reduce the 'urban heat island effect' of localised temperature extremes
- They provide shade, making streets and buildings cooler in summer
- They help remove dust and particulates from the air
- They help to reduce traffic noise by absorbing and deflecting sound
- They help to reduce wind speeds
- By providing food and shelter for wildlife they help increase biodiversity
- They can reduce the effects of flash flooding by slowing the rate at which rainfall reaches the ground
- They can help remediate contaminated soil

On new development sites:

Trees bring many benefits to new development. Where retained successfully they can form important and sustainable elements of green infrastructure, contribute to urban cooling and reduce energy demands in buildings. Their importance is acknowledged in relation to adaptation to the effects of climate change. Other benefits brought by trees include:

- increasing property values;
- visual amenity
- softening, complementing and adding maturity to built form
- displaying seasonal change
- increasing wildlife opportunities in built-up areas
- contributing to screening and shade
- reducing wind speed and turbulence

NATIONAL PLANNING POLICY

The National Planning Policy Framework February 2025 (NPPF) paragraph 193 states that, when determining planning applications, local planning authorities should apply the following principle:

c) 'development resulting in the loss or deterioration of irreplaceable habitats (such as ancient woodland and ancient or veteran trees) should be refused unless there are wholly exceptional reasons and a suitable compensation strategy exists.'

In this respect, the following definitions apply:

'Ancient woodland: An area that has been wooded continuously since at least 1600 AD. It includes ancient semi-natural woodland and plantations on ancient woodland sites (PAWS)', and

'Ancient or veteran tree: A tree which, because of its age, size and condition, is of exceptional biodiversity, cultural or heritage value. All ancient trees are veteran trees. Not all veteran trees are old enough to be ancient, but are old relative to other trees of the same species. Very few trees of any species reach the ancient life stage.'

Note: Further information from the National Planning Policy Guidance Suite and Standing Advice is provided in the design guidance section.

Other paragraphs of the NPPF 2025 of relevance to this report are:

Paragraph 136: *'Trees make an important contribution to the character and quality of urban environments, and can also help mitigate and adapt to climate change. Planning policies and decisions should ensure that new streets are tree-lined, that opportunities are taken to incorporate trees elsewhere in developments (such as parks and*

community orchards), that appropriate measures are in place to secure the long-term maintenance of newly-planted trees, and that existing trees are retained wherever possible. Applicants and local planning authorities should work with highways officers and tree officers to ensure that the right trees are planted in the right places, and solutions are found that are compatible with highways standards and the needs of different users.'

Paragraph 187: *'Planning policies and decisions should contribute to and enhance the natural and local environment by:*
b) recognising the intrinsic character and beauty of the countryside, and the wider benefits from natural capital and ecosystem services – including the economic and other benefits of the best and most versatile agricultural land, and of trees and woodland.'

STATUTORY CONTROLS

Statutory tree protection

Works to trees which are covered by Tree Preservation Orders (TPOs) or are within a Conservation Area (CA) require permission or consent from the Local Planning Authority. Where information is available on any Statutory designations such as this they are identified within the summary table in Section 1 and on the Tree Survey and Constraints Plan at Section 2.

Notwithstanding specific exceptions and in general terms, a TPO prevents the cutting down, uprooting, topping, lopping, wilful damage or wilful destruction of protected trees or woodlands without the prior written consent of the LPA.

Penalties for contravention of a TPO tend to reflect the extent of damage caused but can, in the event of a tree being destroyed, result in a fine of up to £20,000 if convicted in a Magistrates' Court, or an unlimited fine is the matter is determined by the Crown Court.

Similarly, and again notwithstanding specific exceptions, it is an offence to carry out any works to a tree in a Conservation Area with a trunk diameter greater than 75mm diameter at 1.5 height without having first provided the LPA with 6 weeks written notification of intent to carry out the works.

On many non-residential sites (excluding specific exemptions) there is also a statutory restriction relating to tree felling that relates to quantities of timber that can be removed within set time periods. In basic terms, it is an offence to remove more than 5 cubic metres of timber in any one calendar quarter without having first obtained a felling licence from the Forestry Commission.

Any proposed tree works that are planned to be carried out on site must be carried out in accordance with the statutory controls outlined. Therefore, we recommend that a further check is made with the LPA before any tree works are carried out.

Statutory Wildlife Protection

Although preliminary visual checks from ground level of likely wildlife habitats are made at the time of surveying, detailed ecological assessments of wildlife habitats are not made by the arboriculturist and fall outside of the scope for this report.

Trees which contain holes, splits, cracks and cavities could potentially provide a habitat for protected species such as bats in addition to birds and small mammals. It is advised that in some instances specialist ecological advice may be required. This may result in tree works being carried out following a detailed climbing inspection to the tree to ensure that protected species or their nests/roosts are not disturbed. If any are found, the site manager, site owner or consulting arboriculturist should be informed and appropriate action taken as recommended by the appointed Ecologist or the relevant Statutory Nature Conservation Organisation (SNCO): Natural England, Scottish Natural Heritage or Natural Resources Wales.

