Tween Bridge Solar Farm

Environmental Statement
Appendix 6.6: Arboricultural Impact Assessment

Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

APFP Regulation 5(2)(a)

Document Reference: 6.3.6.6

August 2025

Revision 1

ARBORICULTURAL IMPACT ASSESSMENT

Tween Bridge Solar Farm (NSIP)

August 2025

Barton Hyett Associates
Arboricultural Consultants

Summary table		
Order Limits Name:	Tween Bridge Solar Farm	
Project reference:	5410	
Order Limits Address:	Thorne, Moorends, Doncaster, South Yorkshire	
Nearest Postcode:	DN8 5RX	
Central Grid reference:	SE 71129 14258	
Local Planning Authority:	Doncaster Metropolitan Borough Council	
Examining Authority:	The Planning Inspectorate	
Relevant planning policies:	Doncaster Local Plan 2015 - 2035 (adopted September 2021), policy 32: woodlands, trees & hedgerows; policy 33: landscape (strategic policy).	
Statutory Controls:	**Tree Preservation Order**	**Conservation Area**
	No TPOs *Checked online here*	No Conservation area *Checked online here*
Soil Type: **(Source: BGS online soils map © NERC 2025)**	**Superficial/Drift**	**Bedrock**
	Hemingbrough Glaciolacustrine Formation - Clay, silty	Sherwood Sandstone Group - Sandstone
Proposed Order Limits plan:	18082025_J343_Order_Limits_Rev_AI	
Report author:	Ian Howell BA (Hons), Dip Arb L4 (ABC), TechArborA	
Checked by:	Richard Hyett *MSc, BSc (Hons), MICFor, MArborA*	
Date of issue: **(Revision 2)**	21.08.2025 - Revised Order Limits Plan	

Arboricultural Association
ASSOCIATION
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Chartered Foresters
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REPORT CONTENTS:

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1. INTRODUCTION

1.1. Barton Hyett Associates Ltd have been instructed by Pegasus Group on behalf of RWE Renewables UK Solar and Storage Ltd to survey trees located within the Order Limits of a Nationally Significant Infrastructure Project (NSIP) located within the administrative area of Doncaster Metropolitan Borough Council ('The Order Limits').

1.2. The Scheme will comprise the 'construction, operation, maintenance and decommissioning of a ground mounted solar park farm with an intended design capacity of over 50MWp (megawatts peak), and a battery energy storage facility with an export/import connection to the National Grid. Based on a wattage output of 610Wp (watt power) panel, the potential maximum range for energy generation is around 1250 MWp of direct current (DC) capacity. This would equate to around 800 MW of alternating current (AC) capacity. Flexibility in panel layout design would be required to accommodate expected future technology developments as technology continues to evolve and become more efficient.'

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 Order Limits 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 Scheme on the arboricultural resource within the the Order Limits and to produce the following:

- Arboricultural impact assessment
- Tree Retention / Removal & Protection Plan
- Trees & Hedgerows to be Removed or Managed Plan

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

2. SUMMARY ORDER LIMITS DESCRIPTION

2.1. The Order Limits are located just north of the M180 and to the east of the village of Thorne and are spread over a large area which consists mainly of arable farmland with associated farmyards and scattered dwellings.

2.2. Boundaries are defined by hedges, fences and significant drainage ditches, the latter being maintained by The Doncaster East Internal Drainage Board.

2.3. The Order Limits are relatively flat throughout, measuring 2.5m above mean sea level on average. The A18 runs east-to-west through the approximate centre of the southern part of the Order Limits.

2.4. Access is provided into the many areas by gateways serving as access into the farms with the majority of these being controlled remotely.

3. TREE SURVEY FINDINGS

3.1. The survey recorded 826 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 Scheme 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	**391**	36	218	136	1
Groups	**223**	1	135	85	2
Woodlands	**9**	2	7	-	-
Hedgerows	**203**	-	62	141	-
Total	**826**	**39**	**422**	**362**	**3**

4. KEY ARBORICULTURAL FEATURES

4.1. The individual trees T15, T26, T72, T73, T76, T77, T131, T134, T135, T144, T166, T182, T231, T240, T272, T273, T281, T282, T305, T308, T314, T320, T321, T325, T330, T331, T335, T336, T337, T339, T345, T360, T381 and T384 have been classified as high-quality A1 trees due to having a limited number of significant issues and representing a good example of the species.

4.2. Additionally, 2 mature oak T214 and T215 have been classified as high-quality category A3 trees as they have good habitat potential, with T215 being recorded as a notable tree. The oak T215 has not been classified as a veteran for the following reasons. According to the table in Figure 1.3 in Lonsdale (2013 [2]), the stem diameter of 1200mm places the trees within the 'locally notable' - 'veteran / notable' classification. When T215 is assessed for veteran status, the tree does not meet the criteria for characteristic features found on veteran trees (in para. 2.1.1 in Read, 2000 [3]) which lists features such as; major trunk cavities, deadwood and crown retrenchment, dry crevices, bark loss, fungal fruiting bodies, an old look or a high aesthetic interest.

4.3. The group G219 and woodlands W5 and W7 have been recorded as high-quality features. The group G219 is a linear feature of significant oak and the off-Order Limits woodland plots contain a mix of native broadleaf species with a well-developed understorey.

5. SCHEME

5.1. The Scheme is for the construction and operation and of a large scale solar farm plus battery 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 Scheme is provided below:

> 'The Scheme will comprise the 'construction, operation, maintenance and decommissioning of a ground mounted solar park farm with an intended design capacity of over 50MWp (megawatts peak), and a battery energy storage facility with an export/import connection to the National Grid.'

[2] *Lonsdale, D. (ed.) 2013. Ancient and other veteran trees: further guidance on management. London: The Tree Council*

[3] *Read, H. 2000. Veteran Trees: A guide to good management. London: English Nature.*

6. IMPACT ASSESSMENT

6.1. The impact assessment considers the effects of any tree loss required to implement the Scheme 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 Scheme. 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 Scheme is provided below.

Trees and hedgerows to be removed

6.2. The Scheme 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.

6.3. The positioning of solar panel areas and associated equipment such as inverters, substations, energy storage systems, fencing, CCTV and temporary construction compounds can be located sufficiently distant from the Order Limits' arboricultural resource and the associated Root Protection Areas (RPAs).

6.4. To establish the proposed access tracks and culvert crossings, it will be necessary to remove c.49 linear meters of hedgerow. Specifically, 14m of the important hedgerow H61, 6.5m of H138, 4m of H174, 6m of H40, 6m of H37 and 12m of H135.

6.5. It will also be necessary to remove c.8m of G107 (estimated to amount to 4 no. semi-mature, low-quality trees) to allow for the routing of an access track.

6.6. See Figure 1 below for a cross-sectional drawing of a typical culvert crossing and Figure 2 for a cross-sectional drawing of the typical access track designs.

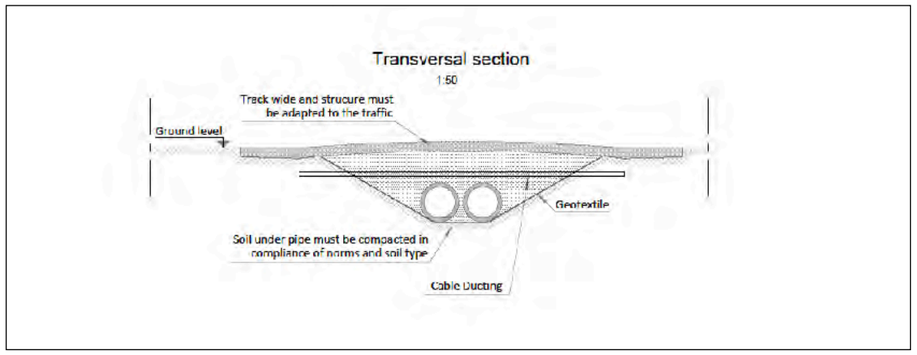


Figure 1: Typical culvert cross cross section (taken from drawing ref: 0307 Version 1)

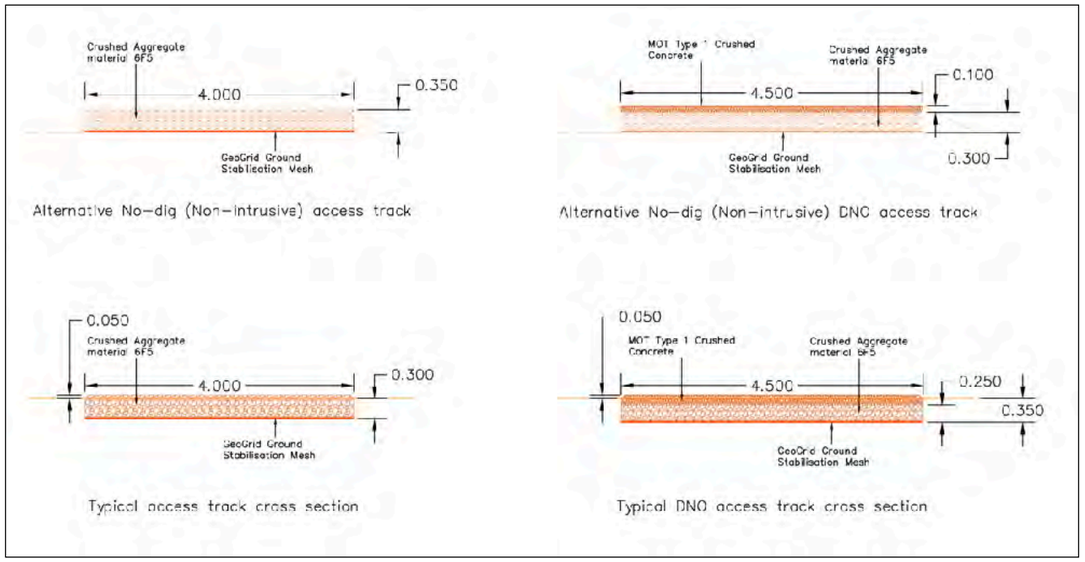


Figure 2: Typical track cross section (taken from drawing ref: 0302 version 1)

Summary

6.7. In relation to tree and hedgerow removals, the Scheme is feasible from an arboricultural perspective, and if carefully implemented there would be only a very low arboricultural impact resulting from the 49 linear meters of hedgerow removal and 8m section of tree group G107.

Impacts on retained trees

6.8. 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, solar panel areas and associated equipment such as inverters, substations, energy storage systems, fencing, CCTV and temporary construction compounds are largely remote from the remainder of the Order Limits' 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.

6.9. For the installation of the proposed perimeter fence, it will not be necessary to remove any individual trees, tree groups or hedgerows. But the Order Limits perimeter fencing will be installed ahead of the main construction phase and therefore will form much of the tree protection across the Order Limits. See Figure 3 for a drawing of a typical perimeter (deer fence) design.

6.10. The Low Voltage (LV) and High Voltage (HV) underground cables would typically be routed alongside or beneath the access tracks or installed beneath woodlands, highways, and watercourses using Horizontal Directional Drilling (HDD), and therefore avoiding additional arboricultural impacts. See Figure 4 below for cross sectional some typical cable trench designs.

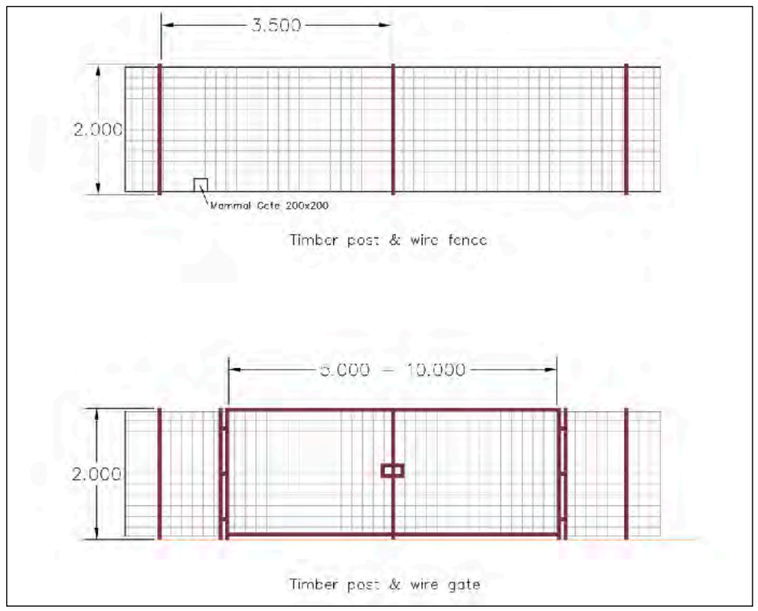


Figure 3: Typical perimeter fence and gate cross section (taken from drawing ref: 0303 version 1)

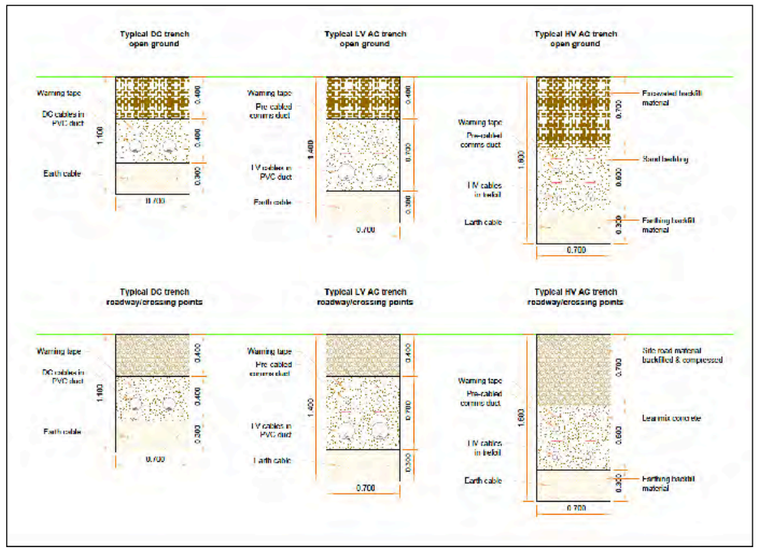


Figure 4: Typical cable trench cross sections (taken from drawing ref: 0303 version 1)

6.11. However, in order to limit and control the potential for damage to trees roots occurring during open trench excavation and installation of cables, it will be necessary for the project arboriculturist to review the final cabling plan once it has been produced.

6.12. To avoid the unnecessary excavation of highways, disturbance of watercourses and drainage, 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 titled: Environmental Statement Volume 3, Figure 2.4: Indicative HDD Crossing Plan for the proposed HDD locations). This approach is in line with guidance set out by the National Joint Utilities Group (NJUG) Volume 4[4], and with the HDD launch and receiver pits being outside of the RPAs of retained trees and tree groups, there is no anticipated potential for negative impacts being inflicted upon retained trees.

6.13. 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) is to be designated in-between the perimeter fence and some hedgerows that are 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 Order Limits. It will therefore be necessary to install the perimeter fence from inside the Order Limits in order to avoid working within RPAs and the CEZ. Please refer to the Combined Tree Retention/Removal and Protection Plan in **Section 3** (drawing reference: BHA_4861_02).

6.14. In order to allow for access into an agricultural field that is associated with ecological mitigation, it may, in the future, be necessary to crown raise one mature common ash tree to a height of c.5m over the existing field access point This will be required at the location of Target Note 14 (TN 14) on the Combined Tree Retention/Removal and Protection Plan in **Section 3** (drawing reference: BHA_4861_02). The impact of the removal of two or three low limbs over the existing field access will be a very low impact.

Summary

6.15. In relation to retained trees, the Scheme 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 Figure 3) which is to be erected around the periphery of the solar panel areas 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 panel areas. However, the perimeter fencing will only protect trees located around the periphery. The trees and tree groups contained within the Order Limits 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 RPAs by creating a CEZ, it will be necessary to avoid the tracking of plant, machinery and driving of 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, higher-value trees (of moderate or high quality) are located within the interior of the Order Limits, specific robust temporary tree protection barriers have been proposed (as per the specification in BS5837:2012 Figure 2) and are coloured blue on the plan in **Section 3**.

7.4. The use of some wooden post and rope barriers to protect the RPAs of trees that are at the edges of the fields or within lower usage areas is also proposed and these are coloured orange on the plan in **Section 3.**

7.5. Where ditches and canals are present and acting as a natural root barrier no additional barriers are deemed to be necessary.

7.6. 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_4861_02). These plans will need to be revised and updated to be based on the final, approved layout that is to be implemented.

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

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 Order Limits 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 Order Limits 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 Order Limits interior)
- 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 Scheme 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.49 linear meters and c. 8m of G107 (estimated to amount to 4 no. semi-mature, low-quality trees) is proposed across the Order Limits to implement the design proposals. The impact of these removals is to remain very low across the Order Limits as a whole.

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 Scheme 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.

Richard Hyett
MSc, BSc (Hons), MICFor, MArborA
Chartered Arboriculturist

IMAGES FROM THE TREE SURVEY

PROJECT NO: 5410 (4861)

TAKEN ON: 10-12/01/2023

SURVEYORS: DAVID HOLMES / IAN HOWELL

TWEEN BRIDGE SOLAR FARM

IMAGE 1: A view looking west along the edge of W9.	*IMAGE 2: A typical view looking north, with W5 to the right of frame.*	*IMAGE 3: A view looking north at T295, which is fitted with an owl box (No: 7896).*

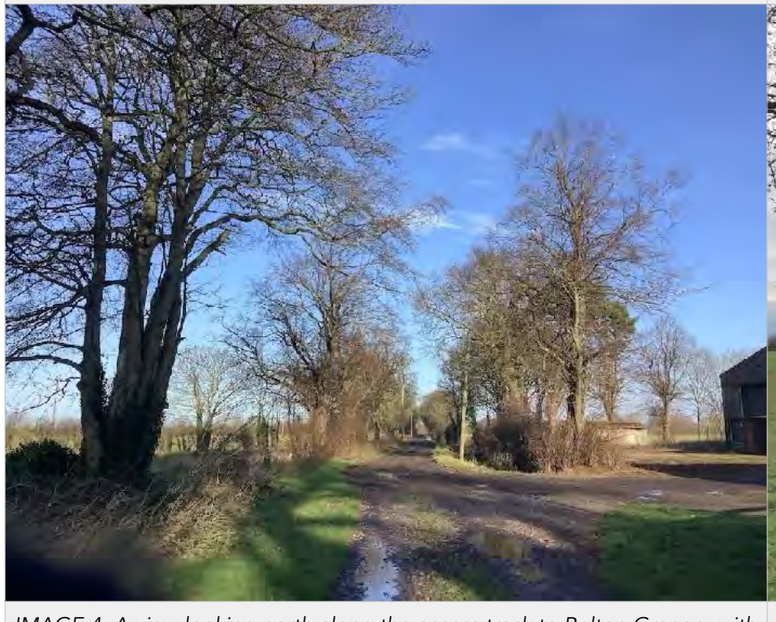
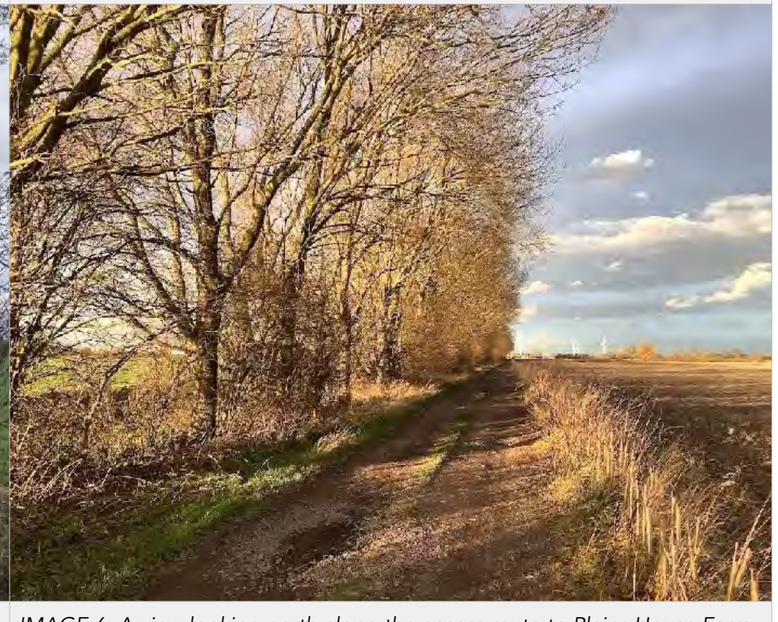
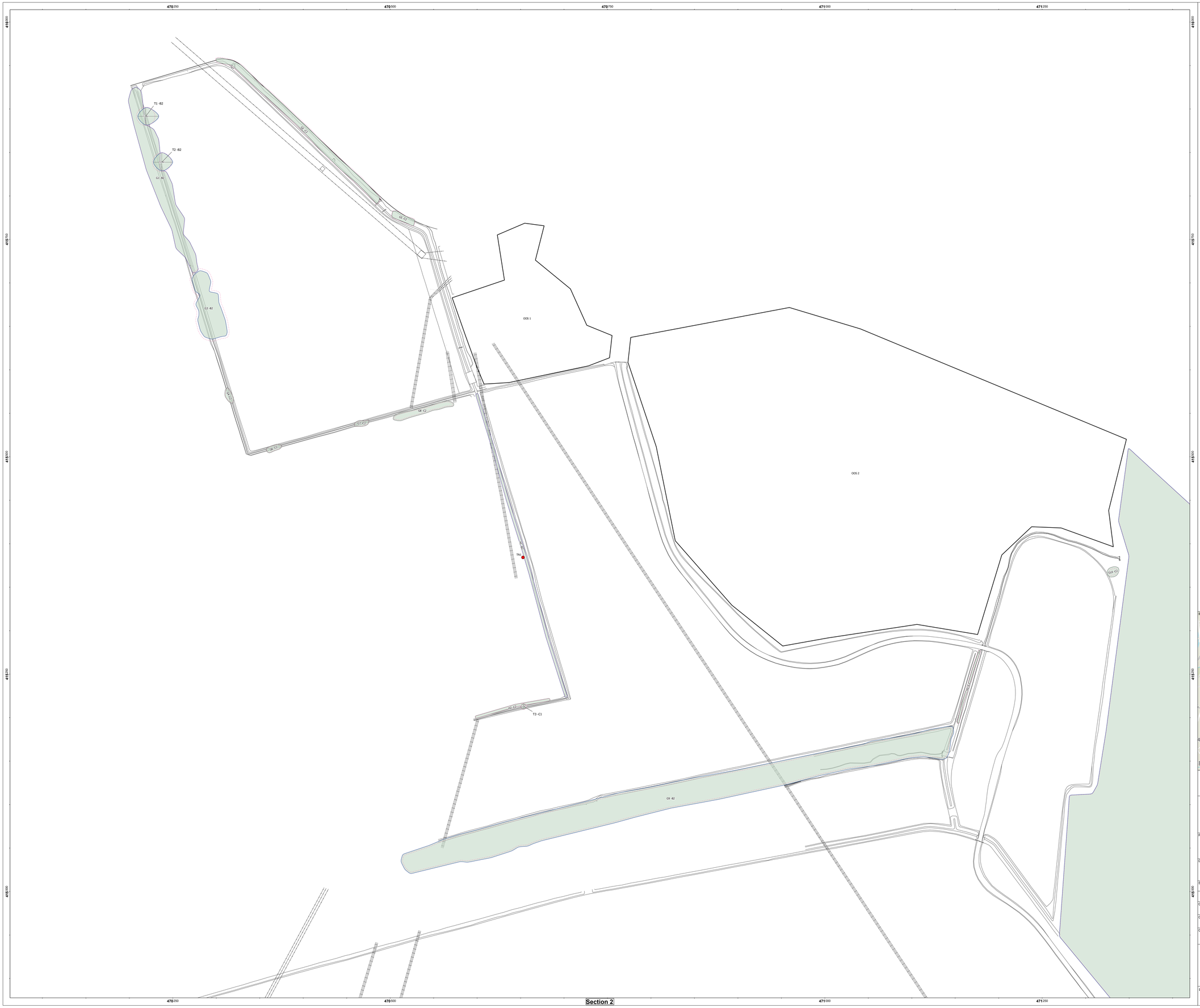

		

IMAGE 4: A view looking north along the access track to Belton Grange, with T76 & T77 indicated.	*IMAGE 5: A view looking south at the notable tree T215.*	*IMAGE 6: A view looking north along the access route to Plains House Farm.*

SECTION 1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G3 -C2
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G6 -C2
G7 -C2
G8 -C2
G9 -B2
G10 -C2
G11 -C2
G12 -C2
T3 -C1
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SD1.49

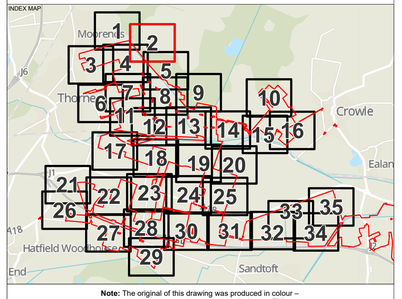
KEY

- 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**
- Target Note
- Important Hedgerow

Target Notes

Label	Description
TN1	25m of hedgerow cut at 1.5m
TN2(SD)	5.5m break in hedgerow
T3(SD)	Gate to private property
T4(SD)	Trees shown on map but no longer present on site. Cleared completely
TN5	Entrance to new carnival car park, all previous hedgerow removed for access. Photos taken 10/1 10:50
SD1.3	Hedgerow no longer exists

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 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**2 of 30**	**10/06/2025**	

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

CLIENT: **Pegasus Planning Group**

CREDITS

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Barton Hyett Associates
Arboricultural Consultants

Tel: 01386 576161
Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL

DRAWING PRODUCED BY

SUMMIT GEO

enquiries@barton-hyett.co.uk

Section 2

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)
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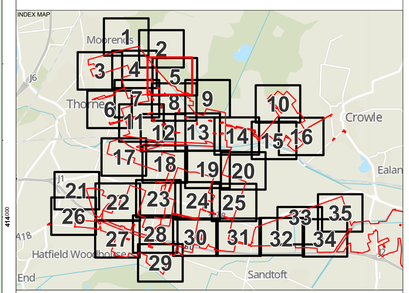
INDEX MAP



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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	DH	1	3 of 30	10/06/2025	

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

CLIENT: **Pegasus Planning Group**

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Barton Hyett Associates
Arboricultural Consultants

Tel: 01386 576161
Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL

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enquiries@barton-hyett.co.uk

470500 470750 471000 471250 471500

414000 413750 413500 413250

T365 -C3
T364 -C3
T367 -B1
T366 -B1
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G226 -C2
G227 -C2
G228 -C2
G229 -C2
G230 -C2
G231 -C2
G232 -C2
G233 -C2
G234 -C2
G235 -C2
G236 -C2
G237 -C2
G238 -C2
G239 -C2
G240 -C2

472750 473000 473250 473500 473750

414000 413750 413500 413250

Section 2

KEY

- Category A Tree - High quality (Retention highly desirable)
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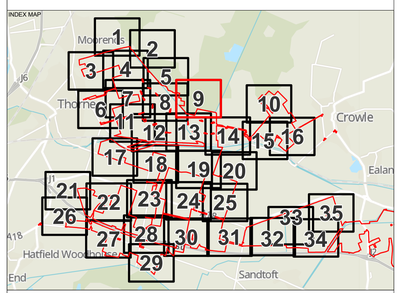
INDEX MAP



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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**5 of 30**	**10/06/2025**	

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

CLIENT: **Pegasus Planning Group**

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Arboricultural Consultants

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Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL

DRAWING PRODUCED BY

SUMMIT GEO

enquiries@barton-hyett.co.uk

474750 475000 475250 475500 475750 476000

413750 413500 413250

w3 -B2

T8 -C1
T10 -C1
T9 -C1
T11 -C1
G16 -C1
G17 -B2
T7 -C1
T6 -B1
T12 -B1
T13 -B1
T5 -B1
G15 -C2
G14 -B2
T14 -B1
G13 -B2
G12 -B2
G11 -B2
T15 -A1
T16 -B1

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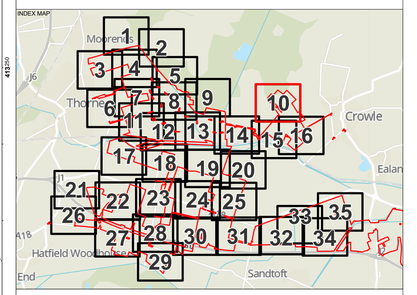

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**6 of 30**	**10/06/2025**	

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

CLIENT: **Pegasus Planning Group**

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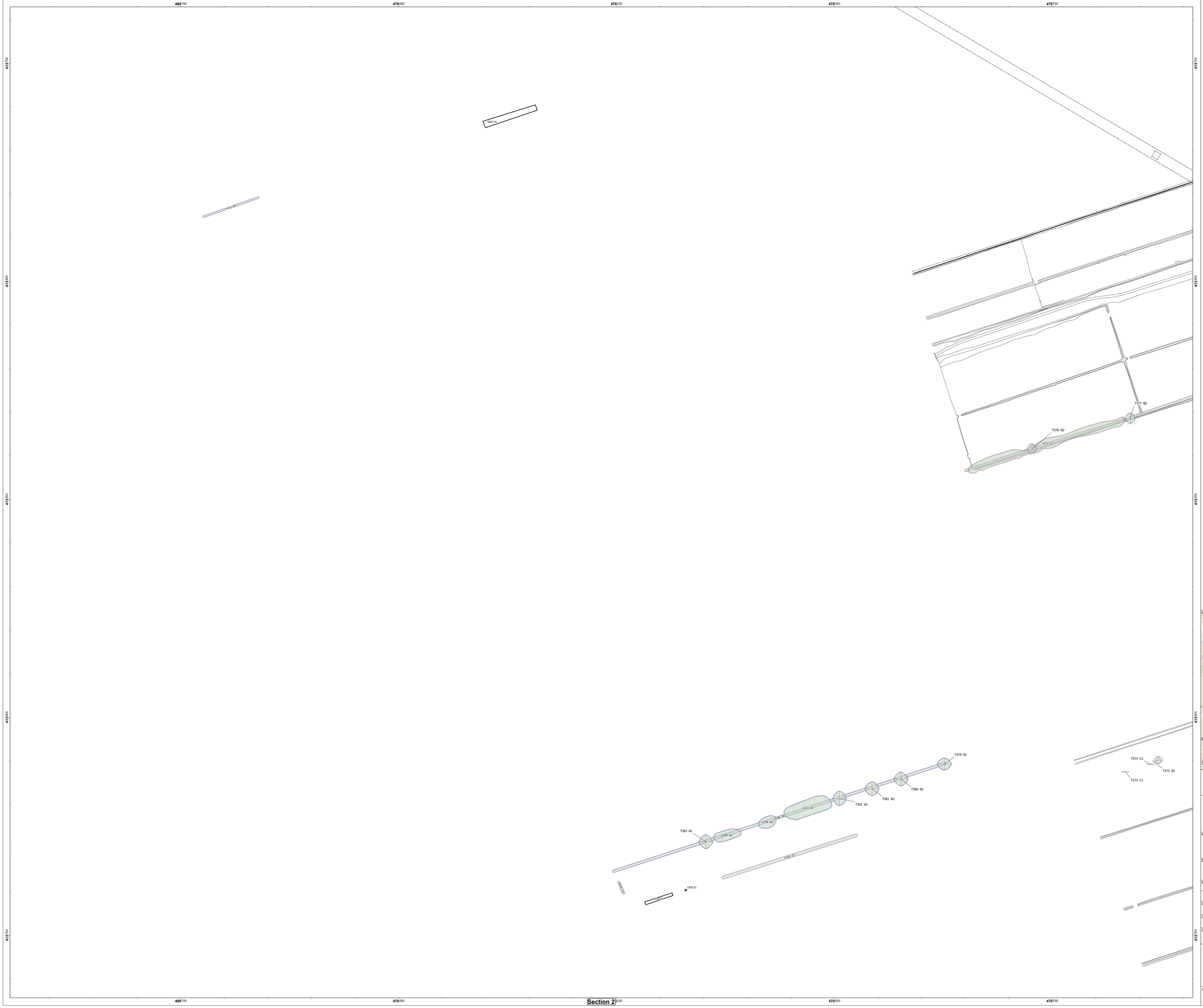

Section 2

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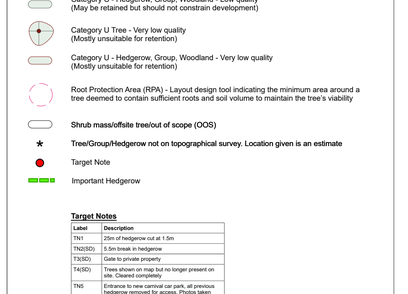

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0 30 60 120 Meters

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**7 of 30**	**10/06/2025**	

COORDINATE SYSTEM / DATUM

British National Grid / Newlyn Datum (AOD)

CLIENT

Pegasus Planning Group

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470750 471000 471250 471500 471750

413350 413300 412750 412500

T376 -B3
T377 -B2
T378 -B2
G222 -A2
T379 -B1
T380 -B1
T381 -B1
T382 -B1
T364 -C1
T367 -B1
T366 -B1
T370 -B1
T374 -C1
T373 -B1
T375 -C1
T354 -B1
T350 -B1
T352 -B1
T363 -B1
T351 -B1
T348 -B1
T347 -C1
T360 -A1
T361 -C1
T353 -B1
T355 -B1
T357 -B1
T356 -B1
T358 -B1
T359 -B1
T362 -B1
T264 -C1
T265 -C1
T346 -B1
T349 -B1
G219 -A2
T229 -B1
T224 -B1
T272 -A1
G217 -A2
T269 -B1
T271 -B1
G204 -B2
G203 -B2
T268 -B1
T267 -B1
T266 -B1
T291 -C1
T292 -C1
T290 -C1
G201 -B2
T286 -B1
T276 -B2
T287 -C1
T289 -C1
T288 -C1
T283 -C1
T285 -C1
T284 -C1
T278 -C1
T277 -C1
T273 -A1
H172 -A2
T281 -A1

Section 2

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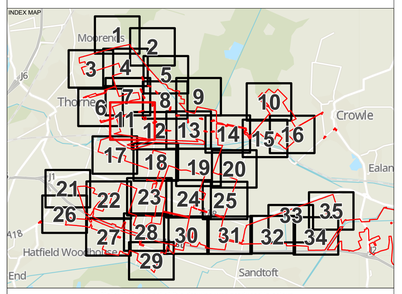

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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	DH	1	8 of 30	10/06/2025	

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

CLIENT: **Pegasus Planning Group**

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471250 471500 471750 472000 472250 472500

413000 412750 412500 412250 412000

T364 -C1
T366 -B1
T342 -B1
T354 -B1
T350 -B1
T352 -B1
T345 -A1
T328 -B1
T317 -B1
T363 -B1
T351 -B1
T344 -C1
T341 -B3
T343 -B1
T339 -A1
T337 -A2
T336 -A2
T335 -A2
T330 -A1
T331 -A1
T326 -C1
T324 -B1
T323 -B1
T325 -A1
T322 -C1
T316 -C1
T315 -C1
T312 -B1
T348 -B1
T347 -C1
T361 -C1
T360 -A1
T353 -B1
T362 -B1
T357 -B1
T355 -B1
T358 -B1
T359 -B1
T356 -B1
T340 -B1
T338 -B1
T346 -B1
T349 -B1
T321 -A1
T320 -A1
T314 -A1
T308 -A2
T270 -B1
T274 -B1
G019 -A2
T272 -A1
T334 -B1
T319 -B3
T333 -B1
T332 -C1
T329 -B1
T327 -B1
T318 -B1
T313 -B1
T311 -C1
T309 -B1
T310 -B1
T307 -C1
T306 -C1
T271 -B1
G004 -B2
T286 -B1
T291 -C1
T292 -C1
T290 -C1
G007 -B2
G008 -C2
G008 -B2
T276 -B3
T287 -C1
T289 -C1
T288 -C1
T283 -C1
T285 -C1
T284 -C1
T278 -C1
T277 -C1
T273 -A1
G012 -B2
T281 -A1
T293 -B1
G011 -C2
T296 -B1
G006 -A2
T282 -A1
T279 -B1
T280 -B1
T275 -B1
G214
Public Bridleway
Section 2

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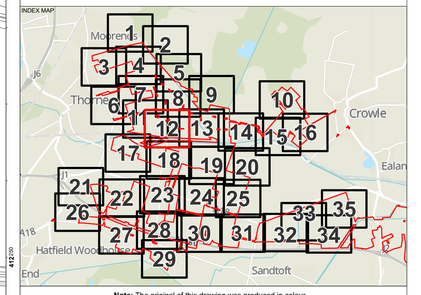

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N GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**9 of 30**	**10/06/2025**	