It is advised that tree/hedgerow works are carried out with the understanding that birds will generally nest in trees, hedges and shrubs between March and August. This time period only provides an indication of likely nesting times and as such diligence is required when undertaking tree works at all times.

Irrespective of the time of year and other than any actions approved under General Licence, it is an offence to intentionally kill, injure or take any wild bird or to intentionally take, damage or destroy the nest or eggs of any wild bird. Ideally, tree operations should be avoided during the likely bird nesting period. However, any tree works should always only be carried out following a preliminary visual check of the vegetation.

For information, the Wildlife and Countryside Act 1981 (as amended), The Countryside and Rights of Way Act 2000 (as amended) and the Conservation of Habitat and Species Regulations 2010, form the basis of the statutory legislation for flora and fauna in England and Wales. A different legislative framework applies in Scotland and Northern Ireland.
Any proposed tree works that are planned to be carried out on site must be carried out in accordance with any relevant statutory controls, outlined above.

DESIGN GUIDANCE

Approach

The approach adopts the guidelines set out in the British Standard BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations. The process is broken down to coordinate with the key elements within both the RIBA Plan of Work (2013) and British Standard 5837:2012 as set out in the table below:

Information Stage	RIBA Stage	BS5837:2012
Stage A – Tree Survey	2: Concept	4: Feasibility
Stage B – Arboricultural Impact Assessment	3: Developed design	5: Proposals
Stage C – Arboricultural Method Statement	4: Technical design	6: Technical Design
Stage D – Arboricultural Site Supervision	5: Construction	7: Demolition and construction

A hierarchical approach is adopted in order to achieve optimum use of the site and location of built structures. This is set out below:

Avoid

The starting point of Site layout design should be to avoid the RPA of retained trees and provide suitable clearance from above ground constraints [tree canopies]. Where possible building lines should be at least 2m outside the RPA to provide working space for construction. However, protection measures can be taken if such clearance is not achievable.

Mitigate

Where intrusion within the RPA is unavoidable then its impact on the tree can be mitigated by specialist measures:

Foundations that avoid trenching e.g. screw piles, suspended floor slabs or casting at ground level for lightweight structures such as bin and cycle stores.

Limited use may be made for parking, drives or hard surfaces within the root protection areas, subject to advice from a qualified arboriculturist. Cellular confinement systems that enable hard surfaces to be built above existing soil levels are acceptable methods subject to site-specific soil conditions.

Service runs that cannot be routed outside the RPA(s) can be installed by, for example, thrust boring, directional drilling, air excavation or hand digging. These operations often require supervision by the project arboriculturist.

Compensate

Replacement planting can ensure the continuity of tree cover where tree removal is unavoidable or desirable. Off-site provision may be considered in some circumstances but this will require negotiation with the local planning authority.

Considerations:

For proposed residential developments, consideration must be given to numerous factors future tree growth and orientation.

Tree constraints

Root Protection Areas:

With reference to BS5837:2012, a root protection area (RPA) is defined as "a layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure should be treated as a priority". "**The default position [when considering design layout in relation to RPAs] should be that structures are located outside the RPAs of trees to be retained**".

BS5837:2012 states (4.6.2) that, "where pre-existing site conditions or other factors indicate that rooting has occurred asymmetrically, a polygon of equivalent area should be produced." The BS goes on to state that, "modifications to the shape of the RPA should reflect a soundly based arboricultural assessment of likely root distribution," and that any deviation from the original circular plot should take into account:

- Morphology and disposition of roots;
- topography and drainage;
- soil type and structure;
- the likely tolerance of the tree to root damage/disturbance.

Additional buffer zones beyond the RPA:

The following text is taken from the Standing Advice produced by the Forestry Commission and Natural England as included in the National Planning Policy Guidance:

'A buffer zone's purpose is to protect ancient woodland and individual ancient or veteran trees. The size and type of buffer zone should vary depending on the scale, type and impact of the development'.

Ancient woodland buffer:

'For ancient woodlands, you should have a buffer zone of at least 15 metres to avoid root damage. Where assessment shows other impacts are likely to extend beyond this distance, you're likely to need a larger buffer zone. For example, the effect of air pollution from development that results in a significant increase in traffic'.

Ancient and veteran tree buffer:

'A buffer zone around an ancient or veteran tree should be at least 15 times larger than the diameter of the tree. The buffer zone should be 5m from the edge of the tree's canopy if that area is larger than 15 times the tree's diameter'.

Above ground:

Above ground constraints posed by trees describe the capacity for trees to have an overbearing or dominating effect on new developments; usually post occupancy. Typical above ground constraints include a number or combination of inconveniences including shading, branch spread, movement of trees during strong winds and so on. If not adequately considered, above ground constraints can lead to repeated requests to fell or heavily prune retained and protected trees.

Shade:

Adverse shading and blocked views from windows raise concerns for incoming residents, which may lead to pressure to fell or remove trees in the future. Wherever possible it is advisable to arrange fenestration away from tree canopies to lessen the conflict, or increase window size to accommodate ambient light.