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

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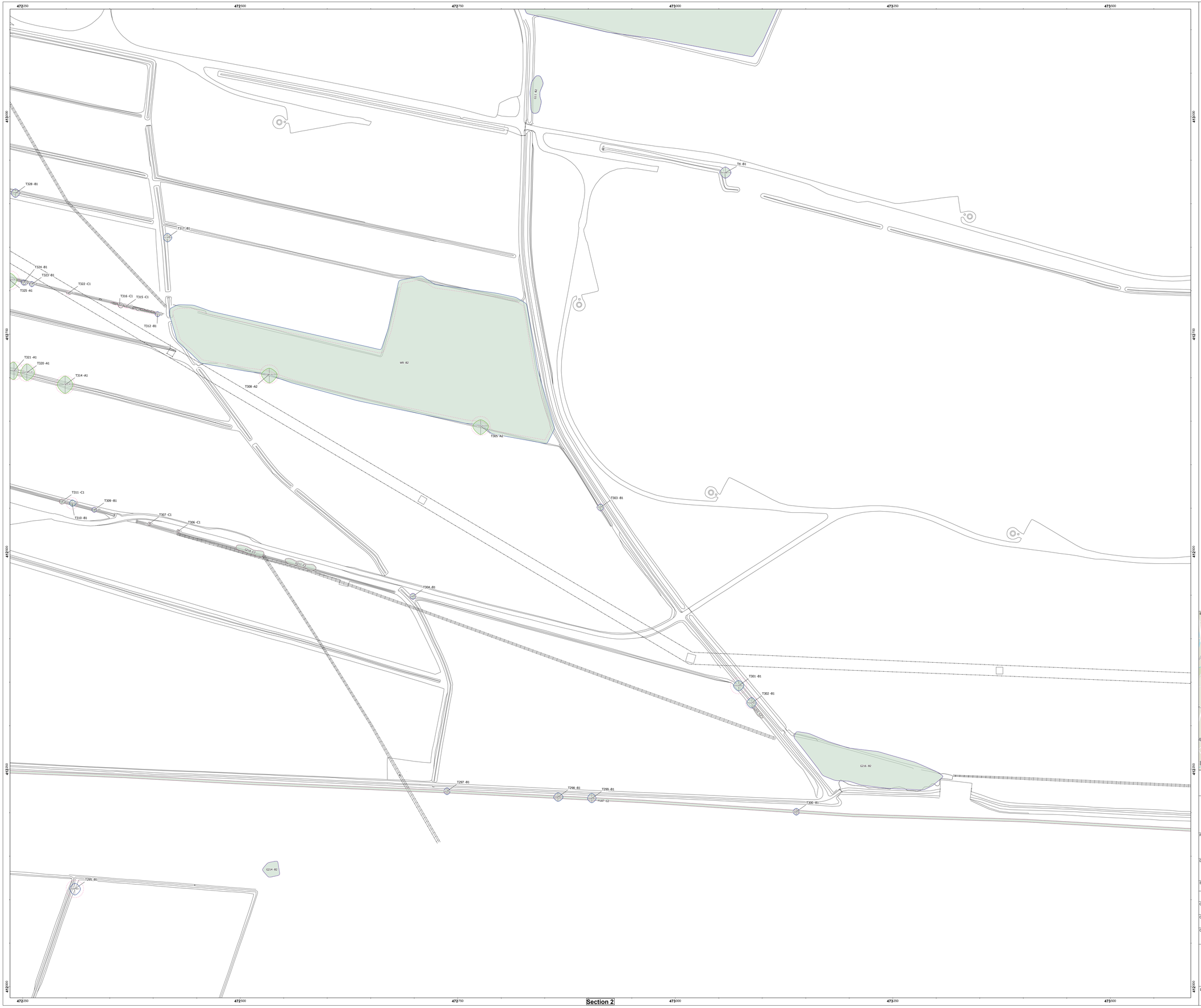

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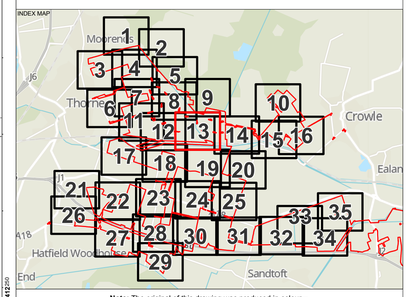

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0 30 60 120 Meters

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DB	DH	1	10 of 30	10/06/2025	

COORDINATE SYSTEM / DATUM

British National Grid / Newlyn Datum (AOD)

CLIENT

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473500 473750 474000 474250 474500 474750

413000 412750 412500 412250 412000

W2 -B2

G21 -B2

G26 -C2

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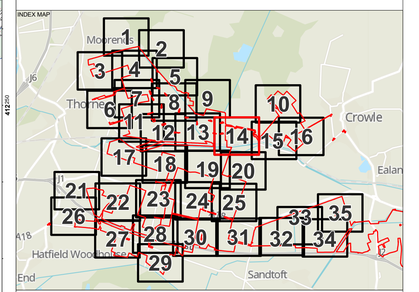

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DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**DH**	**1**	**11 of 30**	**10/06/2025**

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Section 2

474750 475000 475250 475500 475750

412750 412500 412250 411750

T16 -B1
G20 -B3
T24 -C1
T23 -C1
G21 -B2
T22 -C2
W2 -B2
G24 -C2
G23 -B2
G26 -C2
W4 -B2
G22 -C2
H203 -B2
H19 -C2

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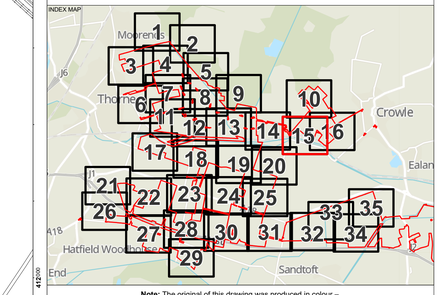

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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**12 of 30**	**10/06/2025**	

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

CLIENT: **Pegasus Planning Group**

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Tel: 01386 576161
Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL

DRAWING PRODUCED BY

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enquiries@barton-hyett.co.uk

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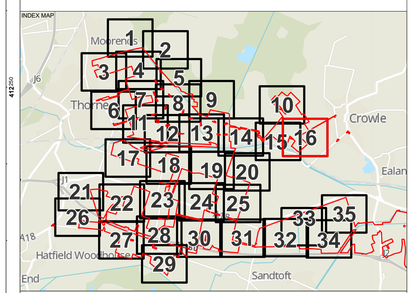

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470000
470250
470500
470750
471000
471250
412250
412000
411750
411500
411250
T262 -C1
T261 -C1
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T296 -B1
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H9 -A2
H8 -A2
H7 -A2
H6 -A2
H5 -A2
H4 -A2
H3 -A2
H2 -A2
H1 -A2

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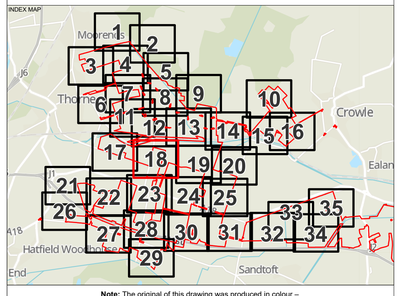

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GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**15 of 30**	**10/06/2025**	

COORDINATE SYSTEM / DATUM

British National Grid / Newlyn Datum (AOD)

CLIENT

Pegasus Planning Group

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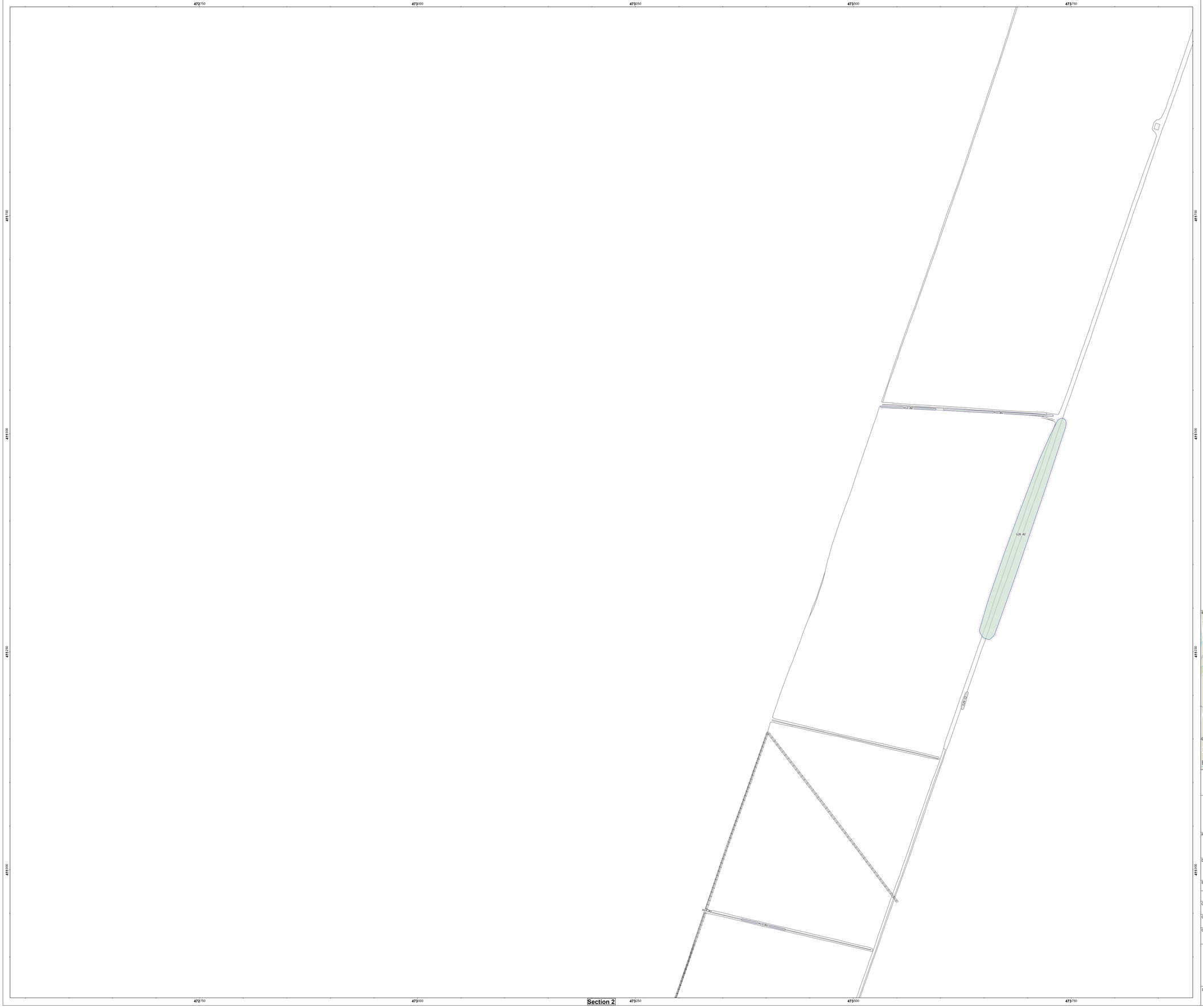

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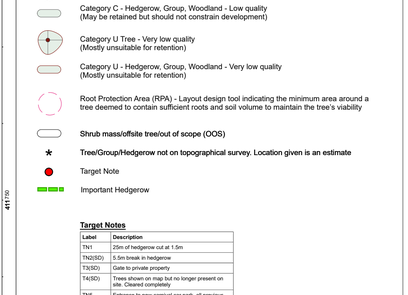

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Scale: 1:2,000 @ A1				**BHA_4861_01**	
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DB	**DH**	**1**	**16 of 30**	**10/06/2025**	

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

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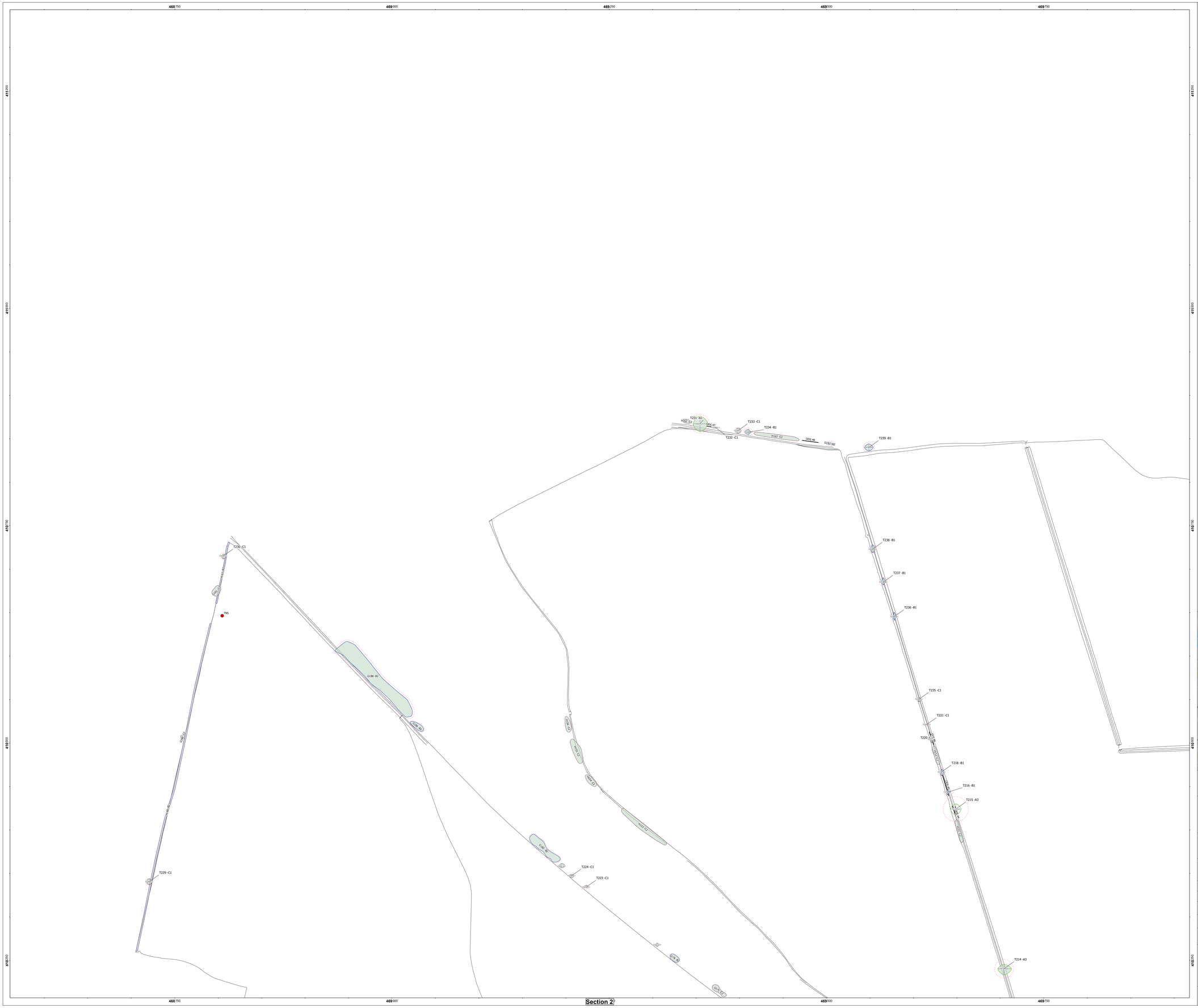

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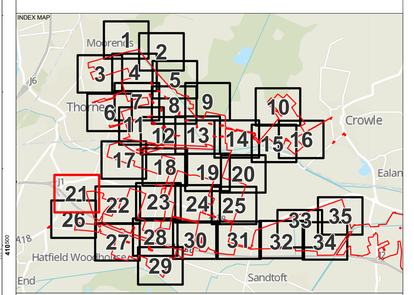

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COORDINATE SYSTEM / DATUM

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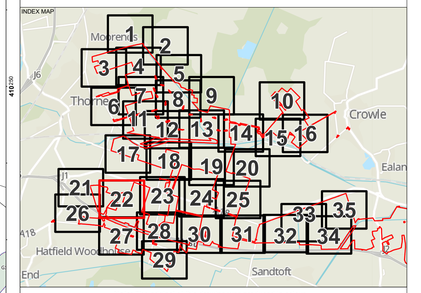

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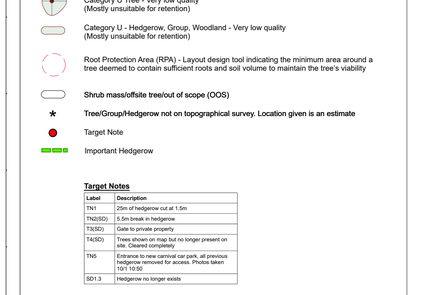

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DB	**DH**	**1**	**19 of 30**	**10/06/2025**	

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

CLIENT: **Pegasus Planning Group**

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Arboricultural Consultants

Tel: 01386 576161
Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL

DRAWING PRODUCED BY

SUMMIT GEO

enquiries@barton-hyett.co.uk

KEY

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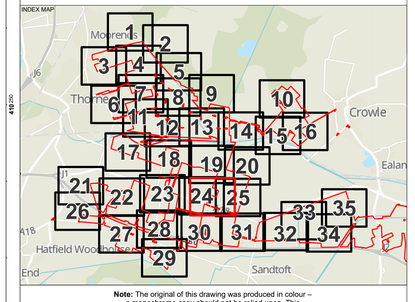

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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE			DRAWING NUMBER
Scale: 1:2,000 @ A1			**BHA_4861_01**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**DH**	**1**	**20 of 30**	**10/06/2025**

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

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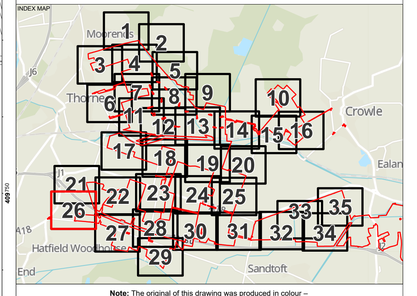

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DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**21 of 30**	**10/06/2025**	

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

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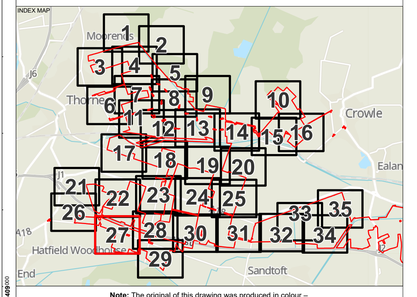

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PROJECT TITLE

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DRAWING TITLE

Tree Survey and Constraints Plan

SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**DH**	**1**	**22 of 30**	**10/06/2025**

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

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Section 2

KEY

- Category A Tree - High quality (Retention highly desirable)
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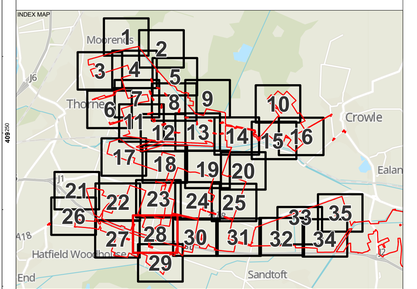

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PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**DH**	**1**	**23 of 30**	**10/06/2025**

COORDINATE SYSTEM / DATUM

British National Grid / Newlyn Datum (AOD)

CLIENT

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472250
472500
472750
473000
473250
473500
409750
409500
409250
409000
T36 -C1
T41 -B1
G112 -B2
T122 -C1
H36 -C2
H36 -C2
G111 -B2
OOS 19
H34 -C2
T121 -B1
H34 -C2
T388 -A1
H33 -C2
H33 -C2
T386 -B1
T387 -B1
H33 -C2
G108 -B2
H32 -C2
T114 -B1
H32 -C2
H32 -C2
H32 -C2

473500 473750 474000 474250 474500 474750

409750 409500 409250

G41 -B2
G40 -B2
T44 -B1
T43 -B1
H37 -C2
H36 -C2
G39 -B2
G38 -B2
G34 -B2
T42 -B1
T120 -B1
H38 -C2
G35 -C2
T119 -C1
H39 -C2
T117 -C1
H40 -B2
T116 -B1
G37 -B2
T112 -B1
G32 -C2
T115 -B1
H41 -C2
H42 -B2
T114 -B1
T113 -B1
H43 -C2
H44 -C2
H45 -C2
T108 -B1
H46 -C2
T109 -C1
H47 -C2
H48 -C2
H49 -C2
H50 -C2
H51 -C2
T55 -C1
H52 -C2
H53 -C2
OOS 5
T54 -B1
H54 -C2
H55 -C2
T52 -C1
G36 -C2
G33 -C2
T50 -C1
T49 -C1
H56 -C2
T51 -B1
H57 -C2
H58 -C2
T106 -B1
H59 -C2
H60 -C2
T107 -B1
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H77 -C2
H78 -C2
H79 -C2
H80 -C2

475000 475250 475500 475750 476000

409500 409250 409000 408750

G91 -B2

G90 -B2

T105 -B1

T104 -B1

G89 -B2

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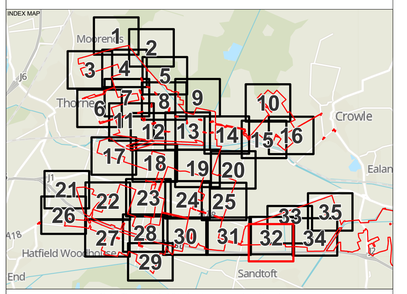

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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**26 of 30**	**10/06/2025**	

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

CLIENT: **Pegasus Planning Group**

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475500
475750
476000
476250
476500
410000
409750
409500
409250
409000
G91 -B2
G92 -B2
G93 -B2
G94 -C2
G95 -B2
G96 -B2
G97 -B2
G98 -B2
G99 -B2
G100 -B2
G101 -B2
G102 -B2
G103 -B2
G104 -B2
G105 -B2
G106 -B2
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G109 -B2
G110 -B2
G111 -B2
G112 -B2
G113 -B2
G114 -B2

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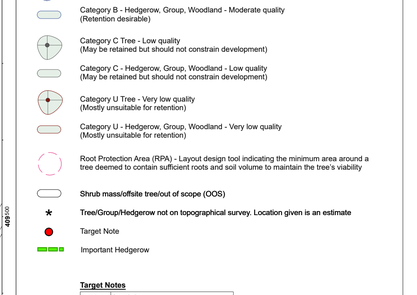

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0 30 60 120 Meters

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DRAWING TITLE

Tree Survey and Constraints Plan

SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	**BHA_4861_01**

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
DB	**DH**	**1**	**28 of 30**	**10/06/2025**

COORDINATE SYSTEM / DATUM

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476750 477000 477250 477500 477750

410300 410250 410200 409750 409300

T67 -B1
OOS 7
T68 -B1
T69 -B1
T70 -B1
T71 -B1
T72 -A1
T73 -A1
T74 -C1
T75 -B1
T76 -A1
T77 -A1
T78 -C1
T79 -B1
T80 -B1
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Section 2

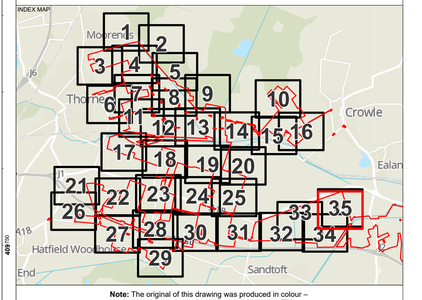
KEY

- 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**
- Target Note
- Important Hedgerow

Target Notes

Label	Description
TN1	25m of hedgerow cut at 1.5m
TN2(SD)	5.5m break in hedgerow
T3(SD)	Gate to private property
T4(SD)	Trees shown on map but no longer present on site. Cleared completely
TN5	Entrance to new carnival car park, all previous hedgerow removed for access. Photos taken 10/1 10:50
SD1.3	Hedgerow no longer exists

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 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**29 of 30**	**10/06/2025**	

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

CLIENT: **Pegasus Planning Group**

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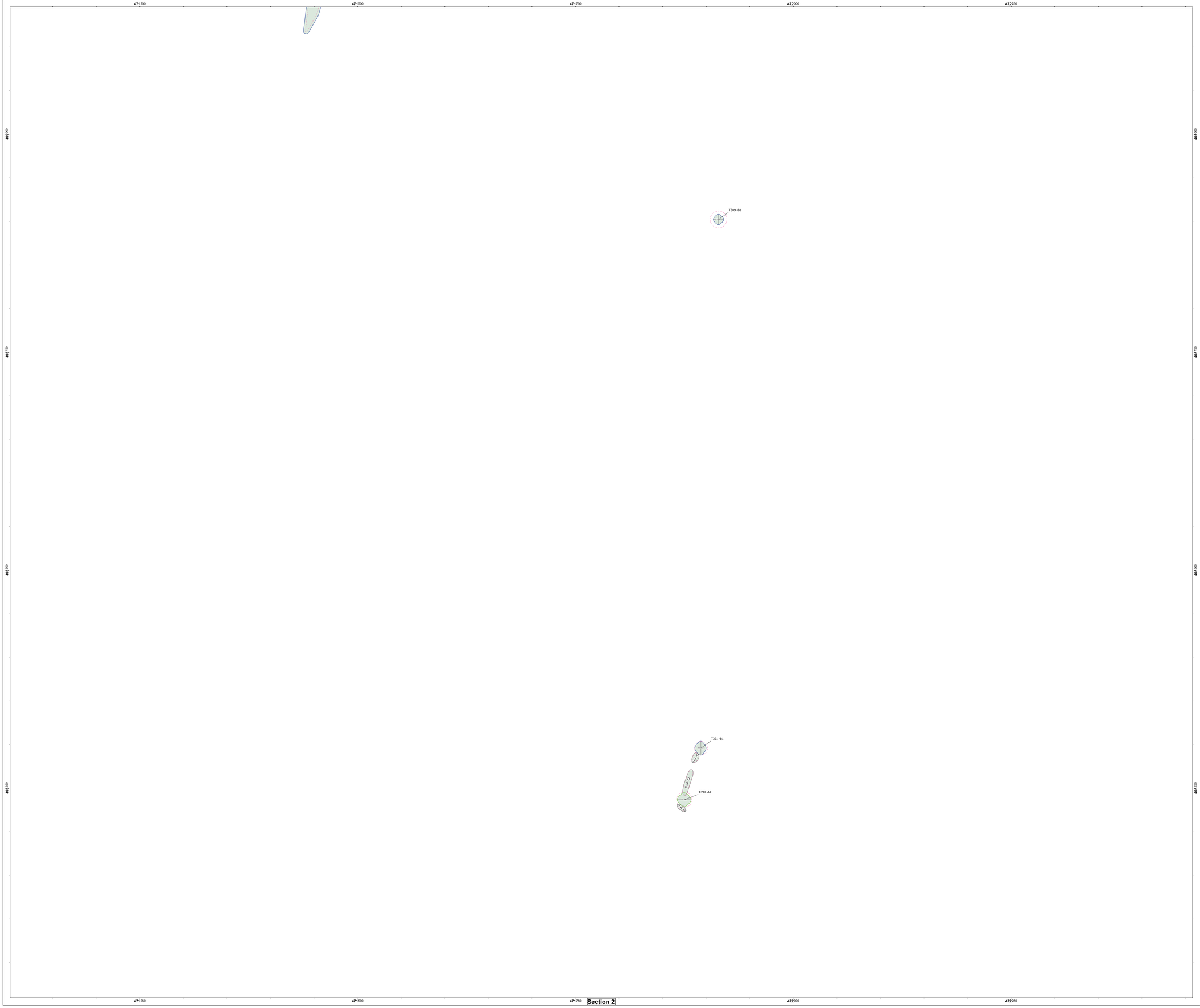
Barton Hyett Associates
Arboricultural Consultants

Tel: 01386 576161
Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL

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



Section 2

KEY

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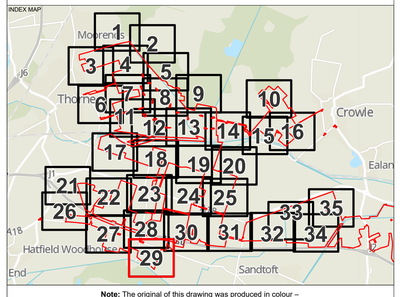

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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Survey and Constraints Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_01**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
DB	**DH**	**1**	**30 of 30**	**10/06/2025**	

COORDINATE SYSTEM / DATUM

British National Grid / Newlyn Datum (AOD)

CLIENT

Pegasus Planning Group

CREDITS

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Barton Hyett Associates
Arboricultural Consultants

Tel: 01386 576161
Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL

DRAWING PRODUCED BY

SUMMIT GEO

enquiries@barton-hyett.co.uk

Tree Ref	Species	Height (m)	Life/Stage	RPA Radius (m)	RPA (m2)
T1	Poplar (Hybrid black)	25	M	10.6	350
T2	Poplar (Hybrid black)	25	M	10.8	366
T3	Ash (Common)	11	SM	3.5	38
T4	Oak (English)	10	EM	6	113
T5	Oak (English)	15	M	5.3	88
T6	Oak (English)	12	M	6.2	122
T7	Birch (Silver)	12	M	3.6	41
T8	Oak (English)	9	M	2.5	20
T9	Birch (Silver)	12	M	4.9	76
T10	Birch (Silver)	12	M	3.2	33
T11	Birch (Silver)	8	M	2.6	22
T12	Birch (Silver)	10	EM	4.4	62
T13	Oak (English)	10	EM	6.6	137
T14	Oak (English)	4.5	M	3.3	35
T15	Oak (English)	13.5	M	10.8	350
T16	Oak (English)	12.5	EM	8.2	209
T17	Hawthorn	3	SM	1.3	5
T18	Hawthorn	3	SM	1.3	5
T19	Hawthorn	3	SM	1.8	10
T20	Hawthorn	3	SM	1.8	10
T21	Hawthorn	3	SM	1.8	10
T22	Hawthorn	3	EM	1.3	5
T23	Ash (Common)	13	EM	5.2	82
T24	Ash (Common)	13	EM	4.2	55
T25	Ash (Common)	14	EM	7.2	163
T26	Oak (English)	15	M	8.4	222
T27	Ash (Common)	12	EM	10.2	327
T28	Maple (Field)	10	EM	6.6	137
T29	Maple (Field)	10	EM	8.8	241
T30	Hawthorn	5	EM	3.5	38
T31	Beech (Common)	20	M	15	707
T32	Chestnut (Horse)	18	M	14.4	651
T33	Chestnut (Horse)	18	M	13.2	547
T34	Beech (Common)	17	M	12	452
T35	Beech (Common)	18	M	12	452
T36	Birch (Silver)	9	EM	4.5	65
T37	Chestnut (Horse)	18	M	10.8	366
T38	Beech (Common)	18	M	13.2	547
T39	Beech (Common)	18	M	12	452
T40	Beech (Common)	18	M	12	452
T41	Hawthorn	4	EM	2.9	26
T42	Willow (Crack)	15	M	5.4	92
T43	Willow (Crack)	18	M	10.6	350
T44	Willow (Crack)	15	M	4.8	72
T45	Hawthorn	4	SM	2.9	26
T46	Hawthorn	5	EM	3.5	38
T47	Sycamore	16	EM	11.4	408
T48	Hawthorn	4	SM	2.9	26
T49	Willow (Goat)	5	SM	2.9	26
T50	Willow (Goat)	7	EM	4.2	55
T51	Ash (Common)	10	EM	3.6	41
T52	Birch (Silver)	9	SM	2.2	15
T53	Sycamore	15	EM	15	707
T54	Alder (Common)	10	EM	3.6	41
T55	Ash (Common)	8	SM	1.3	5
T56	Willow (Goat)	10	EM	10.3	335
T57	Hawthorn	4	M	4.4	62
T58	Sycamore	14	M	8.4	222
T59	Chestnut (Horse)	18	M	11.8	434
T60	Acacia (False)	15	M	9.6	290
T61	Acacia (False)	9	SM	3	28
T62	Sycamore	16	M	10.2	327
T63	Chestnut (Horse)	17	M	10.8	366
T64	Sycamore	16	M	8.4	222
T65	Sycamore	14	EM	8.3	215
T66	Poplar (Hybrid black)	22	M	14.3	641
T67	Sycamore	15	M	8.4	222
T68	Oak (English)	14	EM	8.2	209
T69	Sycamore	14	M	11.5	417
T70	Ash (Common)	14	M	10.8	366
T71	Sycamore	12	EM	4.8	72
T72	Oak (English)	18	M	10.4	342
T73	Lime (Small-leafed)	18	M	8.9	248
T74	Apple	3	EM	2.5	20
T75	Sycamore	15	M	11.3	400
T76	Lime (Small-leafed)	16	M	8.4	222
T77	Lime (Small-leafed)	16	M	7.8	191

Tree Ref	Species	Height (m)	Life/Stage	RPA Radius (m)	RPA (m2)
T78	Cherry (Ornamental flowering)	4	Y	1.3	5
T79	Sycamore	14	M	9.6	290
T80	Willow (Weeping)	16	M	12.7	508
T81	Holly	8	EM	2.9	26
T82	Sycamore	10	EM	5.4	92
T83	Sycamore	10	EM	5.4	92
T84	Chestnut (Horse)	16	M	8.4	222
T85	Sycamore	15	M	8.4	222
T86	Sycamore	14	EM	10.6	350
T87	Sycamore	8	M	7.6	181
T88	Chestnut (Horse)	15	M	9.6	290
T89	Hawthorn	2.5	EM	2.4	18
T90	Sycamore	16	M	13.8	598
T91	Sycamore	8	M	7.2	163
T92	Sycamore	8	M	7.2	163
T93	Sycamore	14	M	8.3	215
T94	Sycamore	14	EM	11.5	417
T95	Sycamore	13	EM	6.2	122
T96	Sycamore	17	M	9.6	290
T97	Willow (Crack)	15	M	10	707
T98	Hawthorn	4	EM	3.5	38
T99	Hawthorn	3.5	EM	4.1	52
T100	Hawthorn	3	EM	3.5	38
T101	Elder	3	EM	2.9	26
T102	Willow (Crack)	15	M	13.2	547
T103	Willow (Crack)	14	M	11.9	443
T104	Sycamore	15	M	11.5	417
T105	Oak (English)	14	EM	8.3	215
T106	Willow (Crack)	14	M	6.6	137
T107	Willow (Crack)	16	M	6.6	137
T108	Hawthorn	6	EM	5.9	109
T109	Willow (Goat)	6	SM	4.2	55
T110	Willow (Goat)	5	SM	3	28
T111	Willow (Goat)	5	SM	4.2	55
T112	Hawthorn	6	EM	4.1	52
T113	Willow (Goat)	5	EM	4.1	52
T114	Ash (Common)	18	M	11.8	434
T115	Willow (Goat)	10	EM	4.8	72
T116	Willow (Crack)	12	EM	5.4	92
T117	Willow (Goat)	6	EM	3.6	41
T118	Ash (Common)	9	SM	4.2	55
T119	Willow (Goat)	4.5	EM	1.8	10
T120	Willow (Goat)	6.5	EM	3.8	46
T121	Walnut (Common)	16	M	10.8	366
T122	Ash (Common)	18	M	10.8	366
T123	Hawthorn	7	M	4.4	62
T124	Oak (English)	16	M	6.6	137
T125	Hawthorn	7.5	M	4.8	72
T126	Cypress (Leyland)	10	Y	1.8	10
T127	Sycamore	12	M	4.8	72
T128	Oak (English)	14	M	10.2	327
T129	Hawthorn	6.5	M	4.5	65
T130	Hawthorn	4.5	M	3.6	41
T131	Oak (English)	17	M	9	254
T132	Hawthorn	7	M	4.8	72
T133	Hawthorn	7.5	M	4.8	72
T134	Oak (English)	16	M	9.6	290
T135	Oak (English)	16	M	9.6	290
T136	Hawthorn	5	M	3.6	41
T137	Oak (English)	16	M	8.4	222
T138	Hawthorn	6.5	M	4.4	62
T139	Sycamore	15	M	8.4	222
T140	Ash (Common)	13	M	8.4	222
T141	Sycamore	15	M	10.9	375
T142	Ash (Common)	16	M	9.6	290
T143	Sycamore	15	M	6.6	137
T144	Oak (English)	17	M	10.8	366
T145	Sycamore	17	M	7.2	163
T146	Apple	6	M	7.2	163
T147	Willow (Crack)	14	M	9.7	297
T148	Willow (Weeping)	14	M	7.2	163
T149	Birch (Silver)	16	M	7	152
T150	Oak (English)	7	EM	5.6	100
T151	Oak (English)	5	SM	2.4	18
T152	Oak (English)	5	SM	2.4	18
T153	Oak (English)	5	SM	2.4	18
T154	Oak (English)	5	SM	2.4	18

Tree Ref	Species	Height (m)	Life/Stage	RPA Radius (m)	RPA (m2)
T155	Sycamore	12	SM	7.3	168
T156	Oak (English)	12	EM	5.4	92
T157	Sycamore	8	SM	1.8	10
T158	Sycamore	8	SM	2.2	15
T159	Sycamore	10	SM	2.4	18
T160	Oak (English)	12	EM	5.4	92
T161	Sycamore	11	SM	5.9	109
T162	Sycamore	8	SM	3.6	41
T163	Sycamore	17	M	7.2	163
T164	Ash (Common)	12	SM	5.9	109
T165	Hawthorn	3	M	2.5	20
T166	Willow (Weeping)	18	M	10.8	366
T167	Hawthorn	6	EM	4.1	52
T168	Hawthorn	3	SM	1.3	5
T169	Hawthorn	4	SM	1.3	5
T170	Hawthorn	4.5	EM	2.9	26
T171	Willow (Goat)	4	SM	5	80
T172	Willow (Goat)	5	SM	2.6	22
T173	Sycamore	15	EM	6.8	147
T174	Oak (English)	10	EM	6.2	122
T175	Ash (Common)	10	M	6.8	147
T176	Willow (Goat)	5	SM	3.3	35
T177	Willow (Goat)	5	SM	3.3	35
T178	Willow (Goat)	7	SM	5	80
T179	Birch (Silver)	8	EM	6.2	122
T180	Hawthorn	5	M	3.3	38
T181	Sycamore	15	SM	4.2	55
T182	Willow (Crack)	19	M	15	707
T183	Ash (Common)	14	EM	6.6	137
T184	Hawthorn	3.5	EM	2	13
T185	Ash (Common)	10	EM	9.8	304
T186	Hawthorn	5.5	M	5.8	100
T187	Hawthorn	4	EM	2.4	18
T188	Hawthorn	4	EM	2.5	20
T189	Sycamore	12	EM	6.4	127
T190	Sycamore	17	M	9	254
T191	Sycamore	15	SM	10.3	335
T192	Elm (English)	13	EM	7	152
T193	Oak (English)	11	M	10.9	375
T194	Oak (English)	3	SM	1.8	10
T195	Oak (English)	10	EM	7	152
T196	Alder (Common)	12	EM	10.6	350
T197	Oak (English)	11	M	7.3	168
T198	Alder (Common)	11	M	7.1	157
T199	Ash (Common)	10	M	9.1	261
T200	Cypress (Leylandi)	8	EM	3.5	38
T201	Oak	3.5	SM	3.3	35
T202	Lime (Common)	11	M	7.1	157
T203	Lime (Common)	11	M	7.1	157
T204	Elder	4.5	EM	3.8	46
T205	Sycamore	12	EM	5.4	92
T206	Hawthorn	6	M	4.4	62
T207	Willow (Crack)	9	M	7.7	185
T208	Willow (Crack)	6	SM	1.7	9
T209	Ash (Common)	8.5	M	5	80
T210	Apple	11	M	4.8	72
T211	Willow (Crack)	19	M	15	707
T213	Hawthorn	4	EM	2.4	18
T214	Oak (English)	15	M	10.8	366
T215	Oak (English)	16	M	14.4	651
T216	Hawthorn	5	M	4.2	55
T218	Hawthorn	5	M	4.4	62
T219	Hawthorn	4	EM	2.4	18
T220	Hawthorn	6	M	2.3	16
T221	Hawthorn	2	EM	1.7	9
T223	Hawthorn	4	EM	2.4	18
T224	Sycamore	5	SM	1.8	10
T226	Birch (Silver)	9	M	4.1	52
T229	Oak (English)	6	SM	3.8	46
T230	Oak (English)	5.5	SM	3.6	41
T231	Oak (English)	17	M	10.8	366
T232	Hawthorn	3.5	EM	1.3	5
T233	Ash (Common)	7	SM	3.6	41
T234	Hawthorn	8	M	4.8	72
T235	Hawthorn	4.5	M	2.9	26
T236	Hawthorn	6	M	4.7	69
T237	Hawthorn	6	M	4.7	69

Tree Ref	Species	Height (m)	Life/Stage	RPA Radius (m)	RPA (m2)
T238	Hawthorn	6	M	4.7	69
T239	Hawthorn	8	M	6.1	118
T240	Walnut (Common)	10	LM	8.4	222
T241	Sycamore	17	M	6.7	142
T242	Sycamore	17	M	7.3	168
T243	Sycamore	15	M	7.1	157
T244	Sycamore	15	M	5.6	100
T245	Ash (Common)	16	M	5.6	100
T246	Oak (English)	10	SM	4.2	55
T247	Oak (English)	15	M	7.1	157
T248	Lime (Common)	13	EM	6	113
T249	Oak (English)	10	M	4.2	55
T250	Hawthorn	6	EM	2.5	20
T251	Hawthorn	4	EM	2.5	20
T252	Oak (English)	6	EM	4.5	65
T253	Ash (Common)	12	M	7	152
T254	Birch (Silver)	14	EM	5.4	92
T255	Willow (Goat)	11	M	6.2	122
T256	Willow (Crack)	6.5	SM	1.5	7
T257	Willow (Crack)	6.5	SM	5.3	88
T258	Willow (Crack)	4	SM	2.3	16
T259	Willow (Crack)	5	SM	2.3	16
T260	Willow (Crack)	5	SM	2.3	16
T261	Willow (Crack)	5	SM	2.3	16
T262	Willow (Crack)	5	SM	2.3	16
T263	Ash (Common)	8	EM	5.3	88
T264	Willow (Goat)	4	SM	2.9	26
T265	Ash (Common)	7	SM	4.4	62
T266	Oak (English)	17	M	7.2	163
T267	Oak (English)	8	SM	4.8	72
T268	Oak (English)	8	SM	4.8	72
T269	Oak (English)	15	M	7.4	174
T270	Oak (English)	15	M	6.6	137
T271	Oak (English)	9	EM	6.2	209
T272	Oak (English)	16	M	9.6	290
T273	Oak (English)	17	M	10.2	327
T274	Oak (English)	11	M	7.2	163
T275	Ash (Common)	16	M	11.4	408
T276	Oak (English)	5	M	10.2	327
T277	Ash (Common)	4	SM	3.1	31
T278	Oak (English)	4	SM	2	12
T279	Oak (English)	15	EM	8.4	222
T280	Birch (Silver)	14	M	9	254
T281	Ash (Common)	20	M	10.6	350
T282	Oak (English)	17	M	10.8	366
T283	Willow (Goat)	4	SM	2	12
T284	Oak (English)	4	SM	2	12
T285	Willow (Goat)	4	SM	2	12
T286	Oak (English)	15	EM	7.2	163
T287	Oak (English)	4	SM	2	12
T288	Oak (English)	4	SM	2	12
T289	Oak (English)	4	SM	2	12
T290	Willow (Goat)	5	SM	2.3	16
T291	Willow (Goat)	4	SM	2	13
T292	Willow (Goat)	4	SM	2	13
T293	Oak (English)	14	EM	8.2	209
T294	Willow (Crack)	15	M	13.6	578
T295	Ash (Common)	12	M	10	312
T296	Ash (Common)	15	M	8.5	228
T297	Oak (English)	8	SM	3	28
T298	Oak (English)	11	SM	3.6	41
T299	Oak (English)	8	SM	3	28
T300	Oak (English)	8	SM	3	28
T301	Oak (English)	14	M	8.4	275
T302	Oak (English)	12	EM	7	152
T303	Oak (English)	8	SM	4.2	55
T304	Oak (English)	8	SM	3.6	41
T305	Oak (English)	20	M	10.8	366
T306	Willow (Goat)	3	SM	1.5	7
T307	Willow (Goat)	3	SM	1.5	7
T308	Oak (English)	18	M	10.8	366
T309	Oak (English)	5	SM	3	28
T310	Oak (English)	5	SM	6.8	137
T311	Willow (Goat)	5	SM	3	28
T312	Oak (English)	7	SM	2.4	18
T313	Oak (English)	13	EM	6.6	137
T314	Oak (English)	16	M	10.6	350

Tree Ref	Species	Height (m)	Life/Stage	RPA Radius (m)	RPA (m2)
T315	Oak (English)	5	SM	2.4	18
T316	Oak (English)	5	SM	2.4	18
T317	Oak (English)	10	SM	3.2	33
T318	Oak (English)	5	SM	2.6	22
T319	Oak (English)	15	M	10.8	350
T320	Oak (English)	17	M	10.2	327
T321	Oak (English)	17	M	10.6	350
T322	Oak (English)	5	SM	2.4	18
T323	Oak (English)	5	SM	2.4	18
T324	Oak (English)	7	SM	2.4	18
T325	Oak (English)	17	M	10.8	366
T326	Ash (Common)	13	SM	3.8	46
T327	Oak (English)	5	SM	2.6	22
T328	Oak (English)	10	EM	4.2	55
T329	Willow (Goat)	4	SM	2.6	22
T330	Oak (English)	16	M	9	254
T331	Oak (English)	13	M	10.2	327
T332	Willow (Goat)	4	SM	3	28
T333	Oak (English)	12	EM	6.6	137
T334	Oak (English)	13	EM	6.6	137
T335	Oak (English)	14	M	9.6	290
T336	Oak (English)	14	M	9.6	290
T337	Oak (English)	16	M	10.8	366
T338	Oak (English)	14	EM	7.4	174
T339	Oak (English)	16	M	10.2	327
T340	Oak (English)	14	EM	10.2	327
T341	Willow (Grey)	12	M	14.4	651
T342	Oak (English)	10	EM	4.7	69
T343	Oak (English)	12	EM	6.6	137
T344	Willow (Goat)	4	SM	2.5	20
T345	Oak (English)	16	M	9.6	290
T346	Oak (English)	7	SM	7	152
T347	Willow (Goat)	4	SM	4.2	55
T348	Oak (English)	16	M	9.6	290
T349	Oak (English)	14	EM	7.2	163
T350	Oak (English)	13	EM	7.2	163
T351	Oak (English)	16	M	7.8	191
T352	Oak (English)	14	EM	7.2	163
T353	Oak (English)	16	M	9.6	290
T354	Oak (English)	14	EM	6.6	137
T355	Oak (English)	15	M	8.2	209
T356	Oak (English)	13	EM	5.8	104
T357	Oak (English)	16	M	8.6	235
T358	Oak (English)	13	EM	7.2	163
T359	Oak (English)	15	EM	7.2	163
T360	Oak (English)	16	M	9.6	290
T361	Oak (English)	7	SM	3.6	41
T362	Oak (English)	8	M	10.2	327
T363	Oak (English)	14	M	7.8	191
T364	Ash (Common)	11	EM	4.9	76
T365	Willow (Goat)	5	SM	1.5	7
T366	Oak (English)	12	EM	8.6	204
T367	Oak (English)	10	EM	6	113
T368	Oak (English)	8	SM	2.6	22
T369	Oak (English)	6	SM	4.6	137
T370	Ash (Common)	13	M	7.2	163
T371	Oak (English)	8	SM	4.5	65
T372	Ash (Common)	12	M	8.4	55
T373	Pear	6	M	6.8	147
T374	Hawthorn	2	SM	1.1	4
T375	Hawthorn	2	SM	0.6	1
T376	Oak (English)	8	M	10.6	350
T377	Oak (English)	10	EM	8.2	209
T378	Oak (English)	10	EM	6.6	137
T379	Oak (English)	14	EM	7.2	163
T380	Oak (English)	14	EM	7.2	163
T381	Oak (English)	15	M	7.8	191
T382	Oak (English)	15	M	8.4	222
T383	Oak (English)	14	EM	7.2	163
T384	Ash (Common)	15	M	7.8	191
T385	Oak (English)	15	EM	7.9	197
T386	Redwood (Giant)	20	EM	8.4	222
T387	Redwood (Giant)	20	EM	10.7	358
T388	Beech (Copper)	17	M	9.6	290
T389	Poplar (Lombardy)	20	M	9.6	290
T390	Oak (English)	15	M	8.8	241
T391	Oak (English)	13	EM	7.8	191

Hedge Ref	Species	Avg. Height (m)	Life Stage	RPA Radius (m)	RPA (m2)
H1	Hawthorn; blackthorn	4	EM	1.3	5
H2	Hawthorn; blackthorn	2.5	EM	1.3	5
H3	Blackthorn; hawthorn; hazel	2.5	SM	1.3	5
H4	Hawthorn; blackthorn; willow;	4	SM	1.3	5
H5	Hawthorn	3	EM	1.8	10
H6	Hawthorn	3	EM	1.8	10
H7	Hawthorn	3	EM	1.8	10
H8	Hawthorn	3	EM	1.8	10
H9	Hawthorn	3	EM	1.8	10
H10	Blackthorn; hawthorn; bramble	2	SM	1	3
H11	Hawthorn	3	EM	1	3
H12	Hawthorn	3.5	EM	1.1	4
H13	Hawthorn	3	EM	1	3
H14	Hawthorn	3	EM	1	3
H15	Hawthorn	3	M	1.1	4
H16	Hawthorn	3	M	1.1	4
H17	Hawthorn	3	M	1.1	4
H18	Hawthorn; ash; oak	4.5	SM	1.3	5
H19	Hawthorn	3	M	1.1	4
H20	Hawthorn; ash	6	SM	2.2	15
H21	Hawthorn; field maple; elder	6	EM	2.3	16
H22	Hawthorn; alder	4	EM	1.8	10
H23	Hawthorn	4.5	M	1.8	10
H24	Hawthorn; ash	4.5	M	2.2	15
H25	Hawthorn; alder; ash	6	M	2.4	18
H26	Hawthorn; alder	6	M	2.4	18
H27	Hawthorn; ash	4.5	M	1.8	10
H28	Hawthorn; ash; elder	4.5	M	1.8	10
H29	Hawthorn; elder	4.5	M	2	12
H30	Hawthorn	3.5	EM	1.6	8
H31	Hawthorn	3.5	M	1.7	9
H32	Hawthorn; dogrose	3.5	M	1.7	9
H33	Hawthorn; elder	3.5	M	1.8	10
H34	Hawthorn	3.5	M	1.8	10
H35	Hawthorn; elder	3.5	M	1.8	10
H36	Hawthorn; sycamore	8	EM	2.4	18
H37	Hawthorn	3	EM	1	3
H38	Hawthorn	3	EM	1	3
H39	Hawthorn; lime; ash	8	M	2.6	22
H40	Hawthorn	3.5	EM	1.1	4
H41	Hawthorn	3	EM	1.3	5
H42	Hawthorn; lime; ash; sycamore	8	EM	3.6	41
H43	Hawthorn	3.5	M	1.8	10
H44	Hawthorn; sycamore	3	EM	1.3	5
H45	Hawthorn	3	EM	1.1	4
H46	Hawthorn	3.5	EM	1.6	8
H47	Hawthorn; sycamore	3	EM	1.3	5
H48	Hawthorn; goat willow	3	EM	1.7	9
H49	Hawthorn	3	EM	1.1	4
H50	Hawthorn	3	M	1.5	7
H51	Hawthorn	3	EM	1.1	4

Hedge Ref	Species	Avg. Height (m)	Life Stage	RPA Radius (m)	RPA (m2)
H52	Hawthorn	3.5	EM	1.6	8
H53	Hawthorn	3	EM	1.1	4
H54	Hawthorn; sycamore	8	EM	3.6	41
H55	Hawthorn; elder	3	EM	1.1	4
H56	Hawthorn; field maple; elder	3	M	1.5	7
H57	Hawthorn	3	M	1.5	7
H58	Hawthorn	4	EM	1.5	7
H59	Hawthorn; blackthorn	3.5	EM	1.3	5
H60	Hawthorn	3	M	1.5	7
H61	Hawthorn; elder	3.5	EM	1.5	7
H62	Hawthorn; elder	2.5	EM	1.1	4
H63	Hawthorn	4	M	1.8	10
H64	Hawthorn; ash; alder; elder	7.5	EM	2.6	22
H65	Crack willow; ash; alder; hawthorn	12	M	4.5	65
H66	Hawthorn	4	M	1.8	10
H67	Hawthorn; alder; gorse	4	EM	1.3	5
H68	Hawthorn; elder	3.5	M	1.8	10
H69	Gorse; elder	2	EM	1	3
H70	Hawthorn	3.5	EM	1.3	5
H71	Hawthorn	3	M	1.1	4
H72	Hawthorn; elder	3	EM	1.1	4
H73	Hawthorn; blackthorn	3	EM	1.1	4
H74	Hawthorn; elder	4	M	2.4	18
H75	Leylandii	14	EM	4.8	72
H76	Leylandii	1.5	SM	1.3	5
H77	Leylandii	14	EM	4.8	72
H78	Leylandii	1.5	SM	1.3	5
H79	Leylandii	14	EM	4.2	55
H80	Hawthorn; laburnum; holly; elm; elder	6	SM	1.5	7
H81	Hawthorn; blackthorn; elm	6	SM	1.1	4
H82	Hawthorn	2.5	EM	1.1	4
H83	Hawthorn	2.5	EM	1.1	4
H84	Hawthorn	2.5	EM	1.1	4
H85	Hawthorn	2.5	EM	1.1	4
H86	Hawthorn	2.5	EM	1.1	4
H87	Hawthorn	2.5	EM	1.1	4
H88	Hawthorn	2.5	EM	1.1	4
H89	Hawthorn	1.5	M	1.1	4
H90	Leylandii	7	SM	1.8	10
H91	Hawthorn	1.5	M	1.1	4
H92	Hawthorn	1.5	M	1.1	4
H93	Hawthorn	1.5	M	1.1	4
H94	Hawthorn	1.5	M	1.1	4
H95	Hawthorn	1.5	M	1.1	4
H96	Hawthorn	1.5	M	1.1	4
H97	Hawthorn	1.5	M	1.1	4
H98	Hawthorn	1.5	M	1.1	4
H99	Hawthorn	1.5	M	1.1	4
H100	Hawthorn	1.5	M	1.1	4
H101	Hawthorn	1.5	M	1.1	4
H102	Hawthorn	1.5	M	1.1	4

Hedge Ref	Species	Avg. Height (m)	Life Stage	RPA Radius (m)	RPA (m2)
H103	Hawthorn	1.5	M	1.1	4
H104	Hawthorn	1.5	M	1.1	4
H105	Hawthorn	1.5	M	1.1	4
H106	Hawthorn	1.5	M	1.1	4
H107	Hawthorn	1.5	M	1.1	4
H108	Aspen	8	SM	1.8	10
H109	Hawthorn; blackthorn; sycamore	6	M	2.4	18
H110	Hawthorn; blackthorn	6	M	2.4	18
H111	Hawthorn; blackthorn; elder	6	M	2.4	18
H112	Hawthorn; blackthorn	2	EM	1	3
H113	Hawthorn; elder	1.5	EM	1	3
H114	Hawthorn; blackthorn	2	EM	1	3
H115	Hawthorn; blackthorn	2	EM	1	3
H116	Hawthorn; blackthorn	2	EM	1	3
H117	Hawthorn	2.5	EM	1.1	4
H118	Hawthorn; goat willow	4.5	M	1.3	5
H119	Hawthorn; ash; elder	7.5	M	3.3	35
H120	Hawthorn	2.5	SM	1.1	4
H121	Hawthorn	2	EM	1	3
H122	Hawthorn; blackthorn; goat willow; sycamore; ash	5	EM

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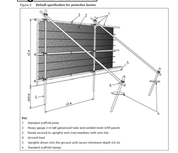

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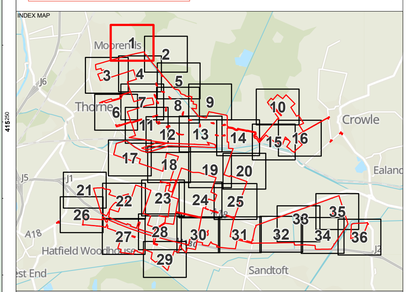

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0 30 60 120 Meters

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	BHA_4861_02

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	DH	2	1 of 36	20/08/2025

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

CLIENT: **RWE**

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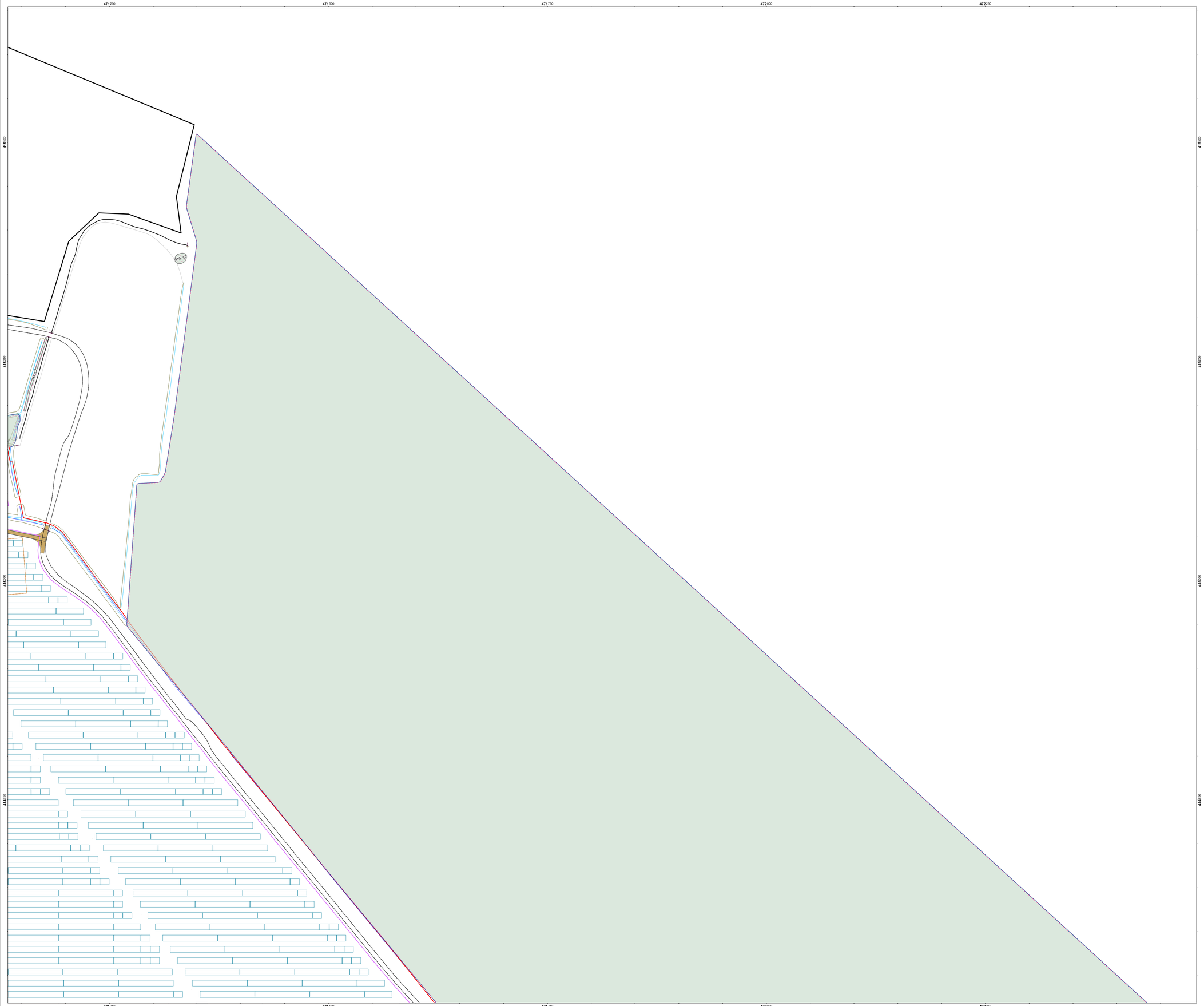

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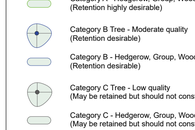

Figure 2 Fence

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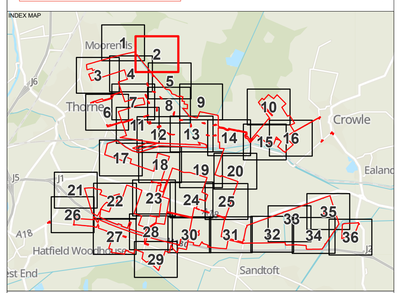

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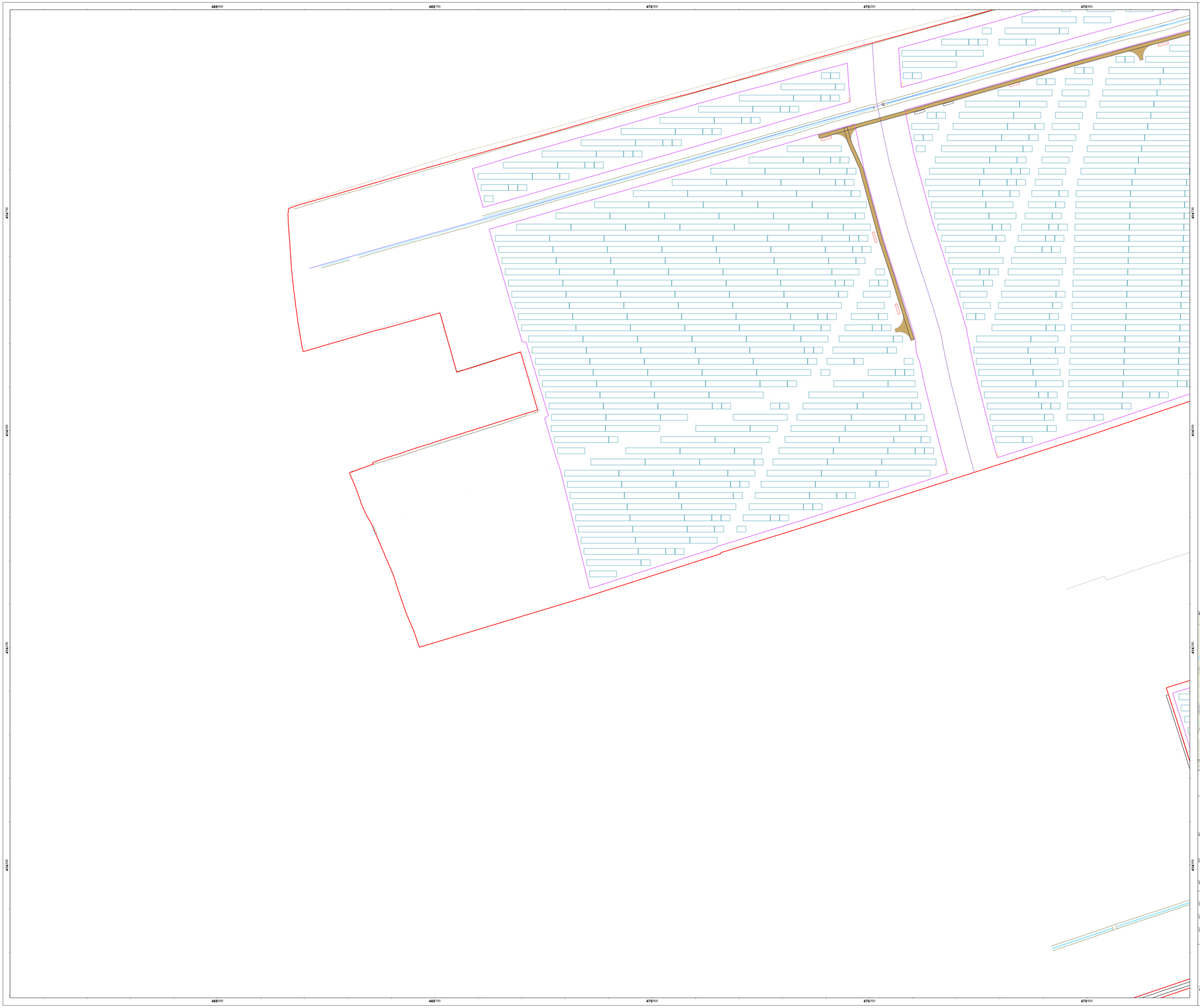

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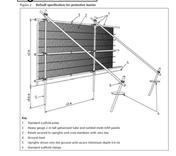

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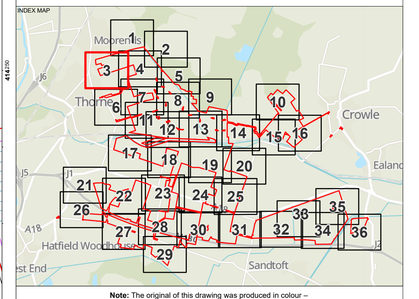

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TH	DH	2	3 of 36	20/08/2025

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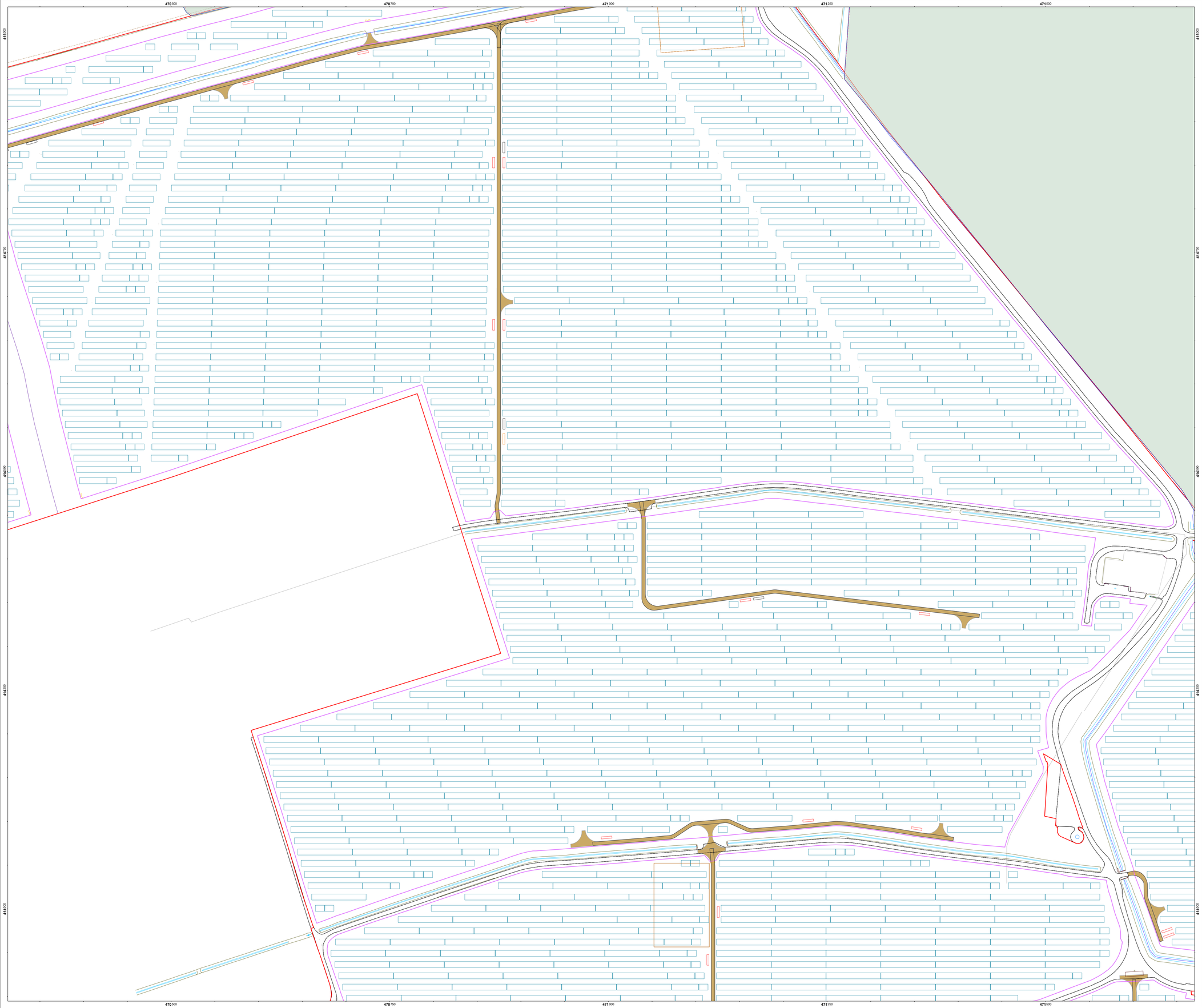

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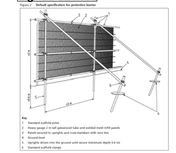

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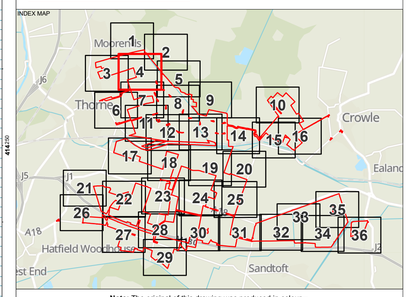

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SCALE			DRAWING NUMBER
Scale: 1:2,000 @ A1			**BHA_4861_02**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	DH	2	4 of 36	20/08/2025

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

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471750 472000 472250 472500 472750

414750 414500 414250 414000 413750

W1 -B2

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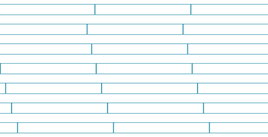

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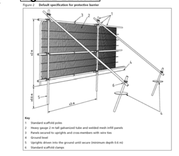

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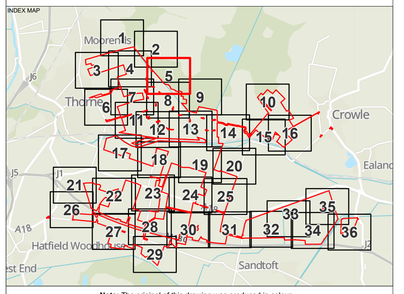

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Arboricultural Consultants
Tel: 01386 576161
Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL

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

KEY

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TN7	4m of Hedgerow removal (H174)

Label	Description
TN8	8m of G107 to be removed (c. 3-4 no. SM Cat C trees)
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TN10	6m of hedgerow removal (H40)
TN11	6m of hedgerow removal H37 (C2)
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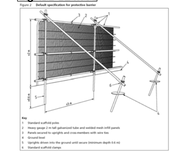
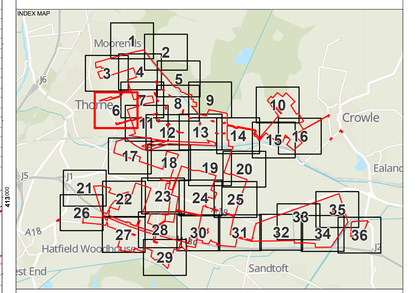
Figure 2 Fence

Source: default specification for protective barrier



INDEX MAP



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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_02**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
TH	**DH**	**2**	**6 of 36**	**20/08/2025**	

COORDINATE SYSTEM / DATUM

British National Grid / Newlyn Datum (AOD)

CLIENT

RWE

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DRAWING PRODUCED BY

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470500 470750 471000 471250 471500

414000 413750 413500 413250

T365 -C1
T368 -B2
T369 -B2
T372 -B2
T371 -B2
G221 -C2
H151 -C2
T376 -B3
T377 -B2
T378 -B2
G222 -C2
T364 -C1
T367 -B1
T366 -B1
T370 -B1
TUMBLE BROOK DRAIN

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CONSTRUCTION EXCLUSION ZONE - NO ENTRY

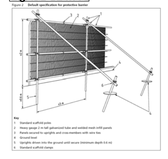
TREE PROTECTION FENCING

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

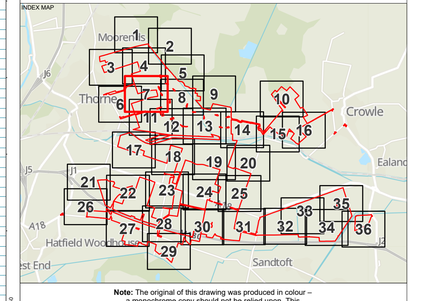
Barton Hyett Associates

Figure 2 Fence

Figure 2 Default specification for protective barrier



INDEX MAP



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0 30 60 120 Meters

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			**BHA_4861_02**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	**DH**	**2**	**7 of 36**	**20/08/2025**

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

CLIENT: **RWE**

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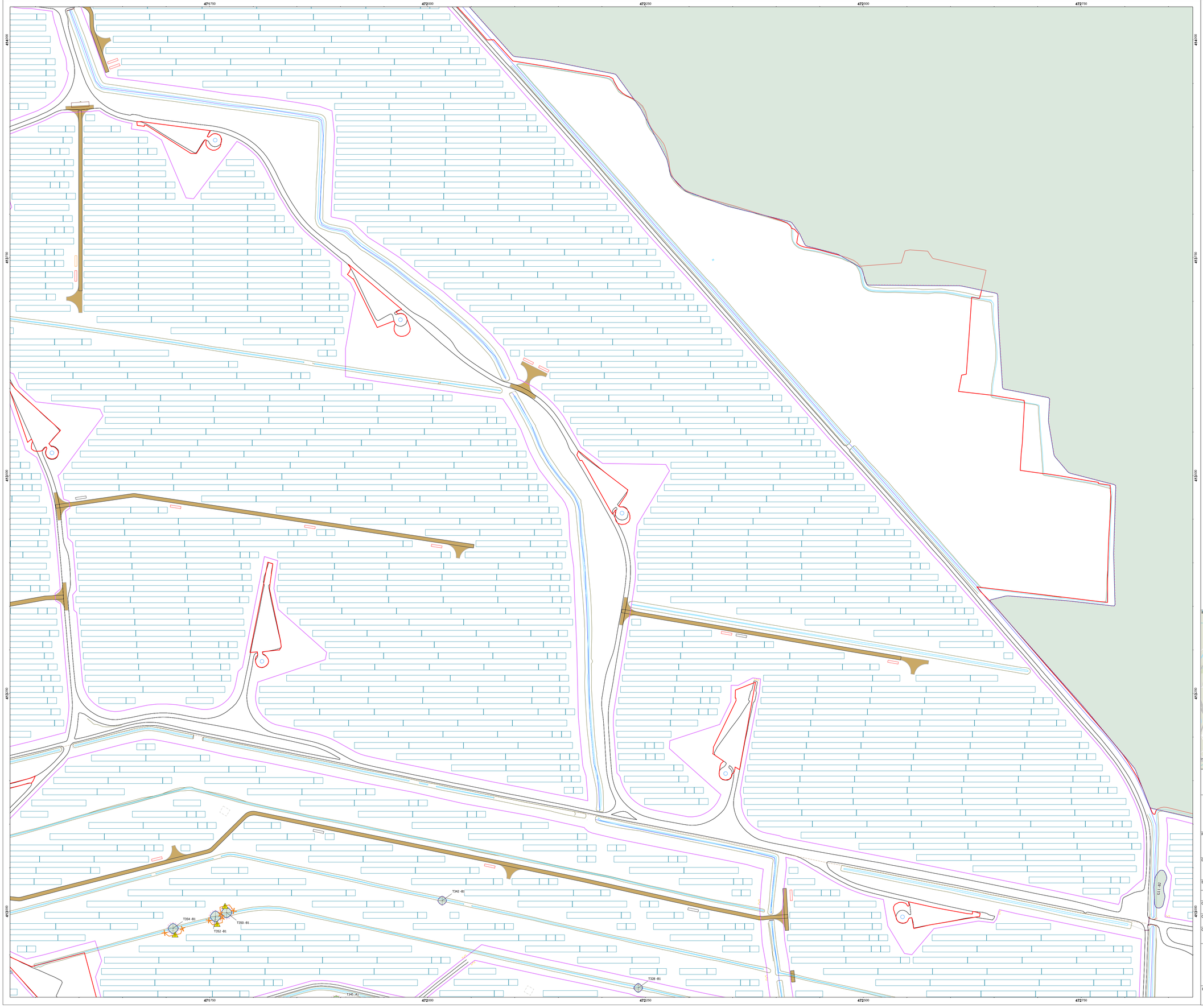