Conversely, appropriate designed development can use existing or new trees to create necessary and welcome shade and screening.

As part of the adopted approach the above considerations and constraints are assessed cumulatively in order to provide clear and site-specific advice on the areas of a site most suitable for the location of development.

Dependent on the site and nature of the proposed development, the Tree Survey and Constraints Plans may show the following:

Recommended Developable area - an advisory area defined in order to minimise arboricultural impacts using standard approaches to construction. Restricting proposed development to this area will limit the risk of harm to retained trees and of the Local Planning Authority objecting to the proposed development. It may be possible to propose development outside of this area but specific 'low impact' construction techniques may be needed recommended.

Recommended Buffer to development - similar to the Recommend Developable Area but defined as a line marking a suitable buffer to retained trees. More commonly used on large sites or sites where the presence of trees is localised.

Tree Opportunities

Depending on the scale of developments existing trees can often provide opportunities to enhance the existing arboricultural resource of a site by bringing it into good management or by putting in place remedial measures e.g. soil amelioration.

Appropriately designed new tree planting is extremely important in maintaining healthy and sustainable tree populations. For the reasons highlighted, new trees can bring many benefits to new developments. It is critical to the establishment of new tree planting that the locations, species and specification of new trees is appropriate. Subsequently the sourcing of high-quality stock, suitable planting and the provision of post planting maintenance are essential to allow new trees to establish and to allow them to mature.

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Arboricultural Consultants

HOW TREE DAMAGE CAN OCCUR

Above the ground

Damage can occur as a result of knocks and scuffs, breakages of branches and/or tree trunks. This is often but not always associated with machine operations, groundworks excavations, tele handlers, high sided vehicles and crane use. Other forms of above ground damage include fixings to trunk and unauthorised cutting back of branches. Wounds will harm a tree's health and shorten its life by letting in disease-causing organisms.

Below the ground

It is often not appreciated that the majority of most tree roots are generally located within the top 600mm of the ground. On this basis it needs to be understood that damage to roots can occur in three ways:

- Root severance can occur as a result of, for example, soil stripping during site clearance or excavations.
- Root dieback and death can result from compaction of the soil. Compaction can occur as a result of vehicle weight, weight of stored materials or increased pedestrian access. Compaction crushes out soil pore space and prevents tree respiration from occurring (respiration requires gas exchange between the ground and the atmosphere). Compacted soil is denser and therefore inhibits/prevents any further new root growth.
- Pollution of the soil with chemicals such as oil or cement washings can destroy the soil environment, making it inhospitable for the tree cause causing it stress.

The effects of these impacts can be disfiguring to a tree's appearance and also weaken a tree making it more liable to attack by pest and diseases. In addition, root damage or death results in corresponding decline above the ground with dieback occurring within the tree crown.

The effects of damage to trees generally take some time to become fully apparent. In many cases, damaged trees decline slowly after the completion of a new development, until they eventually need to be removed due to ill health.

Tree protection barriers and load distributing 'no-dig' paths are specified in order to prevent soil compaction from taking place.

GENERAL SITE RULES FOR TREE PROTECTION

Do not independently carry out any activity that is at odds with the site scheme of tree protection. This is contained within an approved Arboricultural Method Statement (AMS) and accompanying Tree Protection Plan.

In simple terms: do not carry out any work within any Construction Exclusion Zone (CEZ) without prior liaison with the Project Arboriculturist and written authorisation from the Local Planning Authority.

Within the CEZ:

- No mixing of cement
- No soil/turf stripping, raising/lowering of ground levels (unless advised), deposit or excavation of soil or rubble
- No excavations for services or installation of services
- No storage of materials, machinery fuel, chemicals or other materials of any other description
- No parking/use of tracked or wheeled machinery
- No siting of temporary structures including hard standing areas, portaloos, site huts
- No lighting of fires or disposal of liquids
- Fires on site should be avoided if possible. Where they are unavoidable, they must not be lit in a position where heat could damage foliage or branches. Fires must be a minimum of 20m from the trunk of any retained tree or the centre line of any hedgerow to be retained
- No signs, cables, fixtures or fittings of any other description shall be attached to any part of a retained tree.

CONSTRUCTION EXCLUSION ZONE - NO ENTRY

TREE PROTECTION FENCING

THIS FENCE MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED TREE PROTECTION PLANS AND ARBORICULTURAL METHOD STATEMENT FOR THIS DEVELOPMENT.

TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A TREE PRESERVATION ORDER.
CONTRAVENTION CAN RESULT IN BREACH OF PLANNING CONDITIONS AND/OR CRIMINAL PROSECUTION.
(TOWN AND COUNTRY PLANNING ACT 1990)

FOR ALL ENQUIRIES REGARDING TREES AT THIS DEVELOPMENT
PLEASE CALL 01386 576161 OR EMAIL ENQUIRIES@BARTON-HYETT.CO.UK

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