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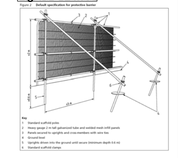
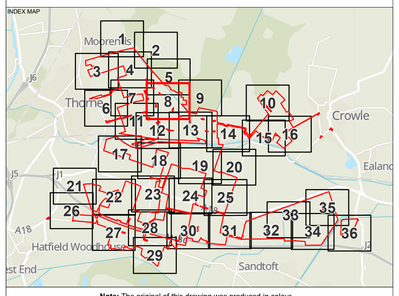
Figure 2 Fence

Source: British Standard for protective fences



Key:
1. Standard scaffold poles
2. Heras panel 2 m tall galvanised tube and welded mesh infill panels
3. Panels secured by wedge and mesh clamps with anti-tilt
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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N
GRID NORTH

0 30 60 120 Meters

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

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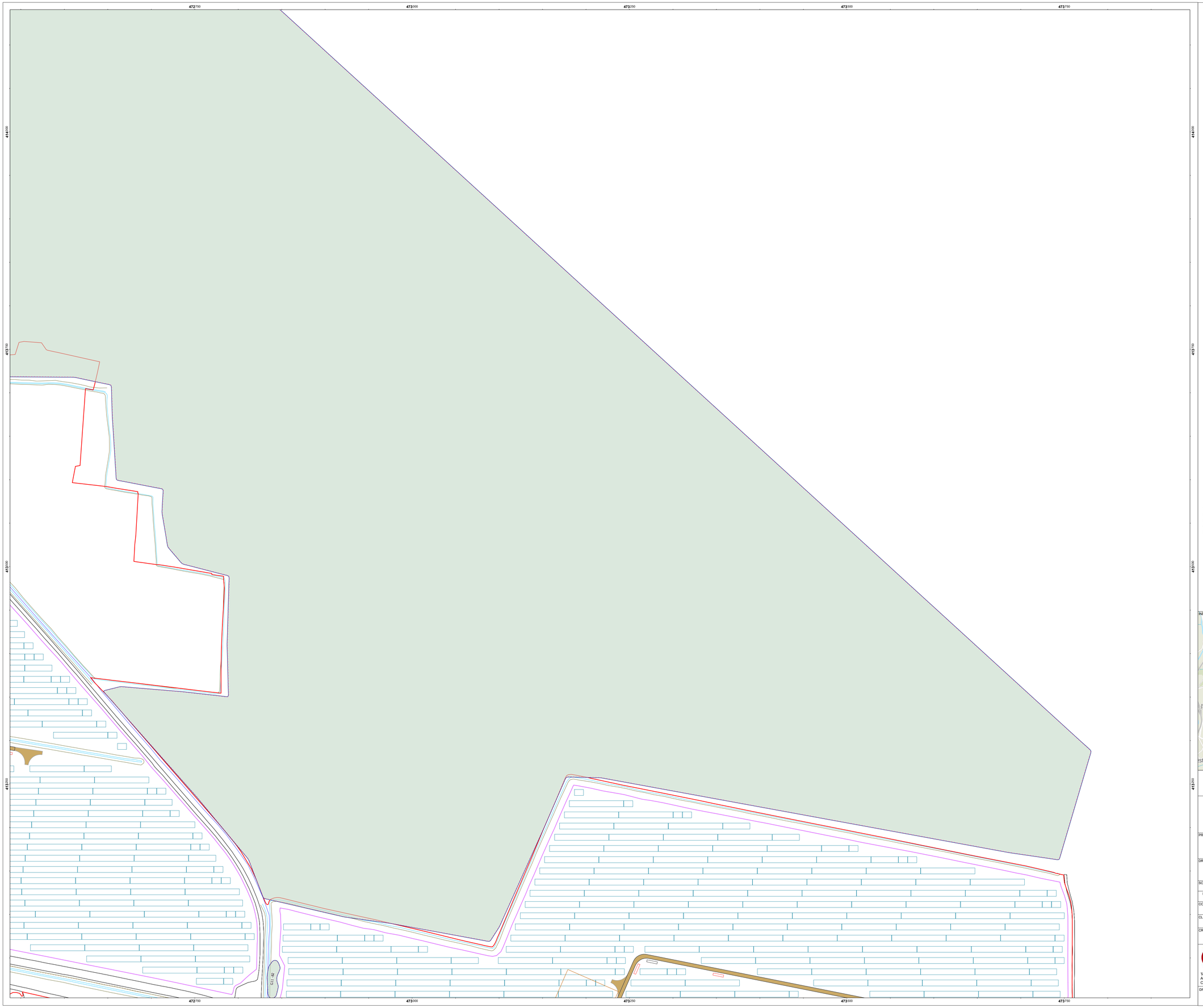

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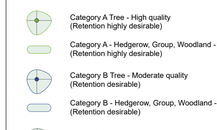
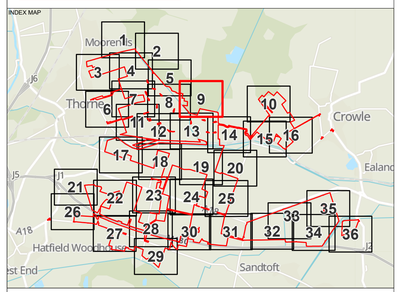


Figure 2 Fence

Figure 2 Default specification for protective barrier

INDEX MAP



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0 30 60 120 Meters

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Tree Retention, Removal and Protection Plan

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Scale: 1:2,000 @ A1				**BHA_4861_02**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
TH	**DH**	**2**	**9 of 36**	**20/08/2025**	

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

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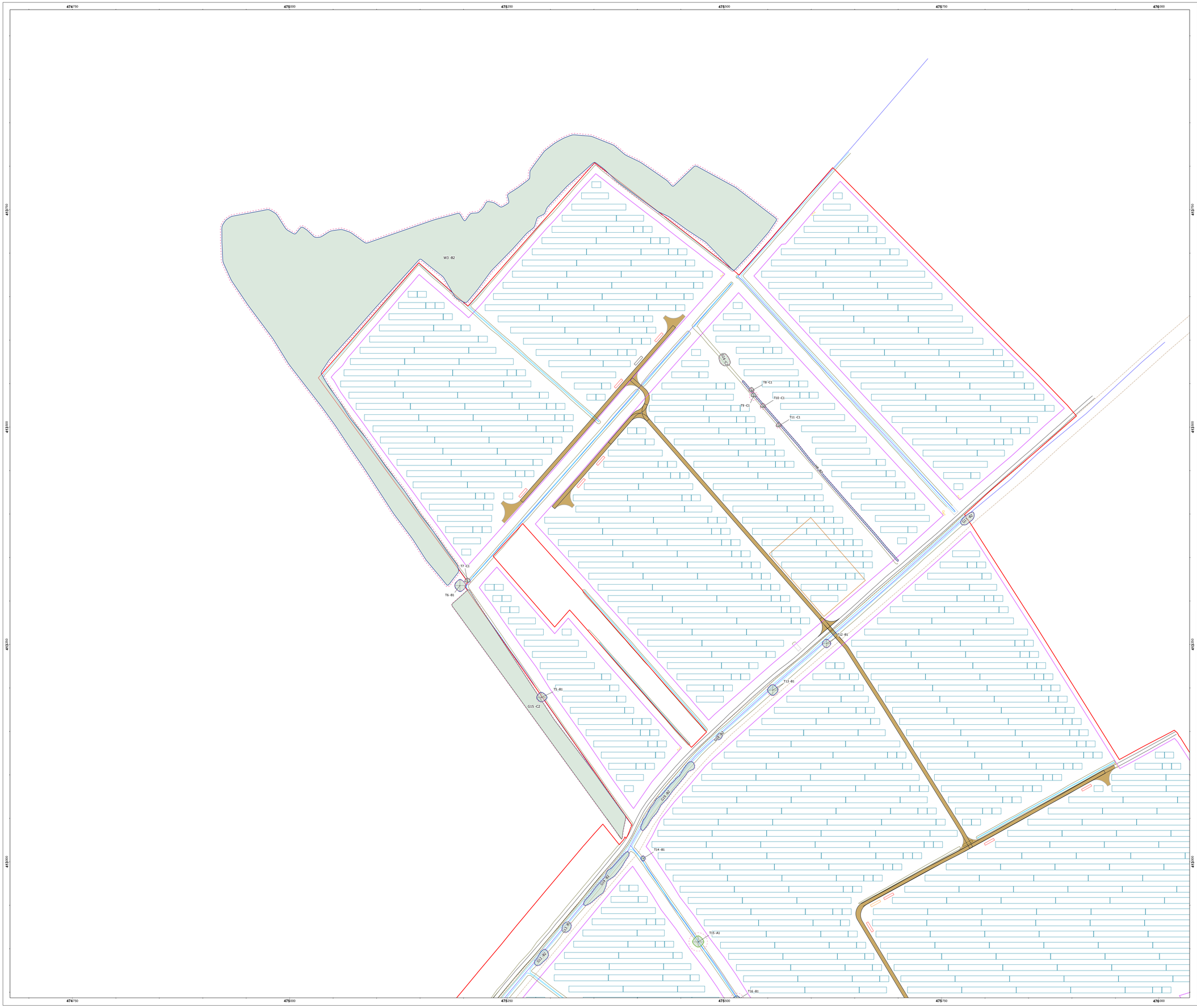

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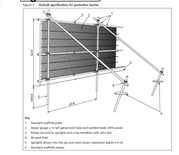

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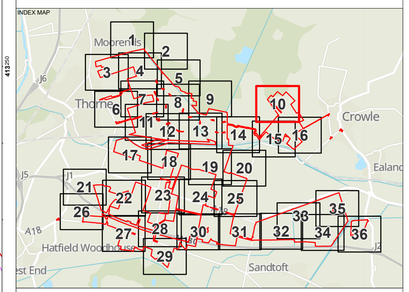

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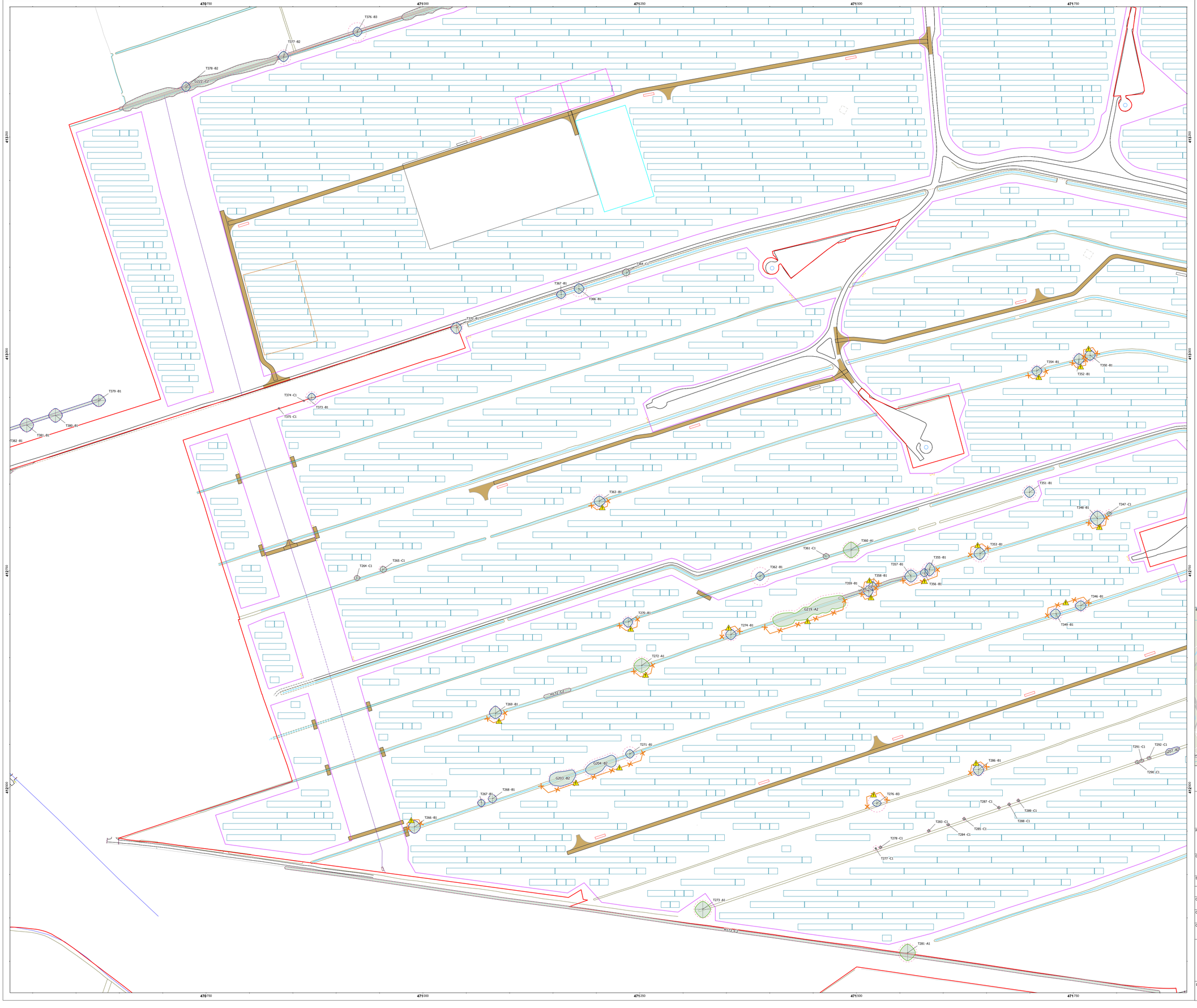

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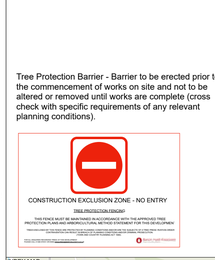
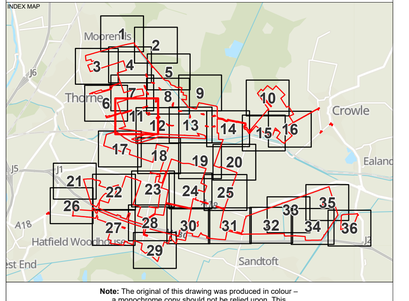


Figure 2 Fence

Figure 2 Default specification for protective barrier

INDEX MAP



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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			**BHA_4861_02**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	**DH**	**2**	**11 of 36**	**20/08/2025**

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

CLIENT: **RWE**

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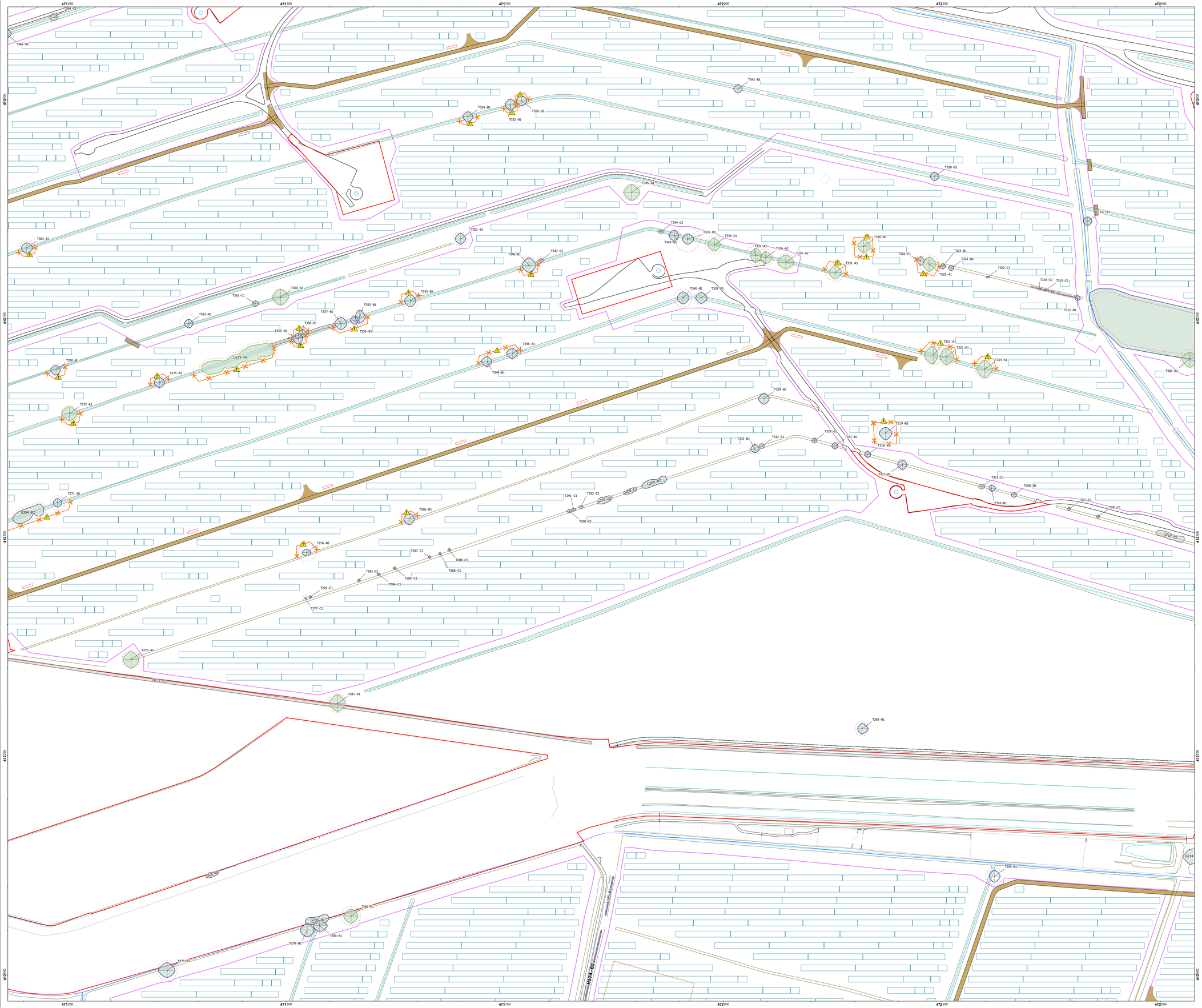
enquiries@barton-hyett.co.uk



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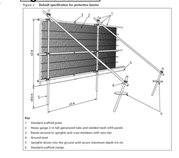

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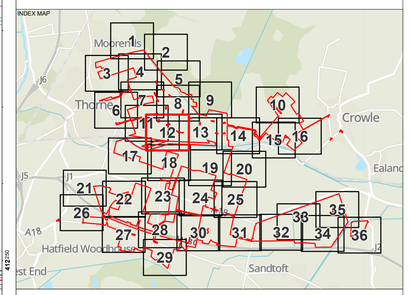

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0 30 60 120 Meters

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			**BHA_4861_02**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	DH	2	12 of 36	20/08/2025

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

CLIENT: **RWE**

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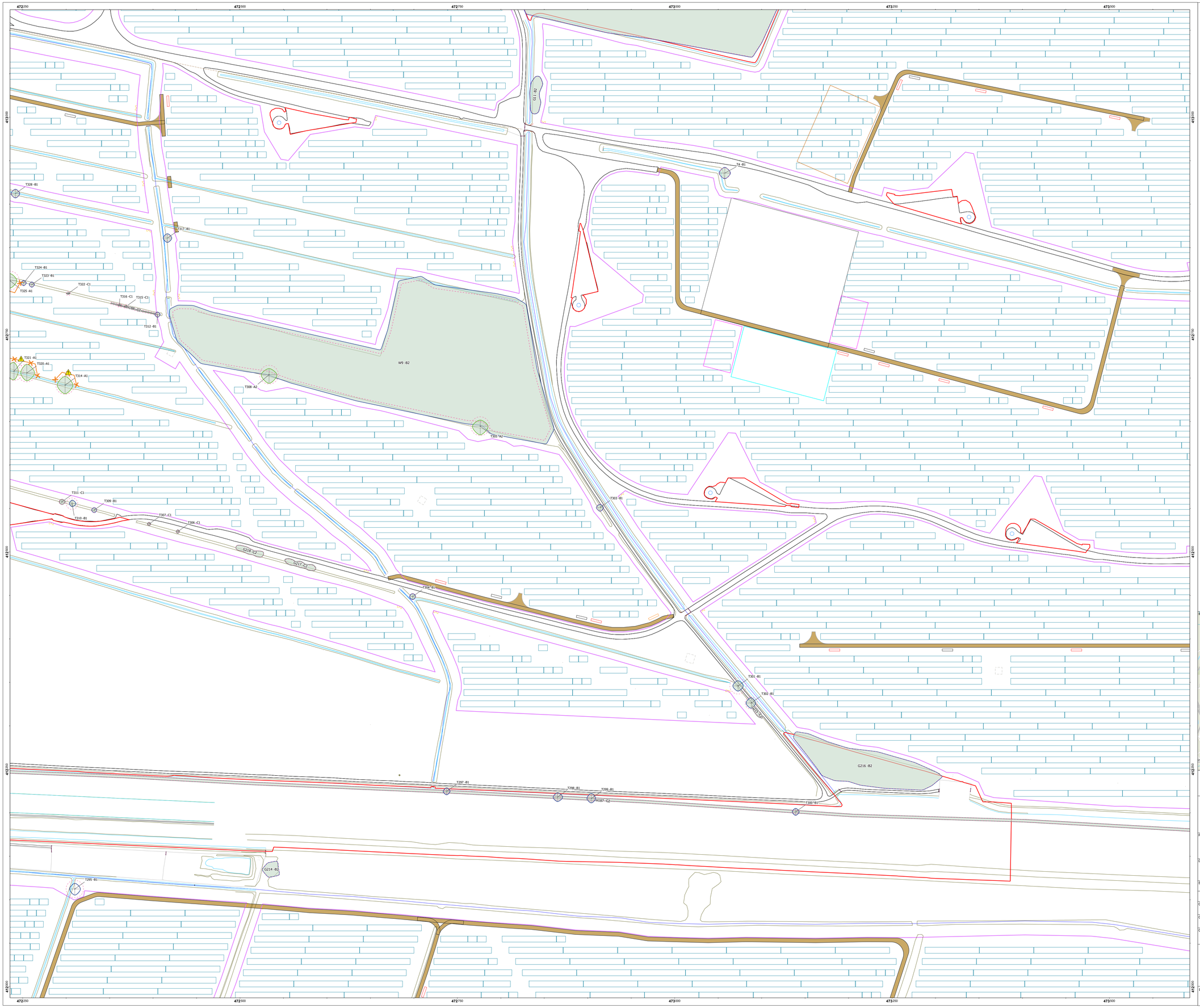

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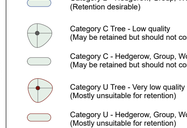

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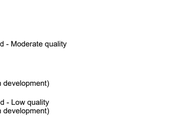

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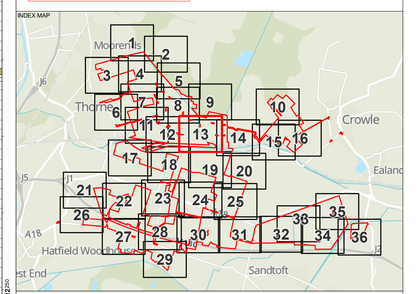

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0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE				DRAWING NUMBER
Scale: 1:2,000 @ A1				BHA_4861_02
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	DH	2	13 of 36	20/08/2025

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

CLIENT: **RWE**

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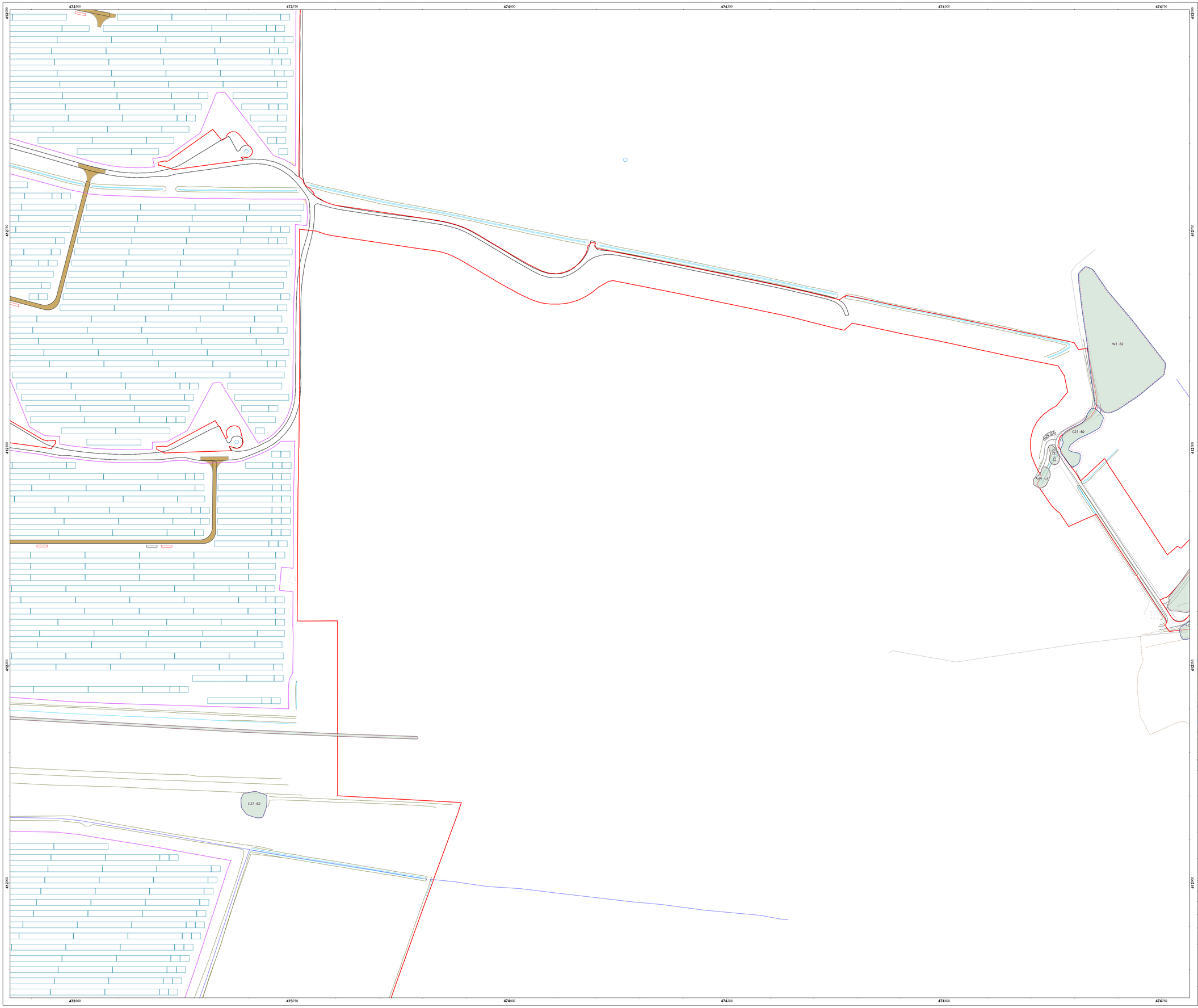

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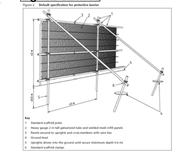
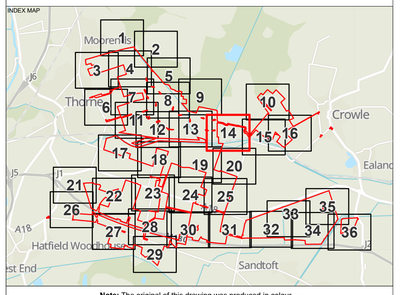


INDEX MAP



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N
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0 30 60 120 Meters

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				BHA_4861_02	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
TH	DH	2	14 of 36	20/08/2025	

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

CLIENT: **RWE**

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DRAWING PRODUCED BY

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474750 475000 475250 475500 475750

412750 412500 412250 412000 411750

W2 -B2
G24 -C2
G23 -B2
G25 -C2
G26 -C2
W4 -B2
G22 -C2
H203 -B2
H10 -G5
T16 -B1
G20 -B3
T24 -C1
T23 -C1
H53
H52
H51
G21 -B2
T22 -C2

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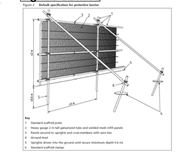

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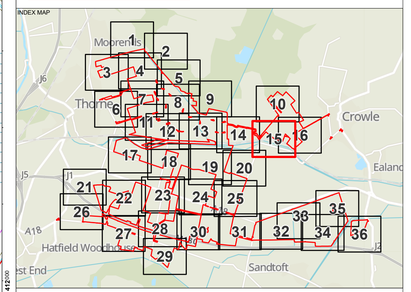

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0 30 60 120 Meters

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Scale: 1:2,000 @ A1			**BHA_4861_02**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	**DH**	**2**	**15 of 36**	**20/08/2025**

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

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475500 475750 476000 476250 476500

412750
412500
412250
412000

T15 -A1
T16 -B1
G20 -B3
T24 -C1
T23 -C1
HDD Launch
HDD Exit
HDD Launch
G23 -B2
T22 -C2
T21 -C2
T20 -C2
T19 -C2
T18 -C2
T17 -C2

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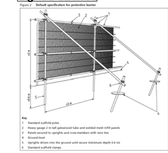
CONSTRUCTION EXCLUSION ZONE - NO ENTRY

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

Figure 2 Fence



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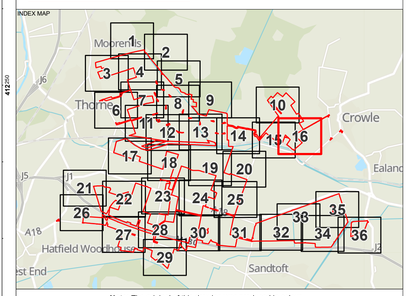

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TH	**DH**	**2**	**16 of 36**	**20/08/2025**	

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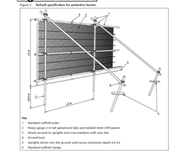
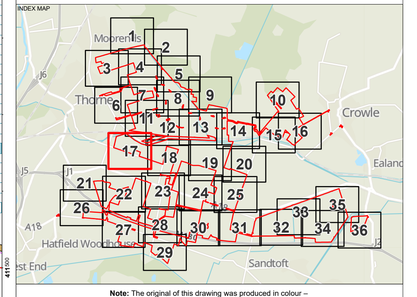
Figure 2 Fence

Figure 2 Default specification for protective barrier



INDEX MAP



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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_02**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
TH	**DH**	**2**	**17 of 36**	**20/08/2025**	

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

CLIENT: **RWE**

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DRAWING PRODUCED BY

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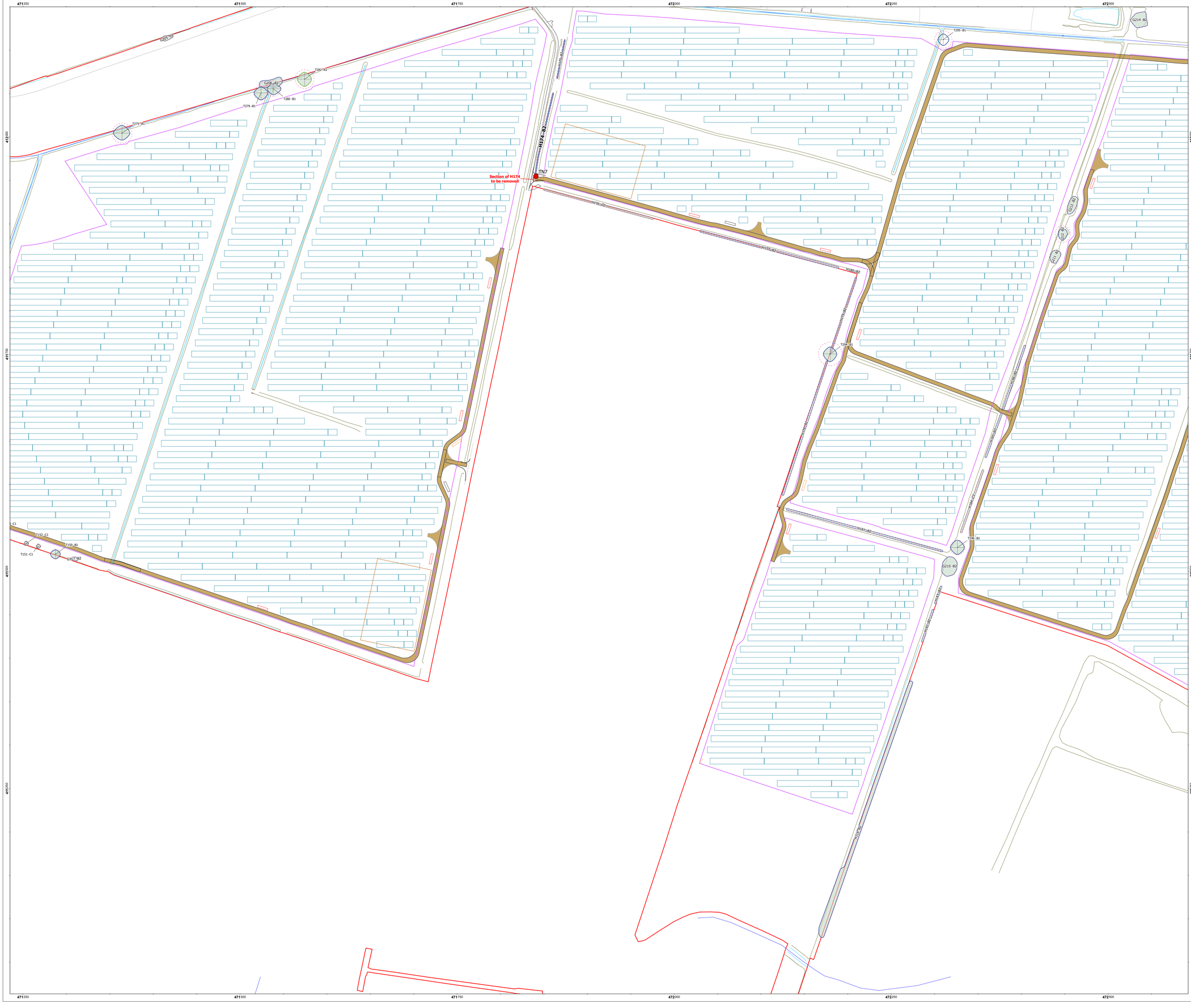

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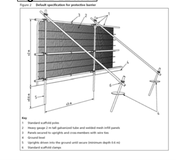

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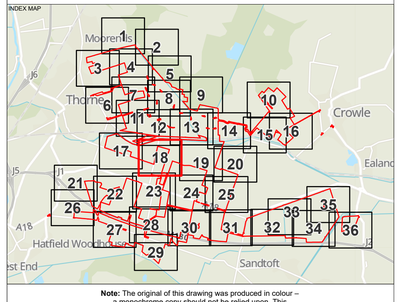

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0 30 60 120 Meters

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Tree Retention, Removal and Protection Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_02**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
TH	**DH**	**2**	**18 of 36**	**20/08/2025**	

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

CLIENT: **RWE**

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DRAWING PRODUCED BY

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472750 473000 473250 473500 473750

411750 411500 411250 411000

H12 .82

H11 .82

G28 .82

G29 .82

H13 .82

H13 .82

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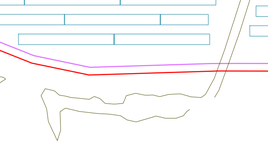

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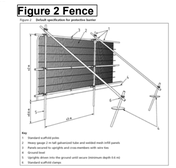

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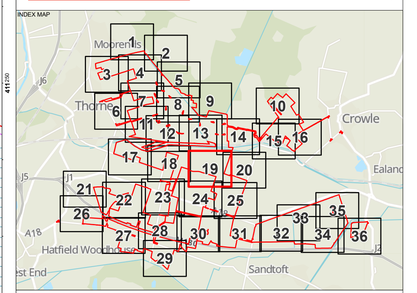

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0 30 60 120 Meters

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DRAWING TITLE

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SCALE			DRAWING NUMBER	
Scale: 1:2,000 @ A1			**BHA_4861_02**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	DH	2	19 of 36	20/08/2025

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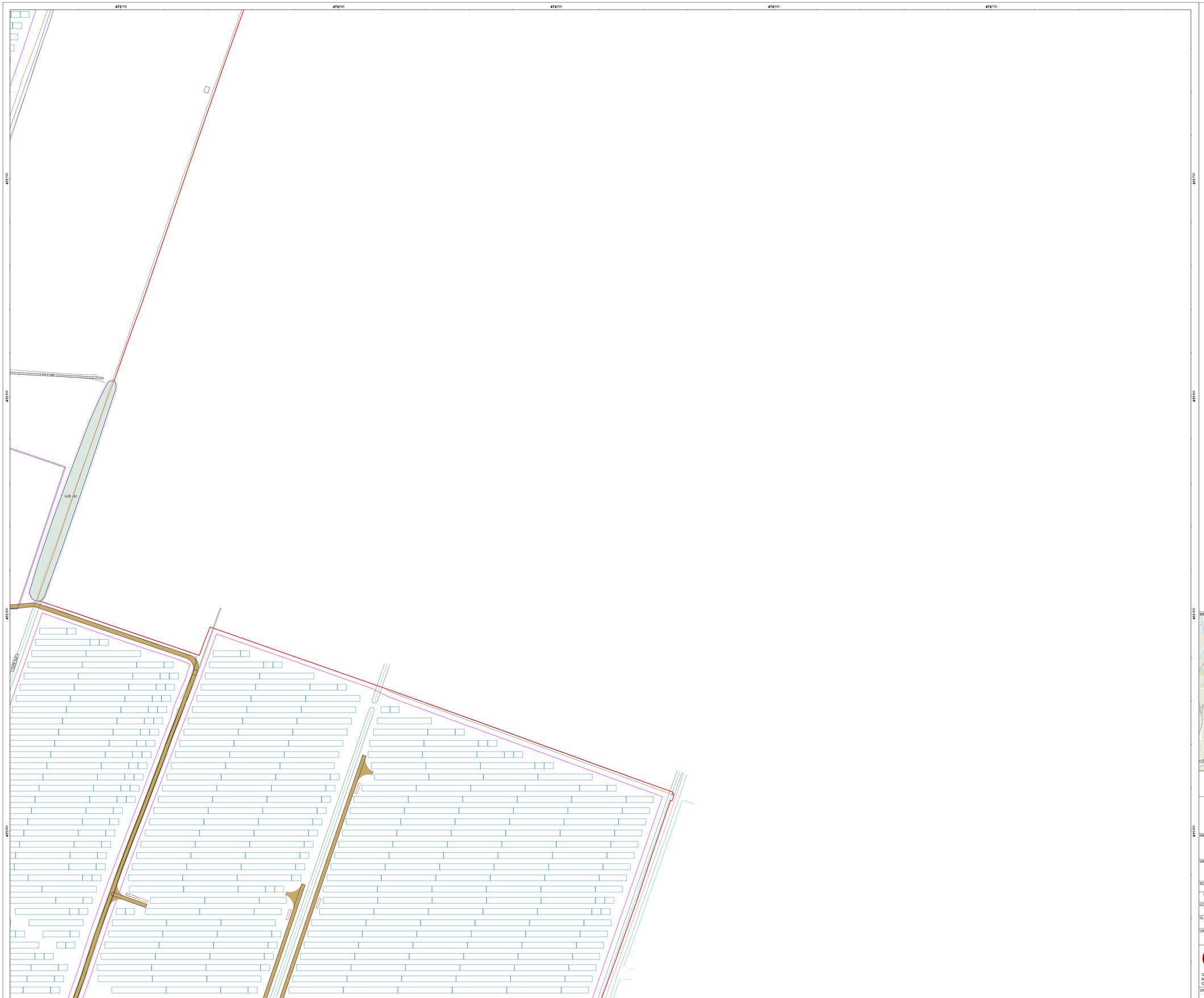

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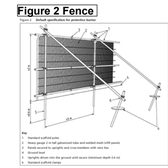
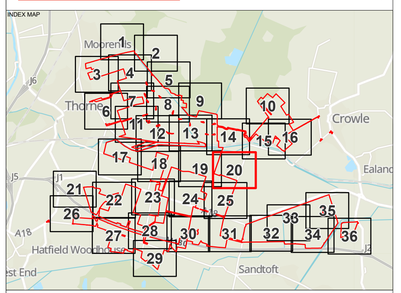


INDEX MAP



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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	BHA_4861_02

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	DH	2	20 of 36	20/08/2025

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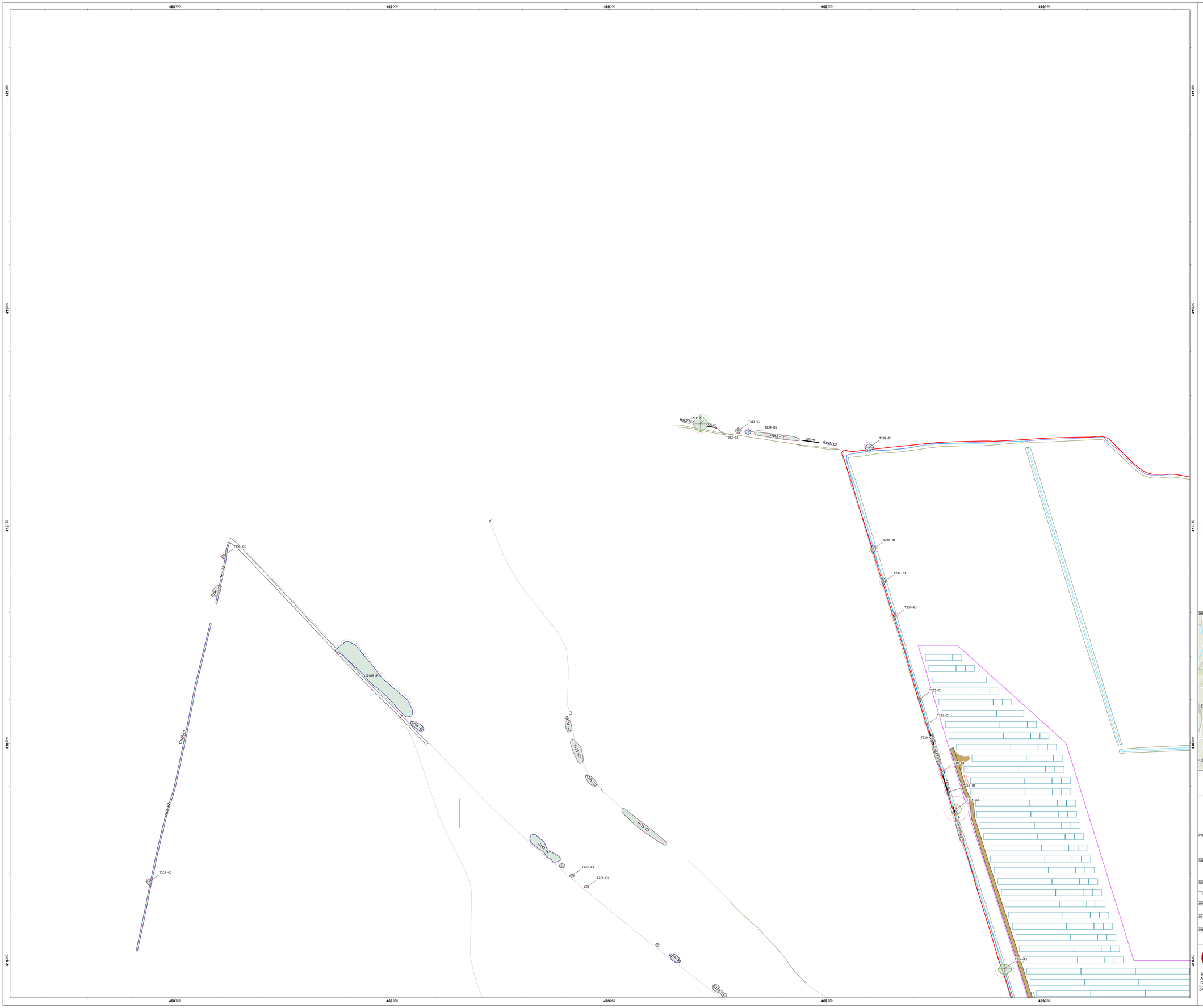

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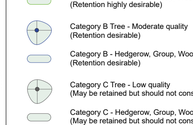

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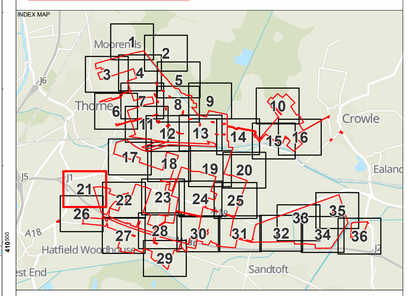

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COORDINATE SYSTEM / DATUM

British National Grid / Newlyn Datum (AOD)

CLIENT

RWE

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470000 470250 470500 470750 471000

410750 410500 410250 410000

G120 -B2
G121 -B2
G122 -B2
H120 -B2
T155 -B1
T156 -B1
T157 -C1
T158 -C1
T159 -C1
T160 -B1
T161 -C1
T162 -C1
T163 -B1
T164 -C1
G119 -C2
G118 -C2
H117 -B2
H119 -C2
H121 -B2
T165 -B1
H117 -B2
H118 -C2
OOS 24
OOS 25
OOS 26
OOS 27
T166 -A1
H116 -C2
G123 -B2
G124 -C2
OOS 28
OOS 29
OOS 30
T167 -B1
T168 -C1
T169 -C3
T170 -B1
G162 -B2
G161 -B2
G160 -B2
T211 -B1
G158 -B2
G157 -B2
T210 -C1
G159 -B2
G166 -B2
G163 -B2
G164 -B2
OOS 43
OOS 42
OOS 41
OOS 40
OOS 39
T209 -C1
T205 -B1
T206 -B1
G126 -B2
G125 -B2
T173 -B1
G128 -B2
G127 -B2
G129 -C2
T174 -B1
T175 -C3

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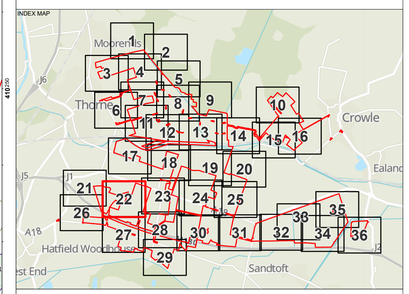
CONSTRUCTION EXCLUSION ZONE - NO ENTRY
TREE PROTECTION FENCING
THIS FENCE MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED TREE PROTECTION PLANS AND ARBORICULTURAL METHOD STATEMENT FOR TREE DEVELOPMENT
Barton Hyett Associates

Figure 2 Fence

Figure 2 Default specification for protective barrier

Key
1. Standard scaffold poles
2. Heras groups 1 or 2 @ galvanised tube and welded mesh infill panels
3. Bands 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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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE			DRAWING NUMBER
Scale: 1:2,000 @ A1			**BHA_4861_02**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	**DH**	**2**	**22 of 36**	**20/08/2025**

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

CLIENT: **RWE**

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Tel: 01386 576161
Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL
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SUMMIT GEO
enquiries@barton-hyett.co.uk

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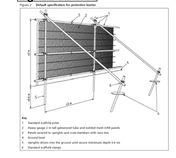

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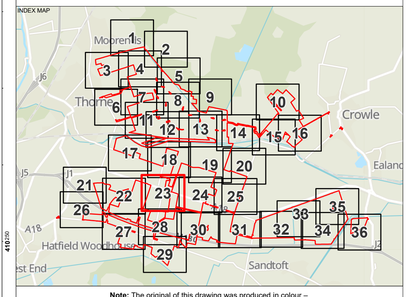

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DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	**DH**	**2**	**23 of 36**	**20/08/2025**

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

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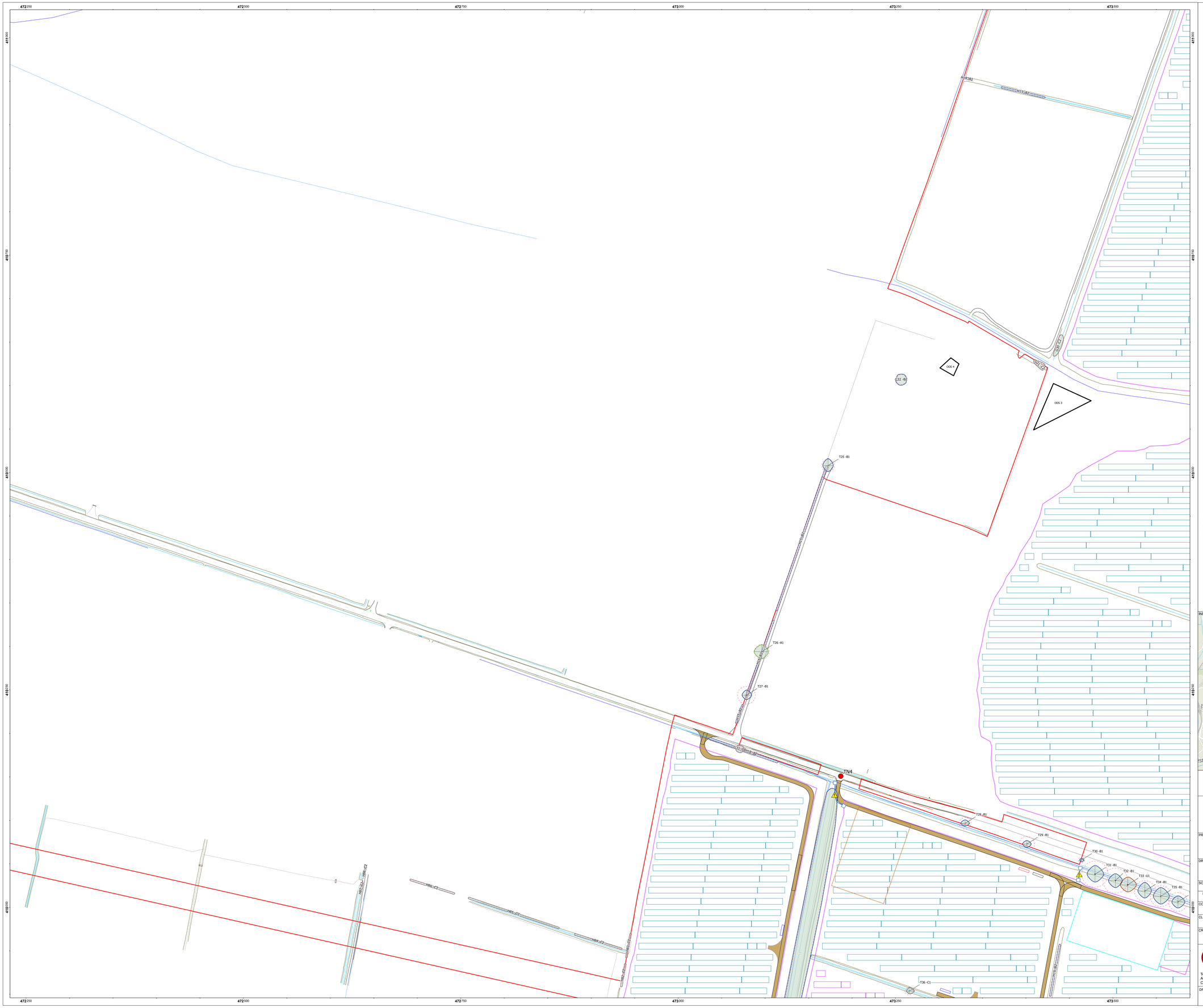

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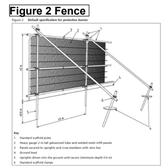

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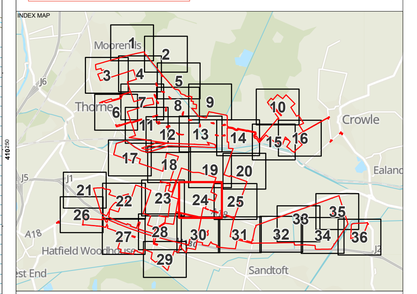

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0 30 60 120 Meters

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	BHA_4861_02

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	DH	2	24 of 36	20/08/2025

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

CLIENT: **RWE**

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enquiries@barton-hyett.co.uk

473500 473750 474000 474250 474500

419750 419500 419250 419000

OOS 1

OOS 2

OOS 3

T28 -B1 T29 -B1 T30 -B1 T31 -B1 T32 -B1 T33 -U1 T34 -B1 T35 -B1 T37 -B1 T38 -B1 TN3 T39 -B1 G34 -B2 T42 -B1 G42 -B2 G41 -B2 T45 -C1 T46 -B1 T47 -B1 T48 -C1 T53 -B1 T41 -B1

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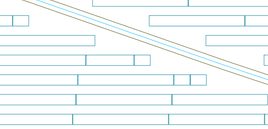

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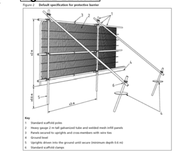
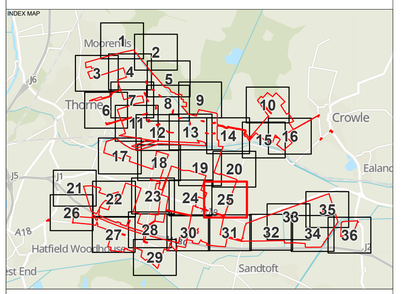


INDEX MAP



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Scale: 1:2,000 @ A1			**BHA_4861_02**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	**DH**	**2**	**25 of 36**	**20/08/2025**

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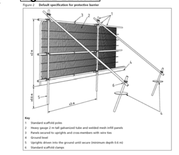

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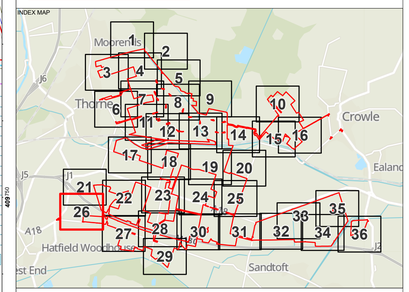

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DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	**DH**	**2**	**26 of 36**	**20/08/2025**

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CONSTRUCTION EXCLUSION ZONE - NO ENTRY

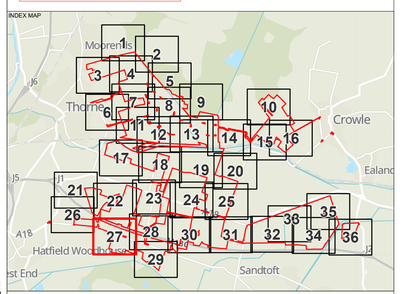
TREE PROTECTION ZONE

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

Barton Hyett Associates

Figure 2 Fence

INDEX MAP



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DRAWING PRODUCED BY

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471000 471250 471500 471750 472000 472250

410000 409750 409500 409250 409000 408750

G138 -C2
G137 -B2
H137 -B2
H137 -C2
H137 -B1
H135 -C2
Section of H135 to be removed
TN13
H135 -B2
H139 -B1
T184 -C1
T186 -B1
T187 -C1
T188 -C1
Section of H138 to be removed
TN6
H138 -C2
H138 -C1
T189 -C1
T190 -B1
TN5
T192 -B1
T191 -B1
G142 -U
G143 -C2
H4 -B2
H140 -C2
H140 -C1
G140 -B2
T189 -B1
T146 -C3
G115 -B2
G117 -B2
G114 -B2
H110 -B2
H100 -B2
T143 -C1
T142 -C3
T141 -C1
T140 -C3
T139 -B1
G113 -B2
H109 -B2
T131 -A1
H109 -B2
T130 -C1
T129 -B1
H109 -B2
T128 -B3
T127 -C1
T126 -C3
H109 -B2
T125 -B1
T124 -B3
T123 -B1
OOS 35
OOS 32
OOS 33
OOS 34

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TN1	14m of hedgerow removal (H61)
TN2	Existing farm track to be utilised and improved
TN3	HDD Launch and Receiver pits to be outside of RPAs
TN4	HDD Launch and Receiver pits to be outside of RPA for G59
TN5	Track through RPA not anticipated to result in additional impacts due to the current agricultural use of the field
TN6	6.5m of hedgerow removal (H138)
TN7	4m of Hedgerow removal (H174)
TN8	8m of G107 to be removed (c. 3-4 no. SM Cat C trees)
TN9	Ditch separates the T144 from the track and access bell mouth
TN10	6m of hedgerow removal (H40)
TN11	6m of hedgerow removal H37 (C2)
TN12	Some lateral reduction or crown raising of low branches may be necessary to install the culvert and tree protection
TN13	12m of Hedgerow removal (H135)
TN14	An early mature to mature common ash tree may require crown raising to provide c.5m ground clearance over an existing field access point

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).

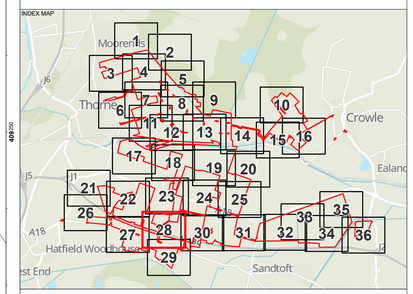
CONSTRUCTION EXCLUSION ZONE - NO ENTRY
TREE PROTECTION FENCING
THIS FENCE MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED TREE PROTECTION PLANS AND ARBORICULTURAL METHOD STATEMENT FOR THIS DEVELOPMENT
Barton Hyett Associates

Figure 2 Fence

Figure 2 Default specification for protective barrier

Key
1. Standard scaffold poles
2. Heras (group 1 or 2) self-galvanised tube and welded mesh infill panels
3. Bands 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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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE
Tween Bridge, Goole (4861)

DRAWING TITLE
Tree Retention, Removal and Protection Plan

SCALE			DRAWING NUMBER
Scale: 1:2,000 @ A1			**BHA_4861_02**
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	**DH**	**2**	**28 of 36**	**20/08/2025**

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

CLIENT: **RWE**

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Arboricultural Consultants
Tel: 01386 576161
Address: Office 11, Unit 22 Lansdown Industrial Estate, Cheltenham, GL51 8PL
DRAWING PRODUCED BY
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enquiries@barton-hyett.co.uk

471250 471500 471750 472000 472250

409300 409050 408750

T389 -B1

T391 -B1

T390 -A1

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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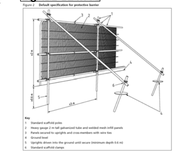
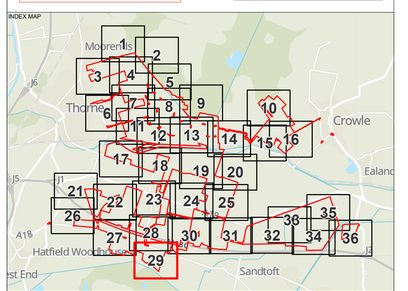
Figure 2 Fence

Figure 2 - default specification for protective barrier



INDEX MAP



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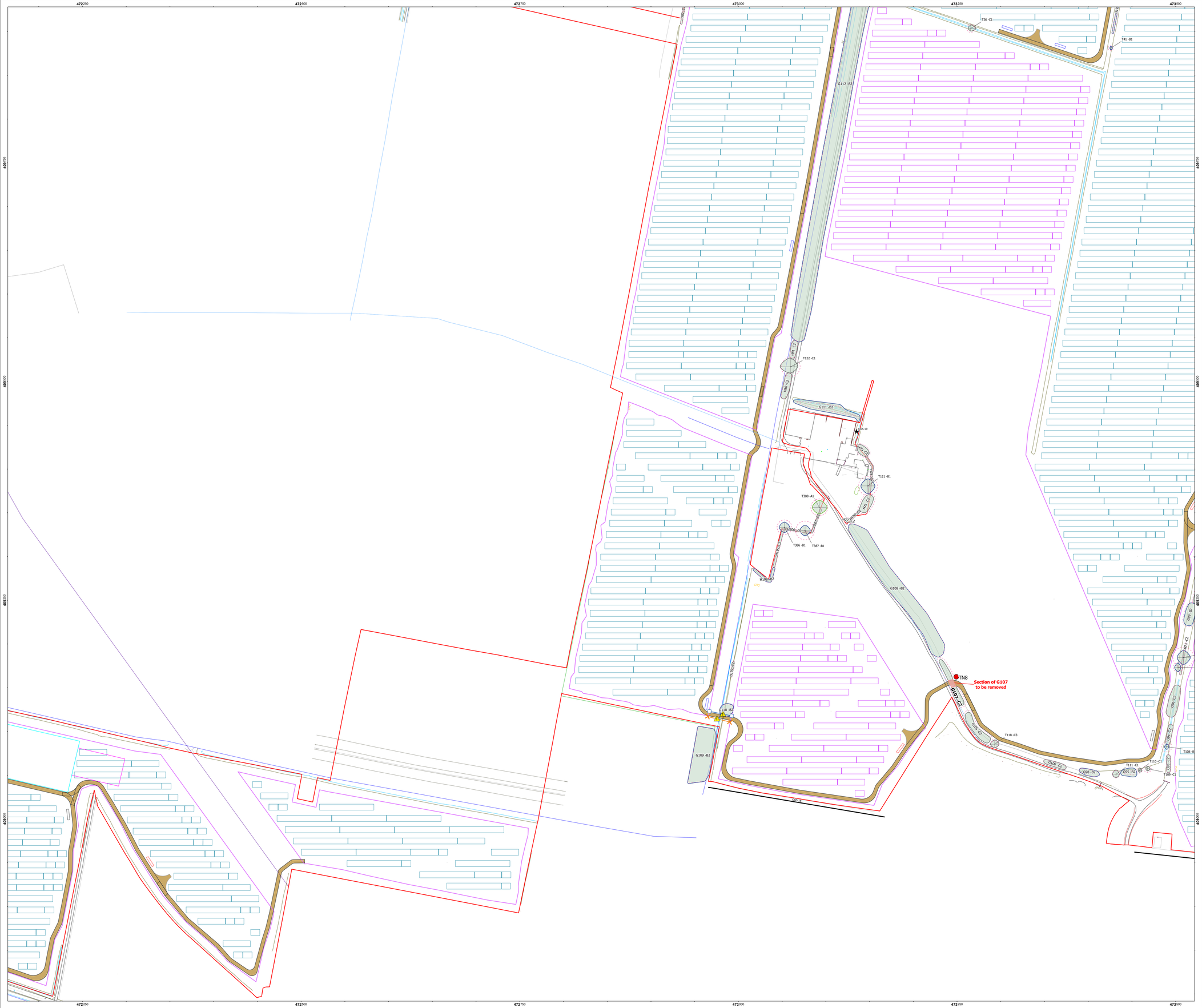

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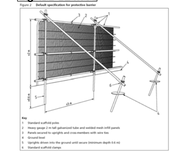
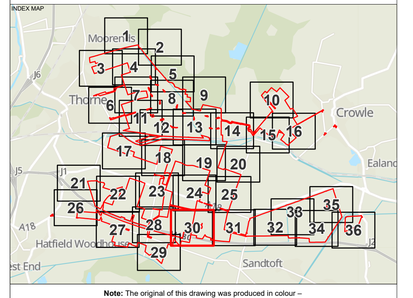
Figure 2 Fence



INDEX MAP



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N
GRID NORTH

0 30 60 120 Meters

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	BHA_4861_02

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
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473500
473750
474000
474250
474500
474750
409750
409500
409250
T55 -C1
T54 -B1
T2
T50 -C1
T51 -B1
T49 -C3
T106 -B1
T107 -B1
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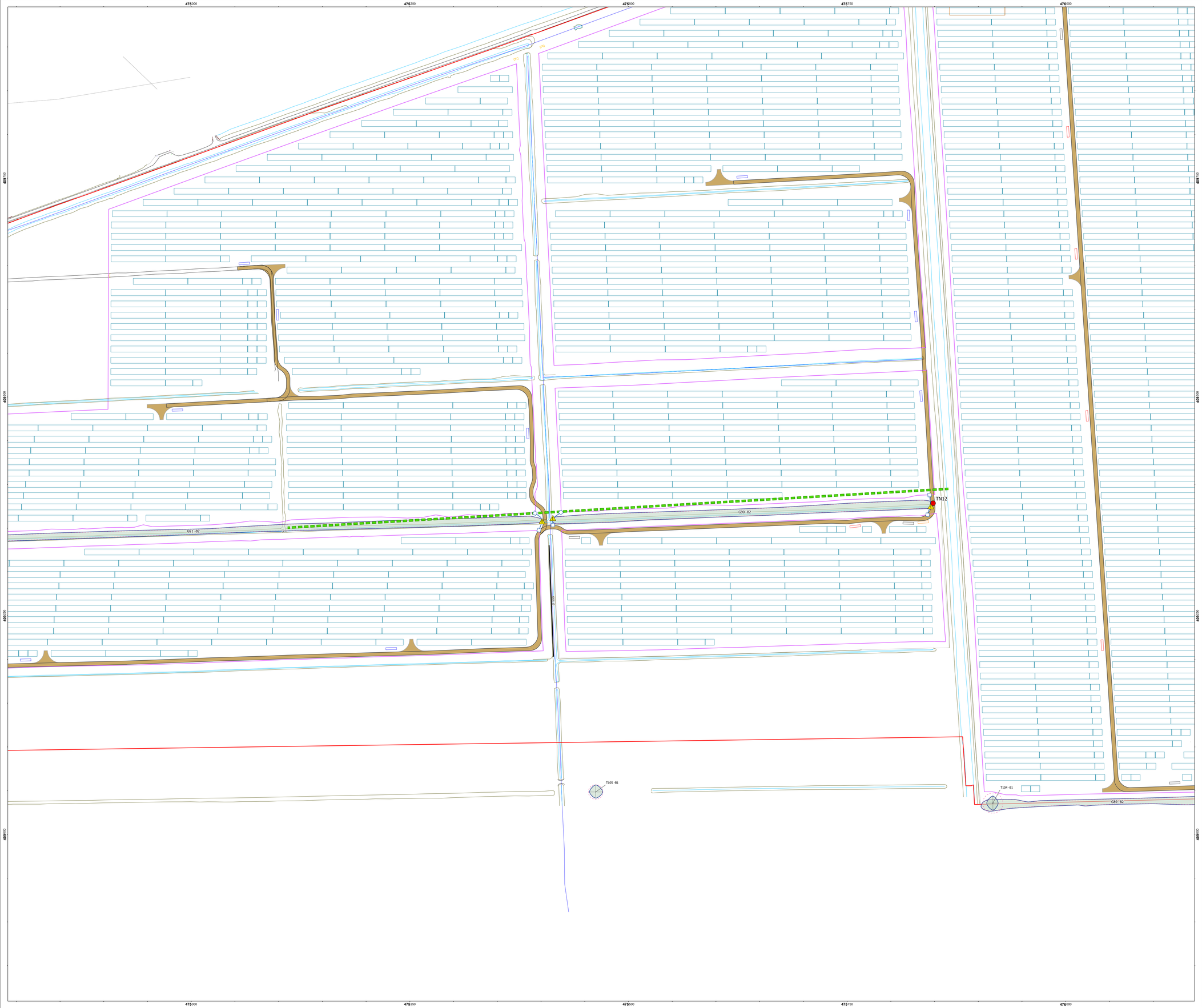

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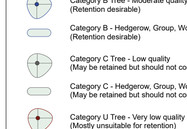
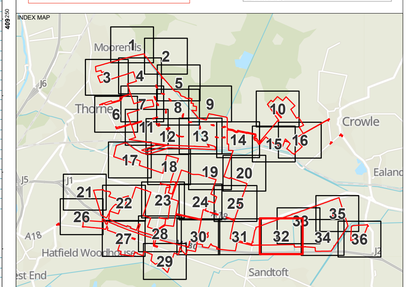


Figure 2 Fence

INDEX MAP



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N
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0 30 60 120 Meters

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Tween Bridge, Goole (4861)

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Tree Retention, Removal and Protection Plan

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Scale: 1:2,000 @ A1	BHA_4861_02

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475500 475750 476000 476250 476500

410250 410000 409750 409500

G50 -B2

G49 -B2

G47 -B2

G79 -B2

G78 -B2

G77 -B2

G76 -B2

G90 -B2

T101 -C2

T102 -B2

G85 -B2

G84 -B2

G83 -B2

T99 -B2

G81 -B2

T103 -B1

TN12

TN2

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CONSTRUCTION EXCLUSION ZONE - NO ENTRY

TREE PROTECTION ZONE/RPA

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

Barton Hyett Associates

Figure 2 Fence

Source: Arboricultural Association Guidance

Key
1. Standard scaffold poles.
2. Heavy gauge 2.4 m tall galvanised tube and welded mesh infill panels.
3. Panels secured to the uprights and braced/stabilised with ties.
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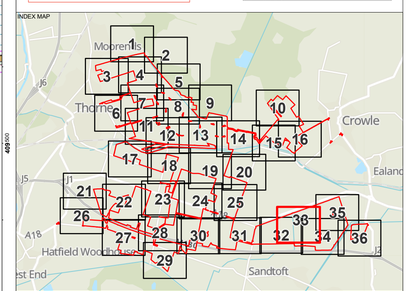

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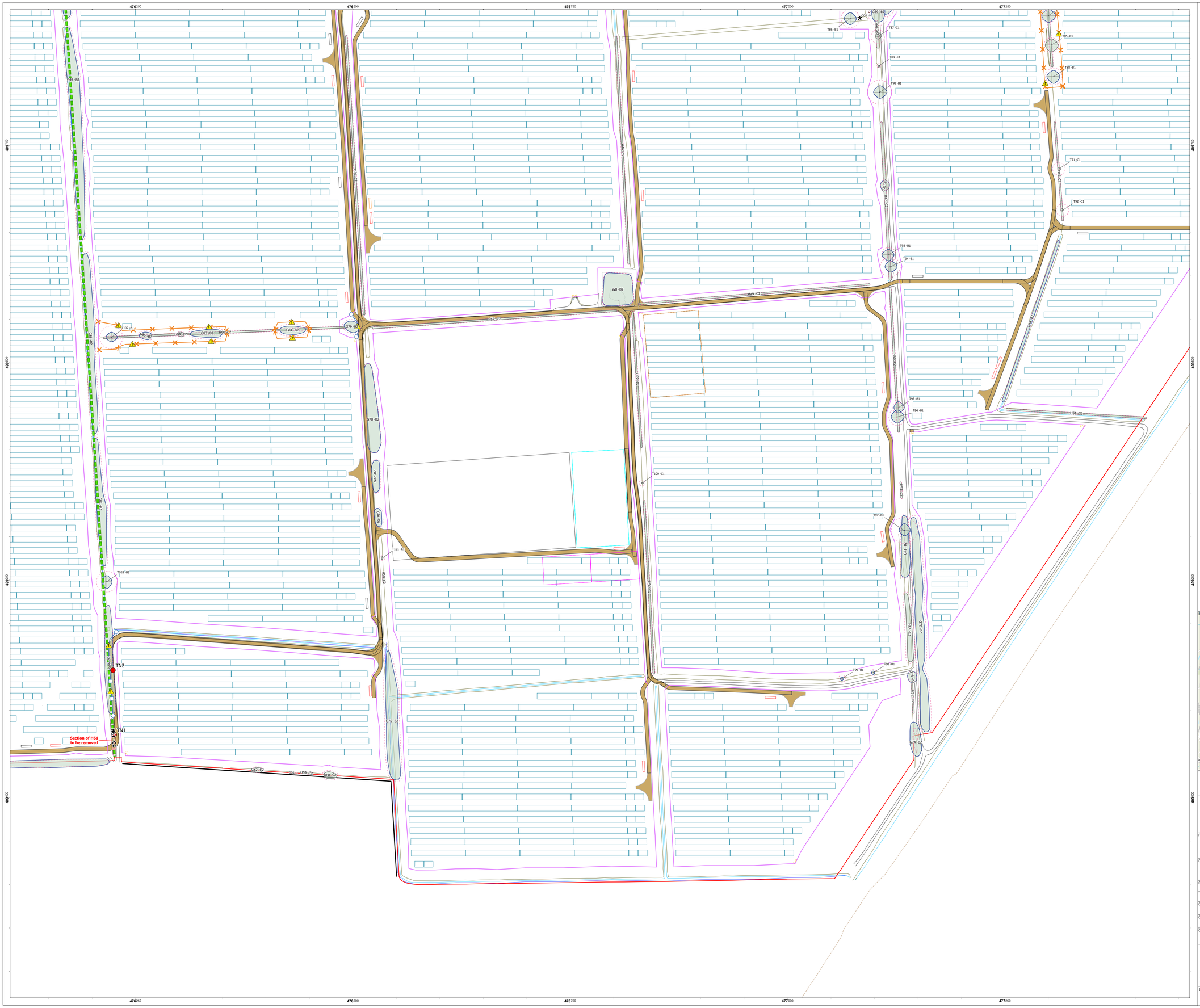

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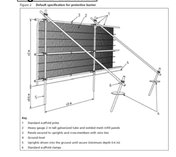
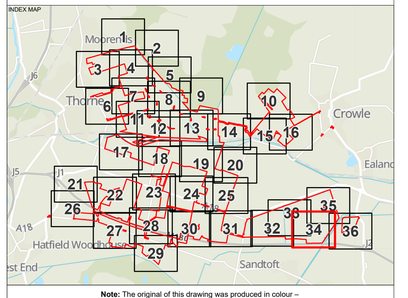
Figure 2 Fence

Figure 2 Default specification for protective barrier



INDEX MAP



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N
GRID NORTH

0 30 60 120 Meters

PROJECT TITLE

Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE				DRAWING NUMBER	
Scale: 1:2,000 @ A1				**BHA_4861_02**	
DRAWN BY	APPROVED BY	REVISION	SHEET	DATE	
TH	**DH**	**2**	**34 of 36**	**20/08/2025**	

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

CLIENT: **RWE**

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Tel: 01386 576161
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DRAWING PRODUCED BY

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enquiries@barton-hyett.co.uk

476790 477000 477250 477500 477750

410500 410250 409750

Section of H37 to be removed

Section of H40 to be removed

TN10 TN11

H37 -C2 H40 -C2 H42 -C2 H35 -C2 H34 -C2 H33 -C2 H32 -C2 H49 -C2

T57 -B1 T64 -B1 T63 -C1 T62 -C1 T61 -B1 T60 -B1 T59 -B1 T58 -C1 T56 -B1 T74 -C1 T76 -A1 T78 -C1 T65 -B1 T66 -B1 T72 -A1 T73 -A1 T77 -A1 T80 -B1 T75 -B1 T79 -B1 T81 -B1 T82 -C1 T83 -C1 T84 -B1 T85 -C1 T88 -B1 T90 -B1 T91 -C1 T92 -C1 T93 -B1 T94 -B1 T86 -B1 T87 -C1 T89 -C1 T68 -B1 T69 -B1 T70 -B1 T71 -B1 T67 -B1

G55 -B2 G54 -B2 G56 -B2 G58 -B2 G57 -B2 G51 -C2 G52 -B2 G53 -B2 G59 -B2 G60 -B2 G61 -C2 G55 -B2 G66 -B2 G67_B2 G68 -B2 G69 -B2

H41 -C2 H39 -C2 H38 -C2 H36 -C2

W5 -A2 W6 -B2 W7 -A2 W8 -B2

OOS 7 OOS 8 OOS 9 OOS 10

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)
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- 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
- Tree / Hedgerow / Group to be removed

Protection Measures

- Tree Protection Barrier (Figure 2)
- Post & Rope Tree Protection Barrier

- All weather information notices to read 'Construction Exclusion Zone - No Entry' A3 in size. To be attached to tree protection barriers at regular intervals
- Target Note
- Security Perimeter Fencing
- Track
- Important Hedgerow

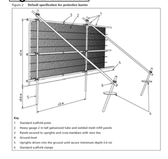
Target Notes

Label	Description
TN1	14m of hedgerow removal (H61)
TN2	Existing farm track to be utilised and improved
TN3	HDD Launch and Receiver pits to be outside of RPAs
TN4	HDD Launch and Receiver pits to be outside of RPA for G59
TN5	Track through RPA not anticipated to result in additional impacts due to the current agricultural use of the field
TN6	6.5m of hedgerow removal (H138)
TN7	4m of Hedgerow removal (H174)
TN8	8m of G107 to be removed (c. 3-4 no. SM Cat C trees)
TN9	Ditch separates the T144 from the track and access bell mouth
TN10	6m of hedgerow removal (H40)
TN11	6m of hedgerow removal H37 (C2)
TN12	Some lateral reduction or crown raising of low branches may be necessary to install the culvert and tree protection
TN13	12m of Hedgerow removal (H138)
TN14	An early mature to mature common ash tree may require crown raising to provide c.5m ground clearance over an existing field access point

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 Fence

Figure 2 Default specification for protective barrier



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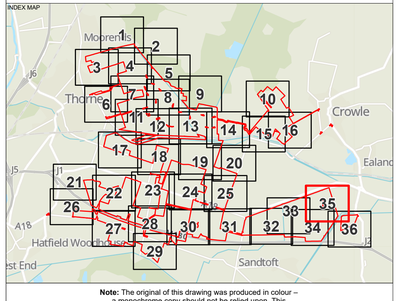

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0 30 60 120 Meters

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Tween Bridge, Goole (4861)

DRAWING TITLE

Tree Retention, Removal and Protection Plan

SCALE	DRAWING NUMBER
Scale: 1:2,000 @ A1	BHA_4861_02

DRAWN BY	APPROVED BY	REVISION	SHEET	DATE
TH	DH	2	35 of 36	20/08/2025

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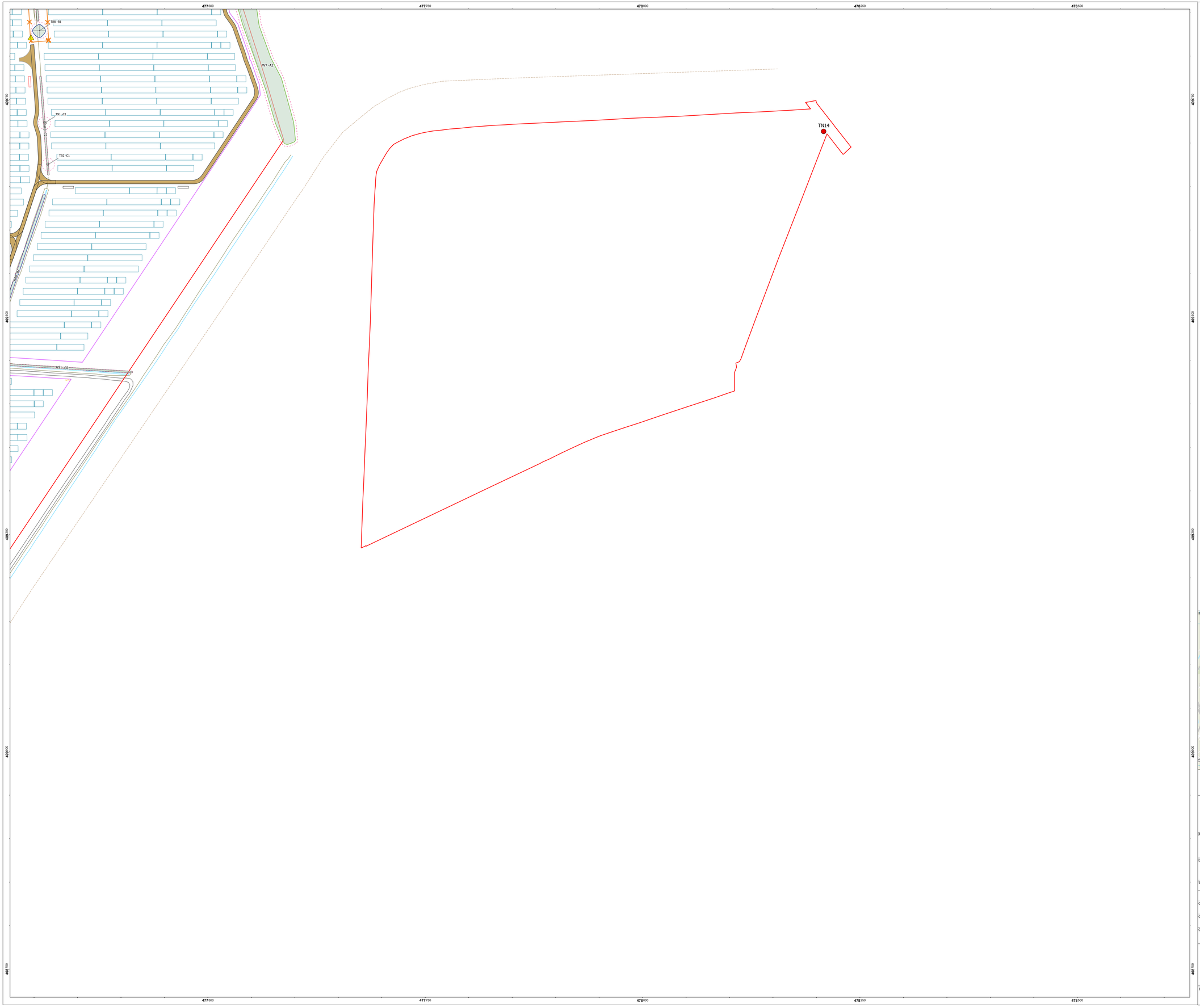

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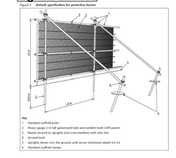

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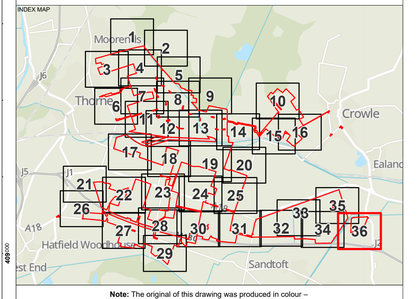

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TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Barton Hyett Arboricultural Consultants

INDIVIDUAL TREES

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T1	Poplar (Hybrid black)	On	25.0	1	Yes	880	10.0-15.0-10.0-9.0	8.0	5.0	W	M	None	Mature tree; overhanging the Order Limits by up to 15m. Ditch to the east	Good	Fair	40+	B2	10.6	350
T2	Poplar (Hybrid black)	On	25.0	1	Yes	900	11.0-12.5-10.0-9.5	8.0	5.0	None	M	None	Mature tree; overhanging the Order Limits by up to 12. Ditch to the east	Good	Good	40+	B2	10.8	366
T3	Ash (Common)	On	11.0	2	Yes	290	3.0-3.0-3.0-3.5	2.0	0.5	SW	SM	None	Hedgerow; reduced vitality	Fair	Fair	10+	C1	3.5	38
T4	Oak (English)	On	10.0	1	Yes	500	6.5-6.5-6.5-6.5	2.0	1.5	W	EM	None	Establishing oak of good form and condition; birch tree adjacent to the SE	Good	Good	40+	B1	6.0	113
T5	Oak (English)	On	15.0	1	Yes	440	6.0-7.0-5.0-5.0	10.0	5.0	S	M	None	Single stem mature oak dominating within a mixed tree group. Ditch located to the NE.	Good	Good	40+	B1	5.3	88
T6	Oak (English)	On	12.0	1	Yes	520	7.0-7.0-7.0-6.0	3.0	2.0	E	M	None	Twin stem; starting .5m from ground; full crown with good vitality. Ditch located to the E.	Good	Good	40+	B1	6.2	122
T7	Birch (Silver)	On	12.0	1	Yes	300	4.0-3.0-1.0-3.0	0.5	0.5	E	M	None	Crown shaded b Oak therefore limited crown spread on W side. Located on bank of ditch; no existing lean; no significant defects.	Good	Good	20+	C1	3.6	41
T8	Oak (English)	On	9.0	1	Yes	210	4.0-3.0-1.0-3.0	4.0	4.0	S	M	None	Oak within hedgerow located in shallow ditch; no significant defects.	Good	Good	40+	C1	2.5	20
T9	Birch (Silver)	On	12.0	2	Yes	410	4.0-3.0-1.0-3.0	4.0	3.0	E	M	None	Overgrown Twin stem birch within hedgerow located in shallow ditch; no significant defects.	Good	Good	20+	C1	4.9	76
T10	Birch (Silver)	On	12.0	2	Yes	270	4.0-3.0-1.0-3.0	4.0	3.0	W	M	None	Overgrown Twin stem birch within hedgerow located in shallow ditch; no significant defects.	Good	Good	20+	C1	3.2	33

TREE SURVEY SCHEDULE

PROJECT NO: 5410

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SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

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T11	Birch (Silver)	On	8.0	2	Yes	220	4.0-3.0-1.0-3.0	4.0	3.0	E	M	None	Overgrown Twin stem birch within hedgerow located in shallow ditch; no significant defects.	Good	Good	20+	C1	2.6	22
T12	Birch (Silver)	On	10.0	2	Yes	370	5.0-5.0-5.0-5.0	2.0	1.0	None	EM	None	EM to M oak located on the bank of a ditch. Ditch to the north	Good	Fair	40+	B1	4.4	62
T13	Oak (English)	On	10.0	1	Yes	550	6.5-6.0-6.0-6.0	2.0	1.5	None	EM	None	EM to M oak located on the bank of a ditch. Ditch to the north	Good	Good	40+	B1	6.6	137
T14	Oak (English)	On	4.5	1	Yes	280	3.0-2.5-3.0-2.5	1.5	1.0	None	M	None	Establishing located on the bank of a ditch. Ditch to the west	Good	Good	40+	B1	3.3	35
T15	Oak (English)	On	13.5	1	Yes	880	7.0-6.5-6.0-6.5	3.5	3.0	None	M	None	M oak located on the bank of a ditch. Ditch to the east	Good	Good	40+	A1	10.6	350
T16	Oak (English)	On	12.5	1	Yes	680	5.0-5.5-6.0-6.0	3.5	3.0	None	EM	None	EM to M oak located on the bank of a ditch. Ditch to the east	Good	Good	40+	B1	8.2	209
T17	Hawthorn	On	3.0	1	Yes	100	1.5-1.5-1.5-1.5	0.2	0.2	None	SM	None	Self sewn hawthorn/ remnant hedgerow tree	Good	Fair	20+	C2	1.3	5
T18	Hawthorn	On	3.0	1	Yes	100	1.5-1.5-1.5-1.5	0.2	0.2	None	SM	None	Self sewn hawthorn/ remnant hedgerow tree	Good	Fair	20+	C2	1.3	5
T19	Hawthorn	On	3.0	1	Yes	150	2.5-2.5-2.5-2.5	0.2	0.2	None	SM	None	Self sewn hawthorn/ remnant hedgerow tree	Good	Fair	20+	C2	1.8	10
T20	Hawthorn	On	3.0	1	Yes	150	2.5-2.5-2.5-2.5	0.2	0.2	None	SM	None	Self sewn hawthorn/ remnant hedgerow tree	Good	Fair	20+	C2	1.8	10
T21	Hawthorn	On	3.0	1	Yes	150	2.5-2.5-2.5-2.5	0.2	0.2	None	SM	None	Self sewn hawthorn/ remnant hedgerow tree	Good	Fair	20+	C2	1.8	10
T22	Hawthorn	On	3.0	1	Yes	100	1.5-1.5-1.5-1.5	0.2	0.2	None	EM	None	Self sewn hawthorn/ remnant hedgerow tree	Good	Fair	20+	C2	1.3	5
T23	Ash (Common)	On	13.0	4	Yes	520	5.0-5.0-5.0-5.0	3.0	0.5	None	EM	None	Multi stemmed ash. Ditch to the west	Good	Fair	40+	C1	6.2	122
T24	Ash (Common)	On	13.0	1	Yes	350	5.0-5.0-5.0-5.0	3.0	0.5	None	EM	None	Located on the east bank of the ditch. Ditch to the west	Good	Fair	40+	C1	4.2	55
T25	Ash (Common)	On	14.0	1	None	600	8.0-6.0-7.0-6.0	0.5	1.0	S	EM	None	Typical for age & species	Good	Fair	20+	B1	7.2	163

TREE SURVEY SCHEDULE

PROJECT NO: 5410

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SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

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T26	Oak (English)	On	15.0	1	None	700	8.0-7.5-8.0-9.0	3.0	3.0	N	M	None	Main stem splits @4.5m; heavily swathed in ivy; multi-stemmed oak with hedge immediately to south	Good	Fair	40+	A1	8.4	222
T27	Ash (Common)	On	12.0	8	None	850	6.0-6.0-5.0-5.0	1.0	0.0	None	EM	None	Multi-stemmed within hedge	Fair	Fair	20+	B1	10.2	327
T28	Maple (Field)	Off	10.0	4	None	550	4.0-5.0-3.0-5.0	0.0	0.0	None	EM	None	Off-Order Limits tree separated from survey area by significant ditch	Good	Fair	20+	B1	6.6	137
T29	Maple (Field)	Off	10.0	6	None	730	4.0-5.0-4.0-5.0	0.0	0.0	None	EM	None	Off-Order Limits tree separated from survey area by significant ditch	Good	Fair	20+	B1	8.8	241
T30	Hawthorn	Off	5.0	6	None	290	2.0-3.0-2.0-2.0	0.0	0.0	None	EM	None	Off-Order Limits tree separated from survey area by significant ditch	Good	Fair	20+	B1	3.5	38
T31	Beech (Common)	On	20.0	1	Yes	1300	10.0-10.0-9.0-9.0	3.0	2.5	N	M	None	Established to south of drainage ditch; main stem splits @1m into 4x scaffold limbs; scaffold limb to north-west shows pocket of decay above main union around previous branch attachment	Good	Fair	20+	B1	15.0	707
T32	Chestnut (Horse)	On	18.0	1	Yes	1200	8.0-8.0-8.0-8.0	3.0	0.0	N	M	None	Established to south of drainage ditch; main stem splits @2m into multiple scaffold limbs; prolific basal shoots	Fair	Fair	20+	B1	14.4	651
T33	Chestnut (Horse)	On	18.0	1	Yes	1100	9.0-10.0-8.0-8.5	3.0	2.0	N	M	None	Established to south of drainage ditch; main stem splits @2m into multiple scaffold limbs; withered remains of Meripilus around root-collar with clumps of Armillaria 1x sub-limb to north-west has failed with debris lying across ditch. Fell to 3m monolith	Fair	Poor	<10	U1	13.2	547

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CLIENT: RWE

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T34	Beech (Common)	On	17.0	1	Yes	1000	10.0-7.5-8.0-8.0	3.0	2.0	E	M	None	Established to south of drainage ditch; main stem splits @2.5 - 3.5m into 3x scaffold limbs - the third limb to the north-east (1st sig. limb) is attached by an included union	Good	Fair	20+	B1	12.0	452
T35	Beech (Common)	On	18.0	1	Yes	1000	10.0-10.0-9.0-8.5	2.5	3.0	NW	M	None	Established to south of drainage ditch; main stem splits @2.5m into 3x scaffold limbs; 1x sub-limb to north has failed with debris lying across ditch	Good	Fair	20+	B1	12.0	452
T36	Birch (Silver)	On	9.0	1	None	380	4.0-6.0-3.0-3.0	1.5	1.0	E	EM	None	Established to south of drainage ditch; significant cavity & associated decay to main stem; good vigour throughout crown	Good	Fair	10+	C1	4.5	65
T37	Chestnut (Horse)	On	16.0	1	Yes	900	7.0-8.0-7.0-7.0	3.0	0.0	None	M	None	Established to south of drainage ditch; main stem splits @3m into multiple scaffold limbs; cankers around branch unions; prolific basal shoots	Fair	Fair	20+	B1	10.8	366
T38	Beech (Common)	On	18.0	1	Yes	1100	8.0-8.0-9.0-8.0	2.5	2.5	N	M	None	Established to south of drainage ditch; main stem splits @2.5m into 3x scaffold limbs; scaffold limb to north is significantly smaller (1st sig. limb)	Good	Fair	40+	B1	13.2	547
T39	Beech (Common)	On	18.0	1	Yes	1000	8.0-8.0-9.0-7.0	3.0	1.0	N	M	None	Established to south of drainage ditch; main stem splits @1m into 4x scaffold limbs; scaffold limb to north-east is significantly smaller (possibly re-gen from old wound Order Limits) with bark damage & associated decay	Good	Fair	40+	B1	12.0	452

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SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T40	Beech (Common)	On	18.0	1	Yes	1000	8.0-6.0-8.0-7.0	3.0	1.5	N	M	None	Established to south of drainage ditch; main stem splits @1.5m into 2x scaffold limbs; bark damage above main union; bark damage & associated decay to northern most limb with small decay pockets around old branch unions	Fair	Fair	20+	B1	12.0	452
T41	Hawthorn	On	4.0	6	None	240	2.0-2.0-2.0-1.0	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	2.9	26
T42	Willow (Crack)	On	15.0	1	None	450	4.0-5.0-3.0-3.0	0.5	0.0	SE	M	None	Growing to east of drainage ditch embankment	Good	Fair	20+	B1	5.4	92
T43	Willow (Crack)	On	18.0	4	None	880	6.0-6.0-6.0-6.0	0.0	0.0	None	M	None	Growing to north of pond; dia. est @0.5m	Good	Fair	20+	B1	10.6	350
T44	Willow (Crack)	On	15.0	1	None	400	5.0-5.0-4.0-4.0	2.5	0.0	N	M	None	Growing to east of drainage ditch	Good	Fair	20+	B1	4.8	72
T45	Hawthorn	Off	4.0	6	None	240	1.5-1.5-1.5-1.5	0.0	0.0	None	SM	None	Off-Order Limits tree separated from survey area by significant ditch	Good	Fair	20+	C1	2.9	26
T46	Hawthorn	Off	5.0	6	None	290	2.5-3.0-3.0-3.0	0.0	0.0	None	EM	None	Off-Order Limits tree separated from survey area by significant ditch	Good	Fair	20+	B1	3.5	38
T47	Sycamore	Off	16.0	10	None	950	5.0-6.0-5.0-6.0	0.0	0.0	None	EM	None	Off-Order Limits tree separated from survey area by significant ditch	Good	Fair	20+	B1	11.4	408
T48	Hawthorn	Off	4.0	6	None	240	1.5-1.5-1.5-1.5	0.0	0.0	None	SM	None	Off-Order Limits tree separated from survey area by significant ditch	Good	Fair	20+	C1	2.9	26
T49	Willow (Goat)	On	5.0	6	Yes	240	3.0-3.0-3.0-3.0	0.0	0.0	None	SM	None	Growing adjacent to pond	Good	Fair	20+	C1	2.9	26
T50	Willow (Goat)	On	7.0	3	Yes	350	3.0-3.0-2.0-3.0	0.0	0.0	None	EM	None	Growing adjacent to pond	Good	Fair	20+	C1	4.2	55
T51	Ash (Common)	On	10.0	1	None	300	3.0-3.0-2.5-3.0	1.0	1.0	SW	EM	None	Typical for age & species	Good	Fair	20+	B1	3.6	41
T52	Birch (Silver)	On	9.0	1	None	180	2.5-2.5-2.5-2.5	1.0	1.0	N	SM	None	Typical for age & species	Good	Fair	20+	C1	2.2	15
T53	Sycamore	Off	15.0	15	None	1360	5.0-6.0-5.0-6.0	0.0	0.0	None	EM	None	Off-Order Limits tree separated from survey area by significant ditch	Good	Fair	20+	B1	15.0	707

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T54	Alder (Common)	On	10.0	1	None	300	3.5-4.0-3.5-3.5	1.0	1.0	SW	EM	None	Typical for age & species	Good	Fair	20+	B1	3.6	41
T55	Ash (Common)	On	8.0	1	None	110	1.5-1.5-1.5-1.0	2.0	2.0	S	SM	None	Typical for age & species	Fair	Fair	10+	C1	1.3	5
T56	Willow (Goat)	On	10.0	6	None	860	6.0-5.0-5.0-5.0	2.5	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	10.3	335
T57	Hawthorn	On	4.0	6	None	370	1.0-2.0-1.0-2.0	0.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	4.4	62
T58	Sycamore	On	14.0	1	None	700	6.0-7.0-6.5-6.5	4.0	3.0	S	M	None	Significant loss of vigour with moderate deadwood throughout upper crown; Ganoderma fungal fruiting bodies to east of main stem. Recommend tree be reduced to habitat stem @6m	Fair	Poor	<10	C1	8.4	222
T59	Chestnut (Horse)	On	18.0	1	None	980	8.0-8.0-8.0-8.5	4.0	3.0	N	M	None	Main stem splits @3.5m into 4x scaffold limbs; area of staining/dysfunctional bark to north of main stem @0 - 2m	Good	Fair	20+	B1	11.8	434
T60	Acacia (False)	On	15.0	1	None	800	7.0-8.0-9.0-8.0	5.0	1.0	E	M	None	Typical for age & species	Good	Fair	20+	B1	9.6	290
T61	Acacia (False)	On	9.0	1	None	250	4.5-4.0-3.0-3.0	3.0	1.5	N	SM	None	Typical for age & species	Good	Fair	20+	B1	3.0	28
T62	Sycamore	On	16.0	1	None	850	7.0-8.0-7.0-7.0	5.0	5.0	E	M	None	Visible basal cavity to south; decay & bark loss north of main stem @1 - 6m; stubby extension growth & minor twiggy deadwood throughout crown	Fair	Fair	20+	C1	10.2	327
T63	Chestnut (Horse)	On	17.0	1	None	900	9.0-9.0-8.0-8.0	5.0	5.0	W	M	None	Extensive basal decay to south of root collar & lower stem; withered Meripilus fungal fruiting bodies at N&S of root plate; radial cracks noted to scaffold limbs. Recommend tree be reduced to 6m habitat monolith	Fair	Fair	10+	C1	10.8	366
T64	Sycamore	On	16.0	1	None	700	8.0-8.0-7.0-6.0	4.0	4.0	N	M	None	Side reduced to west for over head power lines	Good	Fair	20+	B1	8.4	222
T65	Sycamore	On	14.0	3	Yes	690	5.0-6.0-5.0-5.0	3.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	8.3	215

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T66	Poplar (Hybrid black)	On	22.0	1	None	1190	9.0-10.0-8.5-9.0	6.0	4.0	S	M	None	Lower stem swathed in ivy; historic storm damage to extremities of limbs	Good	Fair	20+	B1	14.3	641
T67	Sycamore	On	15.0	1	None	700	8.0-8.0-8.0-8.0	2.5	4.0	N	M	None	Typical for age & species	Good	Fair	20+	B1	8.4	222
T68	Oak (English)	On	14.0	1	None	680	8.0-8.0-8.0-7.0	2.5	1.5	E	EM	None	Typical for age & species	Good	Fair	20+	B1	8.2	209
T69	Sycamore	On	14.0	5	None	960	8.0-7.0-8.0-8.0	2.5	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	11.5	417
T70	Ash (Common)	On	14.0	1	None	900	9.0-8.0-8.0-8.0	3.5	4.0	N	M	None	Historic storm damage & associated decay to scaffold limbs in upper crown; visible woodpecker activity at multiple Order Limitss; shaggy brackets on ground beneath tree with staining around branch unions indicating attachment Order Limitss - good habitat tree	Fair	Fair	20+	B1	10.8	366
T71	Sycamore	On	12.0	1	None	400	5.0-6.0-5.0-4.0	3.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	4.8	72
T72	Oak (English)	On	18.0	1	None	870	8.0-8.0-9.0-8.0	3.5	6.0	NW	M	None	Crown lift to south-east of canopy	Good	Fair	40+	A1	10.4	342
T73	Lime (Small-leafed)	On	18.0	1	None	740	7.0-7.0-7.0-7.0	1.5	4.5	S	M	None	Tarmac spoil heap to north of stem & small deposits/ compacted ground to south & west of stem; minor deadwood throughout crown (to be expected of age/species)	Good	Fair	40+	A1	8.9	248
T74	Apple	On	3.0	2	None	210	2.0-2.0-2.0-1.0	0.0	0.0	None	EM	None	Topped @2m	Fair	Fair	20+	C1	2.5	20
T75	Sycamore	On	15.0	3	None	940	8.0-8.0-8.0-7.0	3.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	11.3	400
T76	Lime (Small-leafed)	On	16.0	1	Yes	700	7.0-7.0-7.0-7.0	3.0	0.0	None	M	None	Crown reduction around lower canopy; dense basal shoots	Good	Fair	40+	A1	8.4	222
T77	Lime (Small-leafed)	On	16.0	1	None	650	7.0-7.0-7.0-7.0	2.5	0.0	None	M	None	Crown reduction around lower canopy; dense basal shoots	Good	Fair	40+	A1	7.8	191
T78	Cherry (Ornamental flowering)	On	4.0	1	None	100	2.0-1.0-1.0-1.5	1.5	1.5	N	Y	None	Typical for age & species	Fair	Fair	10+	C1	1.3	5

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T79	Sycamore	On	14.0	1	Yes	800	8.0-8.0-8.0-8.0	3.0	0.0	N	M	None	Main stem splits @3m into 2x scaffold limbs; dense basal shoots	Good	Fair	20+	B1	9.6	290
T80	Willow (Weeping)	On	16.0	2	None	1060	8.0-8.0-7.0-7.0	3.0	0.0	None	M	None	Non-progressive lean to north	Good	Fair	20+	B1	12.7	508
T81	Holly	On	8.0	6	None	240	1.0-1.0-1.0-1.0	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	2.9	26
T82	Sycamore	On	10.0	1	None	450	4.0-4.0-5.0-4.0	2.5	2.0	S	EM	None	Significant loss of vigour with historic storm damage to upper main stem. Recommend tree be reduced to habitat stem @ 5 - 6m	Fair	Poor	<10	C1	5.4	92
T83	Sycamore	On	10.0	1	None	450	5.0-4.0-3.0-3.0	2.5	1.5	S	EM	None	Significant basal cavity visible from the east - no obvious signs of fungal decay; column of decay extends up main stem; loss of vigour. Recommend tree be reduced to habitat stem @ 5 - 6m	Fair	Poor	<10	C1	5.4	92
T84	Chestnut (Horse)	On	16.0	1	None	700	7.0-8.0-8.0-8.0	2.5	0.0	N	M	None	Dense basal shoots; exudates noted to eastern scaffold limb @9m	Good	Fair	20+	B1	8.4	222
T85	Sycamore	On	15.0	1	None	700	7.0-8.0-8.0-7.0	2.5	2.5	E	M	None	Large basal cavity visible from the east - no obvious signs of fungal decay; main stem splits @4.5m into multiple scaffold limbs	Good	Poor	20+	C1	8.4	222
T86	Sycamore	On	14.0	3	Yes	880	7.0-7.0-7.0-7.0	3.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	10.6	350
T87	Sycamore	On	8.0	1	None	650	5.0-4.0-3.0-3.0	2.0	0.0	None	M	None	Significant loss of vigour with historic storm damage to upper part of stem & associated decay. Recommend tree be reduced to habitat stem @ 5 - 6m	Fair	Poor	<10	C1	7.8	191

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T88	Chestnut (Horse)	On	15.0	1	None	800	7.0-7.0-8.0-8.0	2.5	1.5	N	M	None	Main stem splits @3m into 2x scaffold limbs; large shake to northern most limb visible from the east with bark split from 3 - 10m	Good	Fair	20+	B1	9.6	290
T89	Hawthorn	On	2.5	1	None	200	1.0-1.0-2.0-1.0	0.0	0.0	None	EM	None	Typical for age & species	Fair	Fair	20+	C1	2.4	18
T90	Sycamore	On	16.0	5	Yes	1150	7.5-8.5-7.0-7.0	4.0	0.0	None	M	None	Visible basal cavity to eastern stem - no signs of decay fungus	Good	Fair	20+	B1	13.8	598
T91	Sycamore	On	8.0	1	None	600	2.0-2.0-2.5-1.5	2.0	0.0	None	M	None	Significant loss of vigour with historic storm damage to upper part of stem & associated decay. Recommend tree be reduced to habitat stem @ 5 - 6m	Fair	Poor	<10	C1	7.2	163
T92	Sycamore	On	8.0	1	None	600	2.0-1.0-1.0-2.0	2.0	1.0	N	M	None	Significant loss of vigour with historic decay to main stem. Recommend tree be reduced to habitat stem @ 5m	Fair	Poor	<10	C1	7.2	163
T93	Sycamore	On	14.0	1	None	690	6.0-6.0-7.0-8.0	3.0	1.5	SE	M	None	Area of bark damage to south of main stem @0.5m with localised decay; moderate deadwood to north of crown @5 - 6m	Fair	Fair	20+	B1	8.3	215
T94	Sycamore	On	14.0	3	Yes	960	7.0-8.0-6.0-6.0	3.0	2.0	N	EM	None	Typical for age & species	Good	Fair	20+	B1	11.5	417
T95	Sycamore	On	13.0	1	None	520	7.0-7.0-6.0-5.0	3.0	3.0	N	EM	None	Typical for age & species	Good	Fair	20+	B1	6.2	122
T96	Sycamore	On	17.0	1	None	800	8.0-8.0-7.0-7.0	3.0	3.5	N	M	None	Typical for age & species	Good	Fair	20+	B1	9.6	290
T97	Willow (Crack)	On	15.0	1	None	1500	8.0-7.0-6.0-6.0	4.0	0.0	None	M	None	Large bole with visible basal cavity; storm damage & large limb reduction to south	Good	Fair	20+	B1	15.0	707
T98	Hawthorn	On	4.0	6	None	290	2.0-2.0-2.0-2.0	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	3.5	38
T99	Hawthorn	On	3.5	6	None	340	2.0-2.0-2.0-2.0	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	4.1	52
T100	Hawthorn	On	3.0	6	None	290	1.0-1.5-1.0-1.0	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	C1	3.5	38
T101	Elder	On	3.0	6	Yes	240	2.0-1.0-2.0-1.0	0.0	0.0	None	EM	None	Located within ditch	Good	Fair	20+	C1	2.9	26

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

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T102	Willow (Crack)	On	15.0	6	None	1100	6.0-7.0-5.0-6.0	4.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	13.2	547
T103	Willow (Crack)	On	14.0	2	None	990	7.0-6.0-8.0-6.0	0.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	11.9	443
T104	Sycamore	On	15.0	2	None	960	8.0-6.0-8.0-7.0	2.5	5.0	N	M	None	Typical for age & species	Good	Fair	20+	B1	11.5	417
T105	Oak (English)	On	14.0	1	None	690	8.0-8.0-7.0-7.0	1.0	1.5	NW	EM	None	Main stem spilts @5m into multiple scaffold limbs	Good	Fair	20+	B1	8.3	215
T106	Willow (Crack)	On	16.0	1	Yes	550	7.0-7.0-6.0-6.0	3.0	0.5	S	M	None	Typical for age & species	Good	Fair	20+	B1	6.6	137
T107	Willow (Crack)	On	16.0	1	Yes	550	7.0-7.0-7.0-7.0	2.5	0.5	NW	M	None	Typical for age & species	Good	Fair	20+	B1	6.6	137
T108	Hawthorn	Off	6.0	2	None	490	3.0-2.5-3.0-2.5	0.0	0.0	None	EM	None	Off-Order Limits tree separated from survey	Good	Fair	20+	B1	5.9	109
T109	Willow (Goat)	On	6.0	1	Yes	350	3.0-3.0-2.5-2.0	0.0	0.0	None	SM	None	Growing adjacent to pond	Good	Fair	20+	C1	4.2	55
T110	Willow (Goat)	On	5.0	2	Yes	250	3.0-3.0-2.0-1.5	0.0	0.0	None	SM	None	Growing adjacent to pond	Good	Fair	20+	C1	3.0	28
T111	Willow (Goat)	On	5.0	2	Yes	350	5.0-4.0-4.0-4.0	0.0	0.0	None	SM	None	Growing adjacent to pond	Good	Fair	20+	C1	4.2	55
T112	Hawthorn	On	6.0	6	None	340	2.0-2.5-2.0-2.5	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	4.1	52
T113	Willow (Goat)	On	12.0	1	None	450	5.0-3.0-5.0-4.0	0.5	1.0	N	EM	None	Growing to west of drainage ditch embankment	Good	Fair	20+	B1	5.4	92
T114	Ash (Common)	On	18.0	5	Yes	980	8.0-8.0-8.0-7.0	3.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	11.8	434
T115	Willow (Goat)	On	10.0	1	None	400	5.0-3.0-5.0-4.0	0.5	1.0	S	EM	None	Growing to west of drainage ditch embankment	Good	Fair	20+	B1	4.8	72
T116	Willow (Crack)	On	12.0	1	None	450	5.0-5.0-4.0-3.0	0.5	0.0	S	EM	None	Growing to west of drainage ditch embankment	Good	Fair	20+	B1	5.4	92
T117	Willow (Goat)	On	6.0	1	None	300	6.0-3.0-3.0-3.0	0.0	0.0	None	EM	None	Growing to east of drainage ditch embankment	Good	Fair	20+	C1	3.6	41
T118	Ash (Common)	On	9.0	1	None	350	5.0-5.0-4.0-5.0	0.5	0.5	W	SM	None	Branches to south of crown have been smashed off with debris on ground	Fair	Fair	20+	C3	4.2	55
T119	Willow (Goat)	On	4.5	1	None	150	2.0-2.0-2.0-2.0	0.0	0.0	None	EM	None	Growing to east of drainage ditch embankment	Good	Fair	20+	C1	1.8	10
T120	Willow (Goat)	On	6.5	10	None	320	4.5-3.0-3.0-3.0	0.5	0.0	None	EM	None	Growing to east of drainage ditch embankment	Good	Fair	20+	B1	3.8	46

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

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Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T121	Walnut (Common)	Off	18.0	1	Yes	900	8.0-8.0-9.0-8.0	2.5	2.5	SE	M	None	Off-Order Limits tree within private garden; heavily swathed in ivy; cursory inspection from	Good	Fair	40+	B1	10.8	366
T122	Ash (Common)	On	18.0	1	Yes	900	10.0-8.0-7.0-12.0	2.0	0.0	W	M	None	2x sub-dominant limbs to west of root-collar; limb failures to south-west of crown @7m & to east of crown @7 & 8m; asymmetric crown shape	Fair	Fair	20+	C1	10.8	366
T123	Hawthorn	On	7.0	1	None	370	4.0-4.0-4.0-3.0	3.0	2.5	E	M	None	Typical for age & species	Good	Fair	20+	B1	4.4	62
T124	Oak (English)	On	16.0	1	None	550	6.0-9.0-7.0-7.0	3.0	3.0	N	M	None	Historic storm damage to southern section of crown with cavity & dead branch stubs creating good habitat @2 - 4m	Good	Fair	40+	B3	6.6	137
T125	Hawthorn	On	7.5	1	None	400	4.0-3.0-4.0-3.0	3.0	2.5	N	M	None	Typical for age & species	Good	Fair	20+	B1	4.8	72
T126	Cypress (Leyland)	On	10.0	1	None	150	1.0-1.0-1.0-1.0	1.5	0.5	W	Y	None	Typical for age & species	Fair	Fair	10+	C1	1.8	10
T127	Sycamore	On	12.0	1	None	400	4.0-4.0-4.0-2.0	2.5	0.5	S	SM	None	Typical for age & species	Fair	Fair	20+	C1	4.8	72
T128	Oak (English)	On	14.0	1	None	850	7.0-8.0-8.0-6.0	3.0	1.5	S	M	None	Historic storm damage to north section of upper crown with dead branch stubs creating good habitat; moderate deadwood throughout crown	Good	Fair	40+	B3	10.2	327
T129	Hawthorn	On	6.5	1	None	380	4.0-4.0-4.0-4.0	3.0	2.5	N	M	None	Typical for age & species	Good	Fair	20+	B1	4.5	65
T130	Hawthorn	On	4.5	1	None	300	1.5-3.5-2.5-1.0	2.5	2.5	S	M	None	Tree was originally co-dominant with stem to west failed/removed leaving an asymmetric crown shape; basal cavity & associated decay to lower 2m of main stem	Good	Fair	10+	C1	3.6	41
T131	Oak (English)	On	17.0	1	None	750	8.0-10.0-9.0-7.5	2.5	3.5	N	M	None	Historic storm damage to south of crown @6m; moderate deadwood throughout crown	Good	Fair	40+	A1	9.0	254
T132	Hawthorn	On	7.0	1	None	400	4.0-4.0-4.0-4.0	2.5	2.5	E	M	None	Typical for age & species	Good	Fair	20+	B1	4.8	72

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T133	Hawthorn	On	7.5	1	None	400	5.0-4.0-4.0-4.0	3.0	2.5	N	M	None	Typical for age & species	Good	Fair	20+	B1	4.8	72
T134	Oak (English)	On	16.0	1	None	800	9.0-8.0-9.0-9.0	3.0	3.0	NW	M	None	Main stem splits @3.5m into 4 scaffold limbs; historic storm damage to west of crown @4m	Good	Fair	40+	A1	9.6	290
T135	Oak (English)	On	16.0	1	None	800	9.0-9.0-8.0-9.0	3.0	3.0	E	M	None	Main stem heavily swathed in ivy; 1x limb has failed to south-east of crown @3m which is partially hung up & in contact with ground	Good	Fair	40+	A1	9.6	290
T136	Hawthorn	On	5.0	1	None	300	2.0-2.0-2.5-2.5	2.5	2.5	N	M	None	Basal cavity with limited reactionary growth	Good	Fair	20+	C1	3.6	41
T137	Oak (English)	On	16.0	1	None	700	7.0-7.5-8.5-8.0	3.0	3.0	N	M	None	Main stem splits @3m into 4x scaffold limbs; moderate deadwood throughout crown; established to west embankment of drainage ditch; main stem shows a non-progressive lean to east	Good	Fair	40+	B1	8.4	222
T138	Hawthorn	On	6.5	1	None	370	5.0-3.0-5.0-5.0	3.5	2.0	W	M	None	Typical for age & species	Good	Fair	20+	B1	4.4	62
T139	Sycamore	On	15.0	3	None	700	6.0-5.0-4.5-5.5	0.5	0.0	None	M	None	Typical for age & species	Fair	Fair	20+	B1	8.4	222
T140	Ash (Common)	On	13.0	1	None	700	6.0-5.0-6.0-4.0	2.0	2.5	S	M	None	Decayed / hollowed mature bole with crown formed by semi-mature re-gen; large crack to main stem. Recommend semi-mature limbs be removed & main stem retained as habitat monolith @5m	Fair	Poor	<10	C3	8.4	222
T141	Sycamore	On	15.0	4	None	910	7.0-6.0-4.0-3.5	0.0	0.0	None	M	None	Moderate dieback within upper crowns of stems; visible woodpecker activity; bark loss to lower stems. Recommend tree be felled at earliest convenience	Poor	Fair	<10	C1	10.9	375

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T142	Ash (Common)	On	16.0	1	None	800	9.0-6.0-7.5-6.5	3.5	0.0	N	M	None	Main stems splits @2m into 2x stems; shaggy brackets present to stems; scaffold limbs show damage & decay; minor twiggy dieback throughout upper crown. Recommend tree by reduced to habitat monolith @5 - 6m	Good	Fair	20+	C3	9.6	290
T143	Sycamore	On	15.0	1	None	550	7.0-7.0-7.0-6.0	3.0	0.0	N	M	None	Basal cavity visible to east; wire cable forming tourniquet around lower stem; multiple basal shoots; minor twiggy dieback within crown of main stem	Good	Fair	20+	C1	6.6	137
T144	Oak (English)	On	17.0	1	None	900	8.0-9.0-8.0-7.5	3.0	2.5	N	M	None	Main stem splits @3.5m into 3x scaffold limbs; established to west embankment of drainage ditch	Good	Fair	40+	A1	10.8	366
T145	Sycamore	On	17.0	1	None	600	6.0-6.0-7.0-6.0	3.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	7.2	163
T146	Apple	On	6.0	1	Yes	600	3.0-3.0-3.0-3.0	1.0	2.0	NE	M	None	Decayed / hollowed mature bole with crown formed by semi-mature re-gen; good habitat	Fair	Fair	20+	C3	7.2	163
T147	Willow (Crack)	On	14.0	2	None	810	7.0-6.0-6.0-6.0	0.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	9.7	297
T148	Willow (Weeping)	Off	14.0	1	Yes	600	7.0-7.0-7.0-7.0	3.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	7.2	163
T149	Birch (Silver)	Off	16.0	1	Yes	580	6.0-8.0-6.0-6.0	2.5	2.5	W	M	None	Typical for age & species; separated from survey area by drainage ditch	Good	Fair	20+	B1	7.0	152
T150	Oak (English)	On	7.0	1	Yes	470	5.0-5.5-5.5-6.0	2.0	3.5	W	EM	None	A full crown by the side of a low traffic road	Good	Good	40+	B1	5.6	100
T151	Oak (English)	On	5.0	1	Yes	200	3.0-3.0-2.0-2.0	2.0	2.0	W	SM	None	By the side of a low traffic road	Good	Good	40+	C1	2.4	18
T152	Oak (English)	On	5.0	1	Yes	200	3.0-3.0-2.0-2.0	2.0	2.0	W	SM	None	By the side of a low traffic road	Good	Good	40+	C1	2.4	18
T153	Oak (English)	On	5.0	1	Yes	200	3.0-3.0-2.0-2.0	2.0	2.0	W	SM	None	By the side of a low traffic road	Good	Good	40+	C1	2.4	18

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T154	Oak (English)	On	5.0	1	Yes	200	3.0-3.0-2.0-2.0	2.0	2.0	W	SM	None	By the side of a low traffic road	Good	Good	40+	C1	2.4	18
T155	Sycamore	On	12.0	3	None	610	5.0-5.0-5.5-5.0	0.0	0.0	None	SM	None	Typical for age & species	Good	Fair	20+	B1	7.3	168
T156	Oak (English)	On	12.0	1	None	450	5.0-7.0-6.0-6.5	1.5	1.5	E	EM	None	Typical for age & species	Good	Fair	40+	B1	5.4	92
T157	Sycamore	On	8.0	1	None	150	2.0-2.0-1.5-2.0	2.5	0.0	E	SM	None	Typical for age & species	Good	Fair	20+	C1	1.8	10
T158	Sycamore	On	8.0	1	None	180	3.0-3.0-3.0-3.0	2.5	0.0	E	SM	None	Typical for age & species	Good	Fair	20+	C1	2.2	15
T159	Sycamore	On	10.0	1	None	200	3.0-3.5-3.5-3.0	3.0	0.0	E	SM	None	Typical for age & species	Good	Fair	20+	C1	2.4	18
T160	Oak (English)	On	12.0	1	None	450	6.0-7.0-6.0-7.0	2.5	0.5	E	EM	None	Typical for age & species	Good	Fair	40+	B1	5.4	92
T161	Sycamore	On	11.0	2	None	490	3.0-5.0-5.0-5.0	2.5	0.0	W	SM	None	Typical for age & species	Fair	Fair	20+	C1	5.9	109
T162	Sycamore	On	8.0	1	None	300	3.0-3.0-4.0-3.0	3.0	0.5	N	SM	None	Typical for age & species	Good	Fair	20+	C1	3.6	41
T163	Sycamore	On	17.0	1	None	600	7.0-7.0-7.0-7.0	2.5	0.0	N	M	None	Main stem splits @4m into 2x scaffold limbs	Good	Fair	20+	B1	7.2	163
T164	Ash (Common)	On	12.0	2	None	490	7.0-5.0-6.0-6.0	1.0	0.0	None	SM	None	Typical for age & species	Good	Fair	20+	C1	5.9	109
T165	Hawthorn	On	3.0	3	Yes	210	3.0-2.0-1.0-1.0	0.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	2.5	20
T166	Willow (Weeping)	Off	18.0	1	Yes	900	9.0-9.0-9.0-9.0	2.0	0.0	None	M	None	On adjacent Order Limits which is separated from survey area by drainage	Good	Fair	40+	A1	10.8	366
T167	Hawthorn	On	6.0	8	Yes	340	2.0-3.0-2.0-2.0	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	4.1	52
T168	Hawthorn	On	3.0	2	Yes	100	1.0-1.0-1.0-1.0	0.0	0.0	None	SM	None	Typical for age & species	Good	Fair	20+	C1	1.3	5
T169	Hawthorn	On	4.0	2	Yes	100	1.0-1.0-1.0-1.0	0.0	0.0	None	SM	None	Typical for age & species	Good	Fair	20+	C1	1.3	5
T170	Hawthorn	On	4.5	6	Yes	240	3.0-2.0-1.0-2.5	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	2.9	26
T171	Willow (Goat)	On	4.0	2	Yes	420	3.0-4.0-3.0-4.0	0.0	0.0	None	SM	None	Growing adjacent to pond	Good	Fair	20+	B1	5.0	80
T172	Willow (Goat)	On	5.0	5	Yes	220	3.0-3.0-3.0-3.0	0.0	0.0	None	SM	None	Growing adjacent to pond	Good	Fair	20+	C1	2.6	22
T173	Sycamore	On	15.0	2	None	570	5.0-7.0-7.0-6.0	0.5	0.5	W	EM	None	Main stem splits @1m into 2x scaffold limbs	Good	Fair	20+	B1	6.8	147
T174	Oak (English)	On	10.0	1	None	520	6.0-6.0-6.0-6.0	0.5	1.0	E	EM	None	Typical for age & species	Good	Fair	40+	B1	6.2	122
T175	Ash (Common)	On	10.0	1	None	570	7.0-7.0-6.0-6.0	0.5	0.0	N	M	None	Decayed / hollowed mature bole with crown formed by semi-mature re-gen; good habitat	Fair	Fair	20+	C3	6.8	147
T176	Willow (Goat)	On	5.0	8	Yes	280	3.0-3.0-3.0-3.0	0.0	0.0	None	SM	None	Growing adjacent to pond	Good	Fair	20+	C1	3.3	35

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T177	Willow (Goat)	On	5.0	8	Yes	280	3.0-4.0-3.0-3.0	0.0	0.0	None	SM	None	Growing adjacent to pond	Good	Fair	20+	C1	3.3	35
T178	Willow (Goat)	On	7.0	2	Yes	420	3.0-3.0-3.0-3.0	0.0	0.0	None	SM	None	Growing adjacent to pond	Good	Fair	20+	B1	5.0	80
T179	Birch (Silver)	On	8.0	3	None	520	4.0-7.0-5.0-5.0	0.5	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	6.2	122
T180	Hawthorn	On	5.0	6	Yes	290	3.0-2.0-3.0-2.0	0.0	0.0	None	M	None	Growing within drainage ditch	Good	Fair	20+	B1	3.5	38
T181	Sycamore	On	10.0	1	None	350	4.0-3.0-4.0-3.0	1.0	0.5	NW	SM	None	Growing within drainage ditch	Good	Fair	20+	B1	4.2	55
T182	Willow (Crack)	On	19.0	1	None	1500	10.0-9.0-8.0-9.0	3.0	1.0	S	M	None	Growing within drainage ditch	Good	Fair	40+	A1	15.0	707
T183	Ash (Common)	On	14.0	1	None	550	4.5-8.0-7.0-5.0	3.0	0.0	S	EM	None	Typical for age & species	Good	Fair	20+	B1	6.6	137
T184	Hawthorn	On	3.5	3	Yes	170	1.0-1.0-1.0-1.0	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	C1	2.0	13
T185	Ash (Common)	On	10.0	7	None	820	3.5-3.0-3.0-3.0	0.5	1.0	N	EM	None	Multistem on edge of ditch; no excessive leaning; crown looks full. Ditch to the east. No significant defects at present	Good	Good	20+	C1	9.8	304
T186	Hawthorn	On	5.5	10	Yes	470	2.5-4.0-2.0-3.0	0.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	5.6	100
T187	Hawthorn	On	4.0	1	Yes	200	1.0-2.0-1.0-1.5	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	C1	2.4	18
T188	Hawthorn	On	4.0	2	Yes	210	1.0-2.5-1.0-2.0	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	C1	2.5	20
T189	Sycamore	On	12.0	2	Yes	530	7.0-5.0-4.0-6.0	0.0	0.0	None	EM	None	Growing from masonry supporting land-bridge & causing damage. Recommend structure be inspected & tree is removed	Good	Fair	10+	C1	6.4	127
T190	Sycamore	On	17.0	1	None	750	7.0-7.5-6.0-7.0	2.0	2.0	NW	M	None	Storm damaged limbs (3x) to west of crown from 6 - 12m	Good	Fair	20+	B1	9.0	254
T191	Sycamore	On	15.0	6	None	860	6.0-7.0-5.0-5.0	4.0	0.0	None	SM	None	Typical for age & species	Good	Fair	20+	B1	10.3	335
T192	Elm (English)	On	13.0	3	Yes	580	5.0-6.0-6.0-5.0	0.0	0.0	None	EM	None	Typical for age & species	Good	Fair	20+	B1	7.0	152

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T193	Oak (English)	On	11.0	1	None	910	7.5-8.0-9.0-7.5	4.0	4.0	SW	M	None	Oak in middle of farming field; grass patch surrounding base 4x6m. Small mechanical damage to base 1m high north facing but has minimal effect to the vitality of tree.	Good	Good	40+	B1	10.9	375
T194	Oak (English)	On	3.0	1	None	150	3.5-2.0-2.5-2.5	2.0	1.2	S	SM	None	Along boundary; barbed fence ingrown at 1m & 0.5m high	Good	Good	40+	B1	1.8	10
T195	Oak (English)	Off	10.0	1	None	580	8.0-7.0-5.0-6.0	4.0	3.0	NE	EM	None	Stem on bank; water up to base at present. Water logged Ditch to the north. Lower canopy flailed historically to a height of 5m	Good	Good	40+	B1	7.0	152
T196	Alder (Common)	Off	12.0	6	None	880	7.0-8.0-2.0-7.5	2.0	3.0	W	EM	None	Some roots visible as they grow down into the water logged ditch (to the north); visually interesting. 4x branches overhanging field by approx 3m. Tree located on side of private property ditch and part of boundary line heading south.	Good	Good	40+	B1	10.6	350
T197	Oak (English)	On	11.0	1	None	610	3.0-5.0-5.0-4.5	1.5	2.0	E	M	None	2x large pieces of deadwood n side 15cm diameter approx. Well presented oak with a slight lean to the east. In keeping with its age and species. Some raised ground to the north west	Fair	Good	40+	B1	7.3	168
T198	Alder (Common)	Off	11.0	1	None	590	4.0-5.0-7.0-4.5	1.0	0.5	W	M	None	3x baby trees growing from/near base; possible decay pockets present at base	Good	Good	40+	B1	7.1	157

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

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SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T199	Ash (Common)	Off	10.0	1	None	760	4.0-5.0-3.5-5.0	1.0	2.0	W	M	None	Fungal bracket found on stem; n side; 1m high. Potentially dryad's saddle. Nearby decayed mess; potentially inonotus. Upper Crown dieback occurring; good habitat dead wood left.	Fair	Fair	20+	C1	9.1	261
T200	Cypress (Leyland)	Off	8.0	1	None	290	1.0-2.5-2.5-1.5	0.5	0.5	N	EM	None	Planted and maintained as part of tree group; flailed along field side up to 4m high. Stand-alone as access gap in between	Good	Fair	40+	C1	3.5	38
T201	Oak	On	3.5	1	None	280	2.5-2.0-2.0-1.0	1.5	1.5	S	SM	None	Stand-alone; ditch to the East. 3x oak galls present. Mechanical damage to branches on west side; east side growth more pronounced	Good	Fair	40+	C1	3.3	35
T202	Lime (Common)	Off	11.0	1	None	590	5.0-4.5-5.5-5.0	3.0	3.0	N	M	None	Part of 2x lime standing at front of farm entrance. No significant defects at present. Ivy up 4m of stem	Good	Good	40+	B1	7.1	157
T203	Lime (Common)	Off	11.0	1	None	590	5.0-4.5-5.5-5.0	3.0	3.0	N	M	None	Part of 2x lime standing at front of farm entrance. Deadwood present; max 15cm dia overhanging entrance. Mechanical damage between 0.5 to 1.5m of stem; S facing. Expected vehicle collision. No other significant defects at present.	Good	Good	40+	B1	7.1	157
T204	Elder	On	4.5	10	None	320	2.0-3.0-3.0-1.5	0.0	0.0	None	EM	None	Multi-stemmed to edge of drainage ditch	Fair	Fair	20+	C1	3.8	46
T205	Sycamore	On	12.0	1	Yes	450	6.0-5.0-6.0-4.5	3.0	0.0	S	EM	None	Growing within drainage ditch	Good	Fair	20+	B1	5.4	92
T206	Hawthorn	On	6.0	6	Yes	370	3.0-3.0-3.0-2.5	0.0	0.0	None	M	None	Typical for age & species	Good	Fair	20+	B1	4.4	62

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T207	Willow (Crack)	Off	9.0	3	None	640	5.0-3.0-4.0-4.5	1.5	2.0	S	M	None	Flailed on field side only (E); previously crown lifted to 2m. Lower crown has substantial deadwood due to crown lift. 2x Stems to the E fused from 1m to 2m from GL. Some overhang onto field by 3m; starting at 4m high	Good	Good	40+	B1	7.7	185
T208	Willow (Crack)	Off	6.0	3	None	140	4.0-2.0-0.0-1.0	3.0	0.5	E	SM	None	Some new buds at the very tips of 2x stems; and epi at base however all other parts of tree dead/ dying. Long outstretched to get out of shade of nearby mature crack willow. Large branches snapped out. Along boundary to field; located on private land	Poor	Fair	10+	C1	1.7	9
T209	Ash (Common)	Off	8.5	1	None	420	4.0-3.0-3.0-4.0	2.0	1.5	W	M	None	Branches towards field have been cut to allow for large vehicle access (assuming tractors) & all branches below 2m from ground taken back to stem.	Fair	Good	20+	C1	5.0	80
T210	Apple	On	11.0	1	None	400	3.0-4.5-4.0-1.5	1.0	1.5	SW	M	None	Suppressed by large willow; basal cavity with pocket of decay rising on main stem to approx 2m; asymmetric crown shape	Fair	Fair	20+	C1	4.8	72
T211	Willow (Crack)	On	19.0	1	Yes	1800	9.0-9.0-12.0-10.0	2.0	1.5	S	M	None	Growing to south embankment of drainage ditch; significant cavitation to main stem & main union; crack to main stem viewed from west @7 - 8m; asymmetric / unbalanced crown; good adaptive growth at present; for long-term retention; recc. pollard tree @6m	Good	Fair	20+	B1	15.0	707

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T212	Hawthorn	On	5.0	2	None	nan	2.0-3.0-3.5-4.0	1.5	0.5	E	M	None	Ditch to the south. Historic Damage at base leaving a healed cavity.	Good	Fair	20+	C1	nan	nan
T213	Hawthorn	Off	4.0	1	None	200	2.0-3.0-1.0-3.0	0.0	0.5	N	EM	None	Hawthorn along boundary fence stand-alone	Good	Fair	40+	C1	2.4	18
T214	Oak (English)	On	15.0	1	None	900	5.0-8.5-7.0-7.0	3.5	6.0	W	M	None	Established to western embankment of drainage ditch; historic storm damage to main union / western limb @6m; bark damage & cavity to south of main stem @1m; moderate deadwood throughout crown with slight loss in vigour; good habitat tree	Fair	Fair	40+	A3	10.8	366
T215	Oak (English)	On	16.0	1	Yes	1200	6.0-6.0-7.0-6.0	2.5	2.5	W	M	Notable Tree	Root damage to west (within ditch); significant cavitation to main stem & 2x branch stubs; birds nest to south-east of crown @9m; raptor activity with carcasses/droppings. Does not sufficiently meet vet characteristics - no retrenchment; fungus; etc	Good	Fair	40+	A3	14.4	651
T216	Hawthorn	On	5.0	2	Yes	350	3.0-2.0-3.0-1.0	0.0	0.0	None	M	None	Growing on western embankment of drainage ditch	Good	Fair	20+	B1	4.2	55
T217	Hawthorn	Off	4.0	2	None	nan	3.0-1.0-3.0-1.0	0.0	0.5	N	EM	None	Hawthorn along water logged ditch to the west	Good	Fair	40+	C1	nan	nan
T218	Hawthorn	On	5.0	6	Yes	370	3.0-3.0-4.0-1.0	0.0	0.0	None	M	None	Growing on western embankment of drainage ditch	Good	Fair	20+	B1	4.4	62
T219	Hawthorn	Off	4.0	1	None	200	2.0-3.0-1.0-3.0	0.0	0.5	N	EM	None	Hawthorn along boundary fence stand-alone	Good	Fair	40+	C1	2.4	18
T220	Hawthorn	On	6.0	2	Yes	190	1.0-2.0-4.0-1.0	0.0	0.0	None	M	None	Growing on western embankment of drainage ditch	Fair	Fair	20+	C1	2.3	16

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T221	Hawthorn	On	2.0	2	Yes	140	1.0-1.0-1.0-1.0	0.0	0.0	None	EM	None	Growing on western embankment of drainage ditch	Fair	Fair	20+	C1	1.7	9
T222	Pine (Scots)	On	6.0	3	None	nan	2.0-2.0-2.0-2.0	0.5	0.5	N	EM	None	Single stem into three at 1m from ground; running along motorway and boundary. Ditch N of	Good	Fair	40+	C1	nan	nan
T223	Hawthorn	Off	4.0	1	None	200	2.0-3.0-1.0-3.0	0.0	0.5	N	EM	None	Hawthorn along boundary fence stand-alone	Good	Fair	40+	C1	2.4	18
T224	Sycamore	Off	5.0	1	None	150	2.0-3.0-2.0-3.0	2.0	2.0	E	SM	None	Single stem sycamore along motorway& Order Limits boundary.	Good	Fair	40+	C1	1.8	10
T225	Chestnut (Sweet)	Off	3.0	2	None	nan	3.0-4.0-2.0-3.0	1.0	0.5	E	SM	None		Good	Fair	40+	C1	nan	nan
T226	Birch (Silver)	On	9.0	1	None	340	5.0-5.0-4.0-4.0	3.0	3.0	N	M	None	Well presented birch alongside boundary; no significant defects at present	Good	Good	40+	B1	4.1	52
T227	Hawthorn	On	4.0	2	None	nan	3.0-1.0-3.0-1.0	0.0	0.5	N	EM	None	Hawthorn along boundary; being used to prop up building supplies at present.	Good	Fair	20+	C1	nan	nan
T228	Cherry (Ornamental flowering)	Off	6.0	3	None	nan	2.5-4.0-1.0-3.0	0.5	1.0	E	EM	None	Alongside wall boundary to private property. Flailed on S side of tree	Good	Fair	40+	C1	nan	nan
T229	Oak (English)	On	6.0	1	Yes	320	3.5-3.0-3.5-3.0	3.0	3.0	N	SM	None	Oak within flailed hedgerow alongside boundary	Good	Good	40+	C1	3.8	46
T230	Oak (English)	On	5.5	1	Yes	300	2.0-3.0-3.5-2.0	3.0	3.0	N	SM	None	Oak within flailed hedgerow alongside boundary	Good	Good	40+	C1	3.6	41
T231	Oak (English)	On	17.0	1	None	900	9.0-9.0-9.0-8.0	3.5	3.0	N	M	None	Established to northern embankment of drainage ditch; heavily pruned back to ditch boundary leaving 2x pegs to south of crown @4m	Good	Fair	40+	A1	10.8	366
T232	Hawthorn	On	3.5	1	Yes	100	1.0-1.0-1.0-1.0	0.0	0.0	None	EM	None	Growing on northern embankment of drainage ditch	Fair	Fair	20+	C1	1.3	5

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PROJECT NO: 5410

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SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

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T233	Ash (Common)	On	7.0	1	None	300	3.0-4.0-3.0-3.0	1.0	0.5	N	SM	None	Typical for age & species	Good	Fair	20+	C1	3.6	41
T234	Hawthorn	On	8.0	1	Yes	400	3.0-3.0-2.5-4.0	0.0	0.0	None	M	None	Growing on northern embankment of drainage ditch	Good	Fair	20+	B1	4.8	72
T235	Hawthorn	On	4.5	4	Yes	240	2.0-2.5-3.0-1.0	0.0	0.0	None	M	None	Growing on western embankment of drainage ditch	Fair	Fair	20+	C1	2.9	26
T236	Hawthorn	On	6.0	6	Yes	390	5.0-2.0-4.0-1.0	0.0	0.0	None	M	None	Growing on western embankment of drainage ditch	Good	Fair	20+	B1	4.7	69
T237	Hawthorn	On	6.0	6	Yes	390	5.0-2.0-3.0-2.0	0.0	0.0	None	M	None	Growing on western embankment of drainage ditch	Good	Fair	20+	B1	4.7	69
T238	Hawthorn	On	6.0	6	Yes	390	5.0-3.0-4.0-2.0	0.0	0.0	None	M	None	Growing on western embankment of drainage ditch	Good	Fair	20+	B1	4.7	69
T239	Hawthorn	On	8.0	8	Yes	510	4.0-5.0-4.0-5.0	0.0	0.0	None	M	None	Growing on northern embankment of drainage ditch	Good	Fair	20+	B1	6.1	118
T240	Walnut (Common)	On	10.0	1	Yes	700	8.0-5.0-7.0-9.0	1.0	2.0	S	LM	None	Interesting form; branch at 2m facing N - small cavity underneath. Photos taken. Bird box on N side at 4m high.	Good	Good	40+	A1	8.4	222
T241	Sycamore	On	17.0	1	Yes	560	4.0-4.0-6.0-5.0	3.0	3.0	NW	M	None	Established single stem sycamore; no significant defects at time of inspection. Ditch to the S.	Good	Good	40+	B1	6.7	142
T242	Sycamore	On	17.0	1	Yes	610	7.0-6.0-8.0-5.0	3.5	3.5	SW	M	None	Established single stem sycamore; no significant defects at time of inspection. Ditch to the S. Bird box present on N of tree at 5m.	Good	Good	40+	B1	7.3	168
T243	Sycamore	On	15.0	1	Yes	590	6.0-5.0-7.0-4.0	3.5	3.5	SW	M	None	Established single stem sycamore; no significant defects at time of inspection. Ditch to the S	Good	Good	40+	B1	7.1	157

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T244	Sycamore	On	15.0	1	Yes	470	7.0-8.0-6.0-4.0	4.5	5.0	NW	M	None	Established single stem sycamore; no significant defects at time of inspection	Good	Good	40+	B1	5.6	100
T245	Ash (Common)	On	16.0	1	Yes	470	5.0-7.5-5.0-4.0	4.0	4.0	E	M	None	Single stem ash previously reduced; bird box present on E of tree at 3m. Branch overhanging field NE by 9.5m	Fair	Fair	20+	C1	5.6	100
T246	Oak (English)	On	10.0	1	Yes	350	5.0-4.0-5.0-4.0	1.0	1.0	N	SM	None	Established to west embankment of drainage ditch	Good	Fair	20+	B1	4.2	55
T247	Oak (English)	On	15.0	1	None	590	7.0-6.0-7.0-7.0	4.0	5.0	N	M	None	Established to east embankment of drainage ditch; small to moderate sized deadwood in upper crown; short extension growth	Fair	Fair	20+	B1	7.1	157
T248	Lime (Common)	Off	13.0	1	Yes	500	5.0-6.0-6.0-6.0	2.0	1.5	W	EM	None	Multiple crossing scaffold limbs; adjacent to farm entrance	Good	Fair	20+	B1	6.0	113
T249	Oak (English)	On	10.0	1	Yes	350	5.0-6.0-5.0-5.0	1.0	1.0	SE	SM	None	Established to west embankment of drainage ditch	Good	Fair	20+	B1	4.2	55
T250	Hawthorn	On	6.0	1	Yes	210	3.0-2.0-2.0-1.0	1.0	1.0	S	EM	None	Stand-alone on edge of newly built driveway	Good	Good	40+	C1	2.5	20
T251	Hawthorn	On	4.0	1	Yes	210	2.0-2.0-2.0-1.0	1.0	1.0	S	EM	None	Stand-alone on edge of newly built driveway	Good	Good	40+	C1	2.5	20
T252	Oak (English)	On	6.0	1	Yes	380	4.0-4.0-4.0-4.0	2.0	2.0	W	EM	None	A full crown by the side of a low traffic road	Good	Good	40+	B1	4.5	65
T253	Ash (Common)	On	12.0	1	Yes	580	3.0-6.0-5.0-3.0	3.0	2.0	W	M	None	Single stem ash with limited symptoms of ash dieback; previously lost 2nd stem; single stem remaining. Located along edge of field; alongside ditch. Ditch to the NW. Leaning towards field.	Good	Fair	10+	C1	7.0	152

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T254	Birch (Silver)	On	14.0	1	Yes	450	7.0-6.0-7.0-6.0	0.5	0.5	S	EM	None	Established to east embankment of drainage ditch	Good	Fair	20+	B1	5.4	92
T255	Oak (English)	On	11.0	1	Yes	520	5.0-5.0-7.0-5.0	3.0	3.0	NW	M	None	Historically lost leader; branch still present with crack in stem. Damage appears localised. Remaining crown fully recovered. Located alongside ditch. Ditch located to the west. Bird box present on E side; 2.5m high.	Good	Fair	40+	B1	6.2	122
T256	Willow (Crack)	On	6.5	2	Yes	120	2.5-2.0-1.0-3.0	1.0	1.0	E	SM	None	Located in water logged ditch; flailed at 4m	Good	Fair	40+	C1	1.5	7
T257	Willow (Crack)	On	6.5	6	Yes	440	2.5-2.0-1.0-3.0	1.0	1.0	S	SM	None	Located in water logged ditch; flailed at 4m	Good	Fair	40+	C1	5.3	88
T258	Willow (Crack)	On	4.0	1	Yes	190	2.5-2.0-1.0-3.0	1.0	1.0	S	SM	None	Located in water logged ditch	Good	Fair	40+	C1	2.3	16
T259	Willow (Crack)	On	5.0	1	Yes	190	2.5-2.0-1.0-3.0	1.0	1.0	S	SM	None	Located in water logged ditch; previously flailed at a height of 3m	Good	Fair	40+	C1	2.3	16
T260	Willow (Crack)	On	5.0	1	Yes	190	2.5-2.0-1.0-3.0	1.0	1.0	S	SM	None	Located in water logged ditch; previously flailed at a height of 3m	Good	Fair	40+	C1	2.3	16
T261	Willow (Crack)	On	5.0	1	Yes	190	2.5-2.0-1.0-3.0	1.0	1.0	S	SM	None	Located in water logged ditch; previously flailed at a height of 3m	Good	Fair	40+	C1	2.3	16
T262	Willow (Crack)	On	5.0	1	Yes	190	2.5-2.0-1.0-3.0	1.0	1.0	S	SM	None	Located in water logged ditch; previously flailed at a height of 3m	Good	Fair	40+	C1	2.3	16
T263	Ash (Common)	On	8.0	3	Yes	440	4.5-2.0-4.0-4.0	2.0	1.5	N	EM	None	Ditch to the east; ash dieback symptoms present in the lowest branches	Fair	Fair	20+	C1	5.3	88
T264	Willow (Goat)	On	4.0	6	Yes	240	3.0-4.0-3.0-3.0	2.0	0.5	None	SM	None	Multi stemmed willow	Good	Fair	20+	C1	2.9	26
T265	Ash (Common)	On	7.0	6	Yes	370	4.0-5.0-3.0-3.0	2.0	0.5	None	SM	None	Multi stemmed ash; lesser tree of same from adjacent to the east	Good	Fair	20+	C1	4.4	62

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T266	Oak (English)	On	17.0	1	Yes	600	7.5-7.0-7.5-7.0	4.0	4.0	N	M	None	Prominent oak; ditch to the south	Good	Good	40+	B1	7.2	163
T267	Oak (English)	On	8.0	1	Yes	400	4.0-4.0-4.5-4.5	2.0	2.0	S	SM	None	Establishing oak; ditch to the south	Good	Good	40+	B1	4.8	72
T268	Oak (English)	On	8.0	1	Yes	400	5.0-5.0-5.0-5.0	2.0	2.0	S	SM	None	Establishing oak; ditch to the south	Good	Good	40+	B1	4.8	72
T269	Oak (English)	On	15.0	1	Yes	620	8.5-7.0-6.0-7.0	4.0	4.0	N	M	None	Prominent oak; ditch to the north	Good	Good	40+	B1	7.4	174
T270	Oak (English)	On	15.0	1	Yes	550	5.0-5.0-6.0-6.0	4.0	4.0	None	M	None	Prominent oak; ditch to the north	Good	Good	40+	B1	6.6	137
T271	Oak (English)	On	9.0	1	Yes	680	5.0-5.0-5.0-5.0	4.0	3.0	None	EM	None	Prominent oak; ditch to the north	Good	Good	40+	B1	8.2	209
T272	Oak (English)	On	16.0	1	Yes	800	8.0-9.0-8.0-9.0	4.0	3.5	W	M	None	Prominent oak of excellent form and condition. Ditch to the north	Good	Good	40+	A1	9.6	290
T273	Oak (English)	On	17.0	1	Yes	850	9.0-9.0-10.0-9.0	4.0	3.0	E	M	None	Mature and prominent oak of excellent form and condition	Good	Good	40+	A1	10.2	327
T274	Oak (English)	On	11.0	1	Yes	600	6.0-6.0-6.0-6.0	4.0	4.0	None	M	None	Prominent oak; ditch to the south	Good	Good	40+	B1	7.2	163
T275	Ash (Common)	On	18.0	1	None	950	9.0-9.0-8.0-10.0	3.5	2.5	W	M	None	Historic area of storm damage to north of main stem @5 - 7m with partially occluded wound & associated decay; small deadwood to south of crown @12m; established to south embankment of drainage ditch	Good	Fair	20+	B1	11.4	408
T276	Oak (English)	On	5.0	1	Yes	850	4.0-5.0-4.0-5.0	1.0	1.0	None	M	None	Storm damaged stem; now with re-growth (natural pollard). Ditch to the south	Good	Fair	40+	B3	10.2	327
T277	Ash (Common)	On	4.0	3	Yes	260	1.0-1.0-1.0-1.0	1.0	0.5	None	SM	None	Young establishing tree. Recently topped to clear LV overhead wires	Fair	Fair	20+	C1	3.1	31
T278	Oak (English)	On	4.0	1	Yes	160	1.5-1.5-1.5-1.5	1.0	1.0	None	SM	None	Young establishing tree. Recently topped to clear LV overhead wires	Fair	Fair	20+	C1	2.0	12

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T279	Oak (English)	On	15.0	1	None	700	7.0-8.0-8.0-8.0	2.5	2.0	NW	EM	None	Main stem splits @2.5m with 2x crossing limbs	Good	Fair	20+	B1	8.4	222
T280	Birch (Silver)	On	14.0	1	Yes	750	5.5-9.0-7.0-7.0	3.0	1.0	W	M	None	Established to west embankment of drainage ditch; non-progressive lean to east; cohesive crown formed by several scaffold limbs	Good	Fair	20+	B1	9.0	254
T281	Ash (Common)	On	20.0	1	Yes	880	10.0-9.0-9.0-9.0	4.0	4.0	N	M	None	Mature and prominent ash of excellent form and condition	Good	Good	40+	A1	10.6	350
T282	Oak (English)	On	17.0	1	None	900	8.0-8.0-8.5-8.5	3.0	2.5	N	M	None	Main stem splits @3 - 3.5m; established to south embankment of drainage ditch	Good	Fair	40+	A1	10.8	366
T283	Willow (Goat)	On	4.0	4	Yes	160	1.5-1.5-1.5-1.5	1.0	1.0	None	SM	None	Young establishing tree. Recently topped to clear LV overhead wires	Fair	Fair	20+	C1	2.0	12
T284	Oak (English)	On	4.0	1	Yes	160	1.5-1.5-1.5-1.5	1.0	1.0	None	SM	None	Young establishing tree. Recently topped to clear LV overhead wires	Fair	Fair	20+	C1	2.0	12
T285	Willow (Goat)	On	4.0	4	Yes	160	1.5-1.5-1.5-1.5	1.0	1.0	None	SM	None	Young establishing tree. Recently topped to clear LV overhead wires	Fair	Fair	20+	C1	2.0	12
T286	Oak (English)	On	15.0	1	Yes	600	6.0-6.0-7.0-6.0	4.0	2.0	None	EM	None	Prominent oak of good form and condition; ditch to the south	Good	Good	40+	B1	7.2	163
T287	Oak (English)	On	4.0	1	Yes	160	1.5-1.5-1.5-1.5	1.0	1.0	None	SM	None	Young establishing tree. Recently topped to clear LV overhead wires	Fair	Fair	20+	C1	2.0	12
T288	Oak (English)	On	4.0	1	Yes	160	1.5-1.5-1.5-1.5	1.0	1.0	None	SM	None	Young establishing tree. Recently topped to clear LV overhead wires	Fair	Fair	20+	C1	2.0	12
T289	Oak (English)	On	4.0	1	Yes	160	1.5-1.5-1.5-1.5	1.0	1.0	None	SM	None	Young establishing tree. Recently topped to clear LV overhead wires	Fair	Fair	20+	C1	2.0	12
T290	Willow (Goat)	On	5.0	4	Yes	190	2.0-2.5-2.0-2.5	1.0	1.0	None	SM	None	Young establishing tree located within the ditch	Good	Fair	20+	C1	2.3	16

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T291	Willow (Goat)	On	4.0	4	Yes	170	2.0-2.5-2.0-2.5	1.0	1.0	None	SM	None	Young establishing tree located within the ditch	Good	Fair	20+	C1	2.0	13
T292	Willow (Goat)	On	4.0	4	Yes	170	2.0-2.5-2.0-2.5	1.0	1.0	None	SM	None	Young establishing tree located within the ditch	Good	Fair	20+	C1	2.0	13
T293	Oak (English)	On	14.0	1	None	680	6.0-7.0-6.0-5.0	2.0	3.5	W	EM	None	Historic storm damage to north of stem @2.5 - 6m with exposed heartwood; basal cavity visible to west with obvious grass deposits on ground; moderate sized deadwood arising from pruning pegs to lower crown	Fair	Fair	20+	B1	8.2	209
T294	Willow (Crack)	On	15.0	2	None	1130	8.0-7.5-9.0-8.0	3.0	0.0	None	M	None	Main stem splits @ground level into 2x stems; stem to south horizontal with ground; historically topped @1 - 2m with upper crown formed by early-mature re-gen	Good	Fair	20+	B1	13.6	578
T295	Ash (Common)	On	13.0	1	None	830	6.5-6.5-7.0-6.0	1.5	5.0	S	M	Notable Tree	Extensive decay cavity to main stem from ground level to 7m; barn owl box No:7896 affixed to south of stem @5m; evidence of historic crown retrenchment & lammas growth reforming a new semi-mature crown	Good	Fair	20+	B1	10.0	312
T296	Ash (Common)	On	15.0	2	None	710	8.5-8.0-8.0-8.0	1.0	2.5	S	M	None	Typical for age & species	Good	Fair	20+	B1	8.5	228
T297	Oak (English)	On	8.0	1	Yes	250	4.0-4.0-4.0-4.0	3.0	2.0	None	SM	None	Establishing hedgerow oak located at the Order Limits boundary	Good	Good	40+	B1	3.0	28
T298	Oak (English)	On	11.0	1	Yes	300	5.0-6.0-5.0-5.0	3.0	2.0	None	SM	None	Establishing hedgerow oak located at the Order Limits boundary	Good	Good	40+	B1	3.6	41
T299	Oak (English)	On	8.0	1	Yes	300	6.0-5.0-5.0-5.0	3.0	2.0	None	SM	None	Establishing hedgerow oak located at the Order Limits boundary	Good	Good	40+	B1	3.6	41

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T300	Oak (English)	On	8.0	1	Yes	250	4.0-4.0-4.0-4.0	3.0	2.0	None	SM	None	Establishing hedgerow oak located at the Order Limits boundary	Good	Good	40+	B1	3.0	28
T301	Sycamore	On	14.0	2	Yes	780	6.0-6.0-6.0-6.0	3.0	3.0	W	M	None	Existing track to the east	Good	Good	40+	B1	9.4	275
T302	Oak (English)	On	12.0	1	Yes	580	6.0-5.0-6.0-6.0	3.0	1.0	None	EM	None	Existing track to the east	Good	Good	40+	B1	7.0	152
T303	Oak (English)	On	8.0	1	Yes	350	3.5-3.5-4.5-4.5	1.0	3.0	N	SM	None	Establishing oak. Ditch to the west	Good	Good	40+	B1	4.2	55
T304	Oak (English)	On	8.0	1	Yes	300	3.5-3.5-3.5-3.5	1.0	0.5	S	SM	None	Establishing oak. Ditch to the south	Good	Good	40+	B1	3.6	41
T305	Oak (English)	On	20.0	1	Yes	900	7.0-9.0-10.0-9.0	4.0	4.0	None	M	None	Prominent woodland edge oak of excellent form and condition	Good	Good	40+	A2	10.8	366
T306	Willow (Goat)	On	3.0	4	Yes	120	2.0-2.0-2.0-2.0	1.0	1.0	None	SM	None	Willow tree located within the ditch	Good	Fair	20+	C1	1.5	7
T307	Willow (Goat)	On	3.0	4	Yes	120	2.0-2.0-2.0-2.0	1.0	1.0	None	SM	None	Willow tree located within the ditch	Good	Fair	20+	C1	1.5	7
T308	Oak (English)	On	18.0	1	Yes	900	7.0-9.0-10.0-9.0	4.0	4.0	None	M	None	Prominent woodland edge oak of excellent form and condition	Good	Good	40+	A2	10.8	366
T309	Oak (English)	On	5.0	1	Yes	250	3.0-3.0-3.0-3.0	1.0	0.5	S	SM	None	Establishing oak. Ditch to the south	Good	Good	40+	B1	3.0	28
T310	Oak (English)	On	5.0	1	Yes	550	4.0-4.5-3.5-3.0	1.0	0.5	S	SM	None	Establishing oak. Ditch to the south	Good	Good	40+	B1	6.6	137
T311	Willow (Goat)	On	5.0	4	Yes	250	3.0-4.0-3.0-3.0	1.0	1.0	None	SM	None	Willow tree located within the ditch	Good	Fair	20+	C1	3.0	28
T312	Oak (English)	On	7.0	1	Yes	200	3.0-3.0-3.0-3.0	1.0	1.0	None	SM	None	Establishing oak	Good	Fair	40+	B1	2.4	18
T313	Oak (English)	On	13.0	1	Yes	550	5.5-5.0-5.5-5.5	5.5	2.0	S	EM	None	Establishing oak. Ditch to the south	Good	Good	40+	B1	6.6	137
T314	Oak (English)	On	16.0	1	Yes	880	10.0-9.0-10.0-9.0	4.0	4.0	None	M	None	Prominent oak of excellent form and condition. Ditch to the south	Good	Good	40+	A1	10.6	350
T315	Oak (English)	On	5.0	1	Yes	200	1.0-2.0-1.0-2.0	1.0	1.0	None	SM	None	Establishing oak; side flailed	Good	Fair	40+	C1	2.4	18
T316	Oak (English)	On	5.0	1	Yes	200	1.0-2.0-1.0-2.0	1.0	1.0	None	SM	None	Establishing oak; side flailed	Good	Fair	40+	C1	2.4	18

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T317	Oak (English)	On	10.0	1	Yes	270	5.0-5.0-5.0-5.0	3.0	2.0	None	SM	None	Establishing oak of good form and condition	Good	Good	40+	B1	3.2	33
T318	Oak (English)	On	5.0	1	Yes	220	4.0-3.5-3.5-3.5	1.0	0.5	S	SM	None	Establishing oak	Good	Good	40+	B1	2.6	22
T319	Oak (English)	On	15.0	1	Yes	880	6.5-7.5-8.0-7.0	4.0	4.0	None	M	None	Prominent oak; cavity and hollowing at base; good adaptive growth.	Good	Good	40+	B3	10.6	350
T320	Oak (English)	On	17.0	1	Yes	850	10.0-9.0-9.0-7.0	4.0	4.0	None	M	None	Prominent oak of excellent form and condition. Ditch to the south	Good	Good	40+	A1	10.2	327
T321	Oak (English)	On	17.0	1	Yes	880	10.0-5.0-10.0-10.0	4.0	4.0	None	M	None	Prominent oak of excellent form and condition. Ditch to the south	Good	Good	40+	A1	10.6	350
T322	Oak (English)	On	5.0	1	Yes	200	1.0-2.0-1.0-2.0	1.0	1.0	None	SM	None	Establishing oak; side flailed	Good	Fair	40+	C1	2.4	18
T323	Oak (English)	On	5.0	1	Yes	200	3.0-3.0-3.0-3.0	1.0	1.0	None	SM	None	Establishing oak	Good	Fair	40+	B1	2.4	18
T324	Oak (English)	On	7.0	1	Yes	200	3.0-3.0-3.0-3.0	1.0	1.0	None	SM	None	Establishing oak	Good	Fair	40+	B1	2.4	18
T325	Oak (English)	On	17.0	1	Yes	900	8.0-8.0-8.5-7.0	4.0	2.0	N	M	None	Prominent oak of excellent form and condition	Good	Good	40+	A1	10.8	366
T326	Ash (Common)	On	13.0	2	Yes	320	5.0-4.0-5.0-4.0	2.0	0.5	None	SM	None	Twin stemmed from ground level; reduced vitality; ditch to the north	Fair	Fair	20+	C1	3.8	46
T327	Oak (English)	On	5.0	1	Yes	220	4.0-3.5-3.5-3.5	1.0	0.5	S	SM	None	Establishing oak	Good	Good	40+	B1	2.6	22
T328	Oak (English)	On	10.0	1	Yes	350	5.0-5.0-5.0-5.0	3.0	3.0	S	EM	None	Establishing oak	Good	Good	40+	B1	4.2	55
T329	Willow (Goat)	On	4.0	1	Yes	220	3.0-3.0-3.0-3.0	1.0	1.0	None	SM	None	Young establishing tree located within the ditch	Good	Good	20+	B1	2.6	22
T330	Oak (English)	On	16.0	1	Yes	750	7.5-7.5-7.5-7.0	4.0	3.0	S	M	None	Prominent oak of excellent form and condition	Good	Good	40+	A1	9.0	254
T331	Oak (English)	On	13.0	1	Yes	850	8.0-7.5-7.5-7.0	4.0	2.0	S	M	None	Prominent oak of excellent form and condition. Ditch to the south	Good	Good	40+	A1	10.2	327
T332	Willow (Goat)	On	4.0	4	Yes	250	3.0-3.0-3.0-3.0	1.0	1.0	None	SM	None	Young establishing tree located within the ditch	Good	Fair	20+	C1	3.0	28
T333	Oak (English)	On	12.0	1	Yes	550	5.5-5.0-4.0-4.5	4.0	2.0	W	EM	None	Storm damaged in upper crown. Ditch to the north	Good	Fair	40+	B1	6.6	137

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T334	Oak (English)	On	13.0	1	Yes	550	6.0-6.0-6.5-6.0	2.5	3.0	E	EM	None	Establishing oak. Ditch to the north	Good	Good	40+	B1	6.6	137
T335	Oak (English)	On	14.0	1	Yes	800	8.5-9.0-7.5-9.0	4.0	2.0	W	M	None	Prominent oak of excellent form and condition; part of a linear tree feature. Ditch to the north	Good	Good	40+	A2	9.6	290
T336	Oak (English)	On	14.0	1	Yes	800	7.0-7.0-7.0-6.0	4.0	3.0	None	M	None	Prominent oak of excellent form and condition; part of a linear tree feature. Ditch to the north	Good	Good	40+	A2	9.6	290
T337	Oak (English)	On	15.0	1	Yes	900	8.0-7.0-8.5-6.0	4.0	1.0	N	M	None	Prominent oak of excellent form and condition; part of a linear tree feature. Ditch to the north	Good	Good	40+	A2	10.8	366
T338	Oak (English)	On	14.0	1	Yes	620	6.0-7.0-6.5-6.0	3.0	3.0	W	EM	None	Establishing and prominent oak. Ditch to the south	Good	Good	40+	B1	7.4	174
T339	Oak (English)	On	16.0	1	Yes	850	8.0-7.0-7.0-7.5	4.0	3.5	None	M	None	Prominent oak of excellent form and condition	Good	Good	40+	A1	10.2	327
T340	Oak (English)	On	14.0	1	Yes	850	7.0-7.0-7.0-6.5	3.0	3.0	N	EM	None	Establishing and prominent oak. Ditch to the south	Good	Good	40+	B1	10.2	327
T341	Willow (Grey)	On	12.0	1	Yes	1200	6.0-7.0-6.0-6.0	3.0	2.0	W	M	None	Mature willow with storm damaged and pollarded crown. Large diameter branch stubs. Ditch to the north	Good	Good	40+	B3	14.4	651
T342	Oak (English)	On	10.0	3	Yes	390	5.0-5.0-5.0-5.0	3.0	3.0	S	EM	None	Ditch to the north. Field ploughed to the south	Good	Good	40+	B1	4.7	69
T343	Oak (English)	On	12.0	1	Yes	550	6.0-5.0-6.0-6.0	3.0	3.5	S	EM	None	Establishing and prominent oak. Ditch to the south	Good	Good	40+	B1	6.6	137
T344	Willow (Goat)	On	4.0	7	Yes	210	2.0-3.0-2.5-3.0	0.2	0.2	None	SM	None	Willow located within the ditch	Good	Fair	20+	C1	2.5	20
T345	Oak (English)	On	16.0	1	Yes	800	9.0-9.0-9.0-9.0	4.0	3.5	E	M	None	Prominent oak of excellent form and condition	Good	Good	40+	A1	9.6	290
T346	Oak (English)	On	14.0	1	Yes	580	5.5-6.0-6.0-6.5	3.0	3.0	S	EM	None	Establishing and prominent oak. Ditch to the south	Good	Good	40+	B1	7.0	152

TREE SURVEY SCHEDULE

PROJECT NO: 5410

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SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T347	Willow (Goat)	On	4.0	3	Yes	350	2.0-3.0-2.5-2.5	0.2	0.2	None	SM	None	Willow located within the ditch	Good	Fair	20+	C1	4.2	55
T348	Oak (English)	On	16.0	1	Yes	800	8.5-8.0-8.0-8.0	4.0	1.0	N	M	None	Prominent oak of good form and condition	Good	Good	40+	B1	9.6	290
T349	Oak (English)	On	14.0	1	Yes	600	5.5-5.0-6.0-6.5	3.0	4.0	None	EM	None	Establishing and prominent oak. Ditch to the south	Good	Good	40+	B1	7.2	163
T350	Oak (English)	On	13.0	1	Yes	600	6.0-6.0-6.0-6.0	3.0	3.0	S	EM	None	Ditch to the north. Field ploughed to the south	Good	Good	40+	B1	7.2	163
T351	Oak (English)	On	16.0	1	Yes	650	6.5-6.0-6.0-6.0	4.0	3.0	None	M	None	Prominent oak of good form and condition; field ploughed to the north and south	Good	Good	40+	B1	7.8	191
T352	Oak (English)	On	14.0	1	Yes	600	6.5-6.0-6.0-6.0	3.0	3.0	S	EM	None	Ditch to the north. Field ploughed to the south	Good	Good	40+	B1	7.2	163
T353	Oak (English)	On	16.0	1	Yes	800	7.0-6.0-7.0-7.0	4.0	1.5	None	M	None	Prominent oak of good form and condition; ditch to the south	Good	Good	40+	B1	9.6	290
T354	Oak (English)	On	14.0	1	Yes	550	5.5-6.0-6.0-5.5	3.0	3.0	S	EM	None	Ditch to the north. Field ploughed to the south	Good	Good	40+	B1	6.6	137
T355	Oak (English)	On	15.0	1	Yes	680	8.0-6.5-7.0-5.0	4.0	2.0	S	M	None	Prominent oak of good form and condition; ditch to the north	Good	Good	40+	B1	8.2	209
T356	Oak (English)	On	11.0	1	Yes	480	5.0-4.0-4.5-5.0	4.0	2.0	W	EM	None	Suppressed by neighbouring tree; ditch to the north	Good	Fair	40+	B1	5.8	104
T357	Oak (English)	On	16.0	1	Yes	720	7.0-7.0-7.0-7.0	4.0	2.0	S	M	None	Prominent oak of good form and condition; ditch to the north	Good	Good	40+	B1	8.6	235
T358	Oak (English)	On	13.0	1	Yes	600	6.0-5.0-4.0-4.0	4.0	3.0	N	EM	None	Forming a cohesive canopy with neighbouring tree; ditch to the south	Good	Good	40+	B1	7.2	163
T359	Oak (English)	On	15.0	1	Yes	600	6.0-5.0-6.5-6.5	4.0	4.0	W	EM	None	Forming a cohesive canopy with neighbouring tree; ditch to the north	Good	Good	40+	B1	7.2	163
T360	Oak (English)	On	16.0	1	Yes	800	9.0-9.0-9.0-9.0	4.0	3.5	E	M	None	Prominent oak of excellent form and condition	Good	Good	40+	A1	9.6	290

TREE SURVEY SCHEDULE

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CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T361	Oak (English)	On	7.0	2	Yes	300	3.0-4.0-3.5-3.5	3.0	1.0	None	SM	None	Establishing oak; twin stemmed from ground level	Good	Fair	40+	C1	3.6	41
T362	Oak (English)	On	8.0	1	Yes	850	5.0-5.0-5.0-5.0	4.0	3.0	N	M	None	Prominent oak; ditch to the north	Good	Good	40+	B1	10.2	327
T363	Oak (English)	On	14.0	1	Yes	650	6.0-7.0-6.0-6.0	4.0	3.0	N	M	None	Prominent oak; ditch to the north; storm damage low in crown	Good	Good	40+	B1	7.8	191
T364	Ash (Common)	On	11.0	3	Yes	410	5.0-4.0-3.5-4.5	3.0	0.5	S	EM	None	Ditch to the north. Existing track beyond. Mechanical wound and decay at base	Good	Fair	40+	C1	4.9	76
T365	Willow (Goat)	On	5.0	6	Yes	120	3.0-3.0-2.0-3.0	0.1	0.1	None	SM	None	Young willow coppice	Good	Fair	20+	C1	1.5	7
T366	Oak (English)	On	12.0	1	Yes	750	6.0-6.0-5.5-5.5	3.0	3.0	S	EM	None	Ditch to the north. Existing track beyond.	Good	Good	40+	B1	9.0	254
T367	Oak (English)	On	10.0	1	Yes	500	5.0-5.0-4.5-5.5	3.0	3.0	S	EM	None	Ditch to the north. Existing track beyond.	Good	Good	40+	B1	6.0	113
T368	Oak (English)	On	8.0	1	Yes	220	4.5-4.5-4.0-4.0	3.0	2.0	None	SM	None	Establishing hedgerow oak	Good	Good	40+	B2	2.6	22
T369	Oak (English)	On	10.0	1	Yes	550	6.0-6.0-6.0-6.0	3.0	2.0	None	SM	None	Establishing hedgerow oak	Good	Good	40+	B2	6.6	137
T370	Ash (Common)	On	13.0	1	Yes	600	6.0-6.0-7.0-6.5	4.0	4.0	S	M	None	Mature ash of good form and condition. Existing track to the north	Good	Good	40+	B1	7.2	163
T371	Oak (English)	On	8.0	1	Yes	380	5.0-5.0-4.5-4.0	3.0	2.0	None	SM	None	Establishing hedgerow oak	Good	Good	40+	B2	4.5	65
T372	Ash (Common)	On	8.0	1	Yes	350	5.0-4.0-4.5-5.0	3.0	2.0	None	SM	None	Establishing hedgerow ash	Good	Good	40+	B2	4.2	55
T373	Pear	On	6.0	1	Yes	570	5.0-4.5-3.0-4.5	3.0	1.0	N	M	None	Wild pear of good form and condition	Good	Good	40+	B1	6.8	147
T374	Hawthorn	On	2.0	1	Yes	90	1.0-1.0-1.0-1.0	0.2	0.2	None	SM	None	Remnant hedgerow tree/ self sewn thorn tree	Good	Fair	40+	C1	1.1	4
T375	Hawthorn	On	2.0	1	Yes	50	1.0-1.0-1.0-1.0	0.2	0.2	None	SM	None	Remnant hedgerow tree/ self sewn thorn tree	Good	Fair	40+	C1	0.6	1
T376	Oak (English)	On	8.0	1	Yes	880	5.5-5.5-5.5-5.0	3.0	2.0	None	M	None	Mature hedgerow oak ; hollowing main stem	Good	Good	40+	B3	10.6	350
T377	Oak (English)	On	10.0	2	Yes	680	6.5-5.5-5.5-6.0	3.0	2.0	None	EM	None	Establishing hedgerow oak	Good	Good	40+	B2	8.2	209
T378	Oak (English)	On	10.0	1	Yes	550	6.0-5.0-5.0-5.0	3.0	2.0	None	EM	None	Establishing hedgerow oak	Good	Good	40+	B2	6.6	137

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Top Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. 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)	BS5837 Category	RPA Radius (m)	RPA m²
T379	Oak (English)	On	15.0	1	None	660	8.0-8.0-8.0-8.0	4.0	2.5	S	EM	None	In-field tree; loss of central leader @ approx 2.5m creating a spreading form	Good	Fair	40+	B1	7.9	197
T380	Redwood (Giant)	Off	20.0	2	Yes	890	6.0-6.0-6.0-6.0	0.5	0.5	S	EM	None	Off-Order Limits; sub-dominant limb (1st sig. limb) forming sub-crown to	Good	Fair	40+	B1	10.7	358
T381	Beech (Copper)	Off	17.0	1	Yes	800	8.0-9.0-7.5-8.0	2.0	3.0	N	M	None	Off-Order Limits; typical for age & species	Good	Fair	40+	A1	9.6	290
T382	Redwood (Giant)	Off	20.0	1	Yes	700	6.0-6.0-6.0-6.0	0.5	1.0	N	EM	None	Off-Order Limits; typical for age & species	Good	Fair	40+	B1	8.4	222
T383	Poplar (Lombardy)	On	20.0	1	Yes	800	6.0-6.0-6.0-6.0	3.5	3.0	N	M	None	Established to roadside adjacent to field access; main stem splits @2m	Good	Fair	20+	B1	9.6	290
T384	Oak (English)	On	15.0	1	None	730	8.0-8.0-8.0-8.0	3.5	3.5	N	M	None	Loss of main leader @3.5m resulting in spreading form; high seat sided affixed to stem	Good	Fair	40+	A1	8.8	241
T385	Oak (English)	On	13.0	1	Yes	650	8.0-6.0-8.0-7.0	3.0	0.0	None	EM	None	Stem dia. est. @0.5m; main stem splits @1m into multiple scaffold limbs creating a wide spreading form	Good	Fair	20+	B1	7.8	191
T386	Oak (English)	On	14.0	1	Yes	600	8.0-8.0-8.0-8.0	4.0	2.5	N	EM	None	Hedgerow tree; typical for age & species	Good	Fair	40+	B1	7.2	163
T387	Ash (Common)	On	15.0	1	Yes	650	8.0-7.0-6.0-6.0	4.0	3.0	S	M	None	Mature stem with crown formed by early-mature regen; southern edge of canopy flailed for clearance	Good	Fair	20+	B1	7.8	191
T388	Oak (English)	On	14.0	1	Yes	600	7.0-8.0-7.0-8.0	4.0	3.0	W	EM	None	Hedgerow tree; typical for age & species	Good	Fair	40+	B1	7.2	163
T389	Oak (English)	On	14.0	1	Yes	600	8.0-8.0-8.0-8.0	4.0	3.0	N	EM	None	Hedgerow tree; typical for age & species	Good	Fair	40+	B1	7.2	163
T390	Oak (English)	On	14.0	1	Yes	650	8.0-8.0-8.0-8.0	4.0	3.0	N	EM	None	Hedgerow tree; recent storm damage to east of crown	Good	Fair	40+	B1	7.8	191

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T391	Oak (English)	On	15.0	1	Yes	700	8.5-8.0-8.0-7.0	4.0	3.0	E	M	None	Hedgerow tree; recent storm damage to mid crown with remedial work carried out to remove damaged limbs; no attempt made to rebalance crown	Good	Fair	40+	B1	8.4	222

GROUPS OF TREES

Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G1	Grey poplar; aspen; horse chestnut	On	10-18	50	Yes	400.0	5.0	2.0	SM	Establishing linear tree feature at the Order Limits boundary; located east and west of the steel fence. Ditch to the east	Good	Fair	40+	B2	4.8
G2	Hawthorn; ash; maple; crab apple; sycamore	On	8-12	60	Yes	330.0	3.0	1.0	Y	Establishing linear tree feature on the edge of the field; on the NE side of the ditch running along the edge. Ditch to the west.	Good	Good	40+	C2	3.9
G3	Hybrid black poplar	On	25-28	5	Yes	1200.0	12.0	8.0	M	Prominent linear tree feature. Mature poplar trees located at the Order Limits boundary. Ditch to the east	Good	Fair	40+	B2	14.4
G4	Damson	On	3-5	3	Yes	200.0	3.0	0.5	EM	Group of damson/bullace trees located on the fenceline	Good	Fair	20+	C2	2.4
G5	Hawthorn;blackthorn; willow; ash	On	6-8	2	Yes	220.0	2.0	1.0	Y	Establishing group of mostly hawthorn; running alongside edge of boundary	Good	Fair	40+	C2	2.6
G6	Willow	On	3-5	4	Yes	200.0	3.0	0.5	EM	Group of dwarf willow trees located on the fenceline	Good	Fair	20+	C2	2.4
G7	Common ash	On	3-5	2	Yes	200.0	3.0	0.5	EM	Group of ash stems trees located on the fenceline	Good	Fair	20+	C2	2.4
G8	Common ash	On	8-13	12	Yes	325.0	5.0	2.0	SM	Establishing off Order Limits trees with significant future growth potential	Good	Fair	40+	C2	3.9
G9	Hawthorn; blackthorn; common ash; field maple	On	3-10	150	Yes	200.0	4.0	0.1	SM	Collectively forming a prominent feature. Predominantly scrub with as an maple establishing within. Ditch to the north	Good	Fair	40+	B2	2.4
G10	Goat willow	On	10-12	2	Yes	250.0	5.0	0.5	SM	Establishing trees at the Order Limits boundary	Good	Fair	40+	C2	3.0

TREE SURVEY SCHEDULE

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SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G11	English oak; Lombardi poplar; robinia	On	8-15	5	Yes	550.0	7.0	1.0	EM	Establishing broadleaf trees forming a largely cohesive canopy	Good	Good	40+	B2	6.6
G12	Silver birch; goat willow	On	5-10	3	Yes	400.0	4.0	0.5	EM	Part of a linear tree feature that is predominantly birch. Deep ditch then track to the west	Good	Good	40+	B2	4.8
G13	Silver birch; English oak	On	6-10	3	Yes	400.0	4.0	0.5	EM	Part of a linear tree feature that is predominantly birch. Deep ditch then track to the west	Good	Good	40+	B2	4.8
G14	Silver birch; English oak	On	6-10	8	Yes	400.0	4.0	0.5	EM	Part of a linear tree feature that is predominantly birch. Deep ditch then track to the west	Good	Good	40+	B2	4.8
G15	Goat willow; hawthorn; birch;	On	8-11	90	Yes	260.0	2.5	0.5	EM	Establishing linear tree feature; ditch to the NE	Good	Good	40+	C2	3.1
G16	Willow; silver birch; hawthorn	On	5-7	4	Yes	200.0	3.0	0.5	SM	3 stem birch surrounded by willow & thorn; in line with similar species group however 15m gap between the two groups. Located in shallow ditch	Good	Fair	20+	C2	2.4
G17	Silver birch	On	8-10	4	Yes	300.0	4.0	0.5	EM	Part of a linear tree feature that is predominantly birch. Deep ditch then track to the west	Good	Good	40+	B2	3.6
G18	Silver birch	On	8-10	2	Yes	300.0	4.0	0.5	EM	Part of a linear tree feature that is predominantly birch. Deep ditch then track to the west	Good	Good	40+	B2	3.6
G19	Silver birch; English oak	On	6-12	20	Yes	400.0	4.0	0.5	EM	Part of a linear tree feature that is predominantly birch. Deep ditch then track to the west	Good	Good	40+	B2	4.8
G20	Crack willow	On	12-18	3	Yes	850.0	9.0	1.0	M	Group of willow stems. Some have partially failed and are now layering	Good	Fair	40+	B3	10.2
G21	Crack willow	On	12-15	2	Yes	850.0	9.0	4.0	EM	Group of willow stems located on the banks of a ditch. Ditch to the east	Good	Fair	40+	B2	10.2
G22	Goat willow; blackthorn; common ash; hazel	On	3-8	25	Yes	150.0	3.0	0.5	Y	Establishing copse of broadleaf trees	Good	Fair	40+	C2	1.8
G23	Silver birch; cherry plum; hawthorn; blackthorn; crack willow	On	5-17	25	Yes	600.0	5.0	1.0	EM	Group of broadleaf trees in front of property. Existing track to the north and east	Good	Good	40+	B2	7.2
G24	Goat willow; birch	On	6	15	Yes	90.0	1.5	0.0	SM	Self seeded trees adjacent to old field access	Good	Fair	20+	C2	1.1
G25	Goat willow; birch	On	6	20	Yes	90.0	1.5	0.0	SM	Self seeded trees adjacent to old field access	Good	Fair	20+	C2	1.1
G26	Goat willow; birch; hazel; elder	On	6 - 10	30	Yes	300.0	4.0	0.0	EM	Section of outgrown hedge adjacent to old field access; sample of feature recorded where plot abuts survey area (group carries on south-west along field boundary)	Good	Fair	20+	C2	3.6
G27	Sycamore; elder	Off	3 - 15	10	None	520.0	6.0	1.0	M	Copse of sycamore to south of drainage ditch; limited understory of elder	Good	Fair	20+	B2	6.2

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G28	Crack willow; ash; elder	On	12 - 15	90	None	450.0	4.0	1.0	M	Predominantly a stand of willow established to west of drainage ditch; smaller stands of ash within feature; 1x elder to north of plot	Good	Fair	40+	B2	5.4
G29	Goat willow; hawthorn	On	2 - 4	10	None	100.0	1.5	0.0	SM	Outgrown hedge forming a sporadic group of multi-stemmed trees to field edge	Fair	Fair	10+	C2	1.3
G30	Sycamore; ash; elder	On	2 - 8	4	None	140.0	2.0	0.5	SM	Sporadic group of multi-stemmed trees to field edge	Fair	Fair	10+	C2	1.7
G31	Hawthorn; ash	On	3 - 6	3	None	120.0	2.5	0.0	SM	Multi-stemmed trees to field edge	Fair	Fair	10+	C2	1.5
G32	Sycamore; oak; ash	Off	8	3	None	280.0	4.0	1.0	SM	Close grown forming a cohesive crown	Good	Fair	20+	B2	3.3
G33	Oak	On	12	4	Yes	220.0	3.5	0.0	SM	Close grown; forming a cohesive crown	Good	Fair	20+	C2	2.6
G34	Sycamore; hawthorn	Off	15	4	Yes	350.0	6.0	0.0	EM	Off-Order Limits trees separated from survey area by significant ditch	Good	Fair	20+	B2	4.2
G35	Goat willow	On	6	2	Yes	110.0	3.0	0.0	SM	Typical for age & species	Good	Fair	20+	C2	1.3
G36	Crack willow; goat willow; alder; hawthorn	On	2 - 12	20	Yes	300.0	4.0	0.0	EM	Stand of early-mature willow with smaller willow re-gen; 1x alder & occasional small thorn	Good	Fair	20+	B2	3.6
G37	Crack willow	On	15	10	Yes	280.0	4.0	0.0	EM	Stand of willow adjacent to pond	Good	Fair	20+	B2	3.3
G38	Goat willow	On	8	20	Yes	120.0	2.0	0.0	SM	Stand of willow adjacent to pond	Good	Fair	20+	C2	1.5
G39	Crack willow	On	18	7	Yes	420.0	6.0	0.0	M	Stand of trees adjacent to pond	Good	Fair	20+	B2	5.0
G40	Crack willow; ash; hawthorn	On	3 - 17	5	None	540.0	5.0	0.0	M	2x mature willow dominate plot; 2x early-mature ash to north of plot; small thorn to south of plot	Good	Fair	20+	B2	6.5
G41	Crack willow; hawthorn; elder	On	3 - 17	6	None	450.0	5.0	0.0	M	4x mature willow dominate plot; mature thorn & elder to north of plot	Good	Fair	20+	B2	5.4
G42	Sycamore	Off	15	4	Yes	350.0	6.0	0.0	EM	Off-Order Limits trees separated from survey area by significant ditch	Good	Fair	20+	B2	4.2
G43	Sycamore	Off	15	2	Yes	350.0	6.0	0.0	EM	Off-Order Limits trees separated from survey area by significant ditch	Good	Fair	20+	B2	4.2
G44	Willow; birch	On	5 - 8	7	Yes	150.0	2.5	0.0	Y	Established adjacent to pond	Good	Fair	20+	C2	1.8
G45	Willow	On	16	2	Yes	550.0	6.0	0.0	M	2x multi-stemmed willow forming a cohesive crown	Good	Fair	20+	B2	6.6
G46	Willow; ash	On	12 - 17	3	Yes	550.0	6.0	0.0	M	2x multi-stemmed willow with semi-mature ash to centre of plot	Good	Fair	20+	B2	6.6

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

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G47	Crack willow; ash; alder; hawthorn; gorse	On	6 - 15	70	None	450.0	4.0	1.0	M	Predominantly a stand of willow established to east of drainage ditch; smaller stands of alder & ash within feature; new hedge established to east of plot	Good	Fair	40+	B2	5.4
G48	Crack willow; ash; alder; hawthorn	On	6 - 14	85	None	450.0	4.0	1.0	M	Predominantly a stand of willow established to east of drainage ditch; smaller stands of alder & ash within feature; new hedge established to east of plot	Good	Fair	40+	B2	5.4
G49	Crack willow; ash; oak; alder; hawthorn	On	8 - 14	40	None	450.0	3.0	3.0	EM	Typical for age & species	Good	Fair	20+	B2	5.4
G50	Crack willow; ash; oak; hazel; hawthorn	On	3 - 14	30	None	400.0	3.0	3.0	EM	Typical for age & species	Good	Fair	20+	B2	4.8
G51	Sycamore	On	12	8	None	300.0	3.5	3.0	SM	Typical for age & species	Good	Fair	20+	C2	3.6
G52	Lime; hawthorn	On	2 - 18	2	None	650.0	7.0	3.0	M	Typical for age & species - 2x lime with 1x thorn	Good	Fair	40+	B2	7.8
G53	Ash; cherry; Scot's pine; sycamore; hawthorn	On	2 - 15	15	None	450.0	3.5	2.0	EM	Stand of trees established on old boundary; newly planted hedge within plot	Good	Fair	40+	B2	5.4
G54	Sycamore; lime	On	16	3	None	600.0	6.0	3.5	M	Typical for age & species	Good	Fair	20+	B2	7.2
G55	Lime	On	6 - 12	16	None	640.0	3.5	3.0	EM	Topped stems x9 to south of plot to clear over head power lines	Good	Fair	20+	B2	7.7
G56	Sycamore; oak; lime; hawthorn	On	3 - 16	40	None	650.0	6.5	3.5	M	Stand of trees established adjacent to track; hedge with sporadic gaps within plot	Good	Fair	40+	B2	7.8
G57	Lime	On	18	3	None	700.0	6.0	3.5	M	Typical for age & species	Good	Fair	40+	B2	8.4
G58	Hornbeam; cherry; ash; horse chestnut; sycamore; hawthorn	On	8 - 12	36	None	400.0	3.0	1.5	EM	Stand of trees established on old boundary; newly planted hedge within plot	Good	Fair	40+	B2	4.8
G59	Beech; sycamore	On	16	4	None	800.0	7.5	3.5	M	Stand of trees established adjacent to track	Good	Fair	40+	B2	9.6
G60	Beech; sycamore	On	16	7	None	800.0	7.0	3.5	M	Stand of trees established adjacent to track	Good	Fair	40+	B2	9.6
G61	Norway spruce; willow	On	4 - 12	20	None	500.0	3.0	1.0	EM	Early-mature willow pollard with self-seeded thicket of young stems; 2x spruce planted to north of plot	Good	Fair	10+	C2	6.0
G62	Lime	On	14 - 18	2	None	650.0	6.0	3.0	EM	Larger stem to west dominates plot	Good	Fair	40+	B2	7.8
G63	Lime	On	17	2	None	600.0	4.5	3.0	EM	Typical for age & species	Good	Fair	40+	B2	7.2
G64	Sycamore	On	14	2	None	500.0	4.0	3.0	EM	Typical for age & species	Good	Fair	20+	B2	6.0

TREE SURVEY SCHEDULE

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SURVEYOR: DAVID HOLMES IAN HOWELL

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Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G65	Sycamore; lime; hawthorn	On	2 - 14	7	None	500.0	4.5	3.5	EM	Stand of trees adjacent to track within maintained thorn hedge	Good	Fair	20+	B2	6.0
G66	Poplar	On	16 - 18	5	None	100.0	8.0	3.0	M	Stem to east of group appears to be old pollard. Recommend this be re-pollarded at approx 2m due to decay within bole	Good	Fair	20+	B2	1.3
G67	Sycamore; cherry; ash; lime; hawthorn	On	2 - 15	25	None	550.0	5.0	3.0	EM	Stand of trees established adjacent to track	Good	Fair	20+	B2	6.6
G68	Sycamore; hawthorn	On	2 - 15	4	None	690.0	5.5	3.5	M	Stand of trees adjacent to track within maintained thorn hedge	Good	Fair	20+	B2	8.3
G69	Poplar	On	20	2	None	1000.0	8.0	6.0	M	Stem to north of group has significant decay pocket. Recommend this be reduced at approx 6m & retained as habitat stem	Good	Fair	20+	B2	12.0
G70	Sycamore	On	13	2	None	400.0	5.0	3.0	EM	Typical for age & species	Fair	Fair	20+	B2	4.8
G71	Sycamore; ash; hawthorn; elder	On	2 - 15	25	Yes	500.0	5.0	3.5	EM	Stand of trees adjacent to track with remnants of thorn hedge	Good	Fair	20+	B2	6.0
G72	Sycamore; oak; ash; lime; hawthorn; elder	On	2 - 15	60	Yes	600.0	5.0	3.5	M	Stand of trees adjacent to track with remnants of thorn hedge	Good	Fair	20+	B2	7.2
G73	Sycamore	On	14 - 15	2	None	400.0	5.0	3.5	EM	Typical for age & species	Good	Fair	20+	B2	4.8
G74	Sycamore; lime; hawthorn; elder	On	3 - 14	10	Yes	5.0	4.0	3.5	M	Stand of trees adjacent to track	Good	Fair	20+	B2	0.0
G75	Crack willow; ash; alder; hawthorn	On	3 - 15	30	Yes	500.0	4.0	3.0	M	Typical for age & species	Good	Fair	20+	B2	6.0
G76	Sycamore; field maple	On	12	4	Yes	450.0	4.0	3.0	EM	Stand of trees adjacent to track	Good	Fair	20+	B2	5.4
G77	Sycamore; birch; hawthorn	On	4 - 12	7	Yes	420.0	4.0	3.0	EM	Stand of trees adjacent to track	Good	Fair	20+	B2	5.0
G78	Sycamore; birch; field maple; aspen; goat willow	On	4 - 14	37	Yes	380.0	4.0	3.0	EM	Stand of trees adjacent to track	Good	Fair	20+	B2	4.5
G79	Crack willow; ash	On	12 - 16	7	None	650.0	6.0	4.5	M	Typical for age & species - 3x mature willow & 1x semi-mature ash	Good	Fair	20+	B2	7.8
G80	Goat willow	On	8	5	None	350.0	2.5	3.0	SM	Typical for age & species	Good	Fair	20+	C2	4.2
G81	Crack willow; ash	On	12 - 16	7	None	550.0	4.5	3.0	M	Typical for age & species - 2x mature willow & 5x semi-mature ash	Good	Fair	20+	B2	6.6
G82	Goat willow	On	8	3	None	280.0	2.5	3.0	SM	Typical for age & species	Good	Fair	20+	C2	3.3
G83	Crack willow; ash	On	12 - 16	8	None	550.0	4.5	3.0	M	Typical for age & species - 5x mature willow & 3x semi-mature ash	Good	Fair	20	B2	6.6

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G84	Ash	On	10	3	None	300.0	3.0	2.0	SM	Typical for age & species.	Good	Fair	10+	C2	3.6
G85	Crack willow	On	14 - 15	2	None	500.0	4.5	3.0	M	Typical for age & species	Good	Fair	20+	B2	6.0
G86	Sycamore; blackthorn	On	12	40	None	350.0	4.0	1.5	EM	Stand of trees established to wear of access track; multi-stemmed trees with occasional dead stems	Fair	Fair	20+	B2	4.2
G87	Crack willow; ash; alder; hawthorn	On	6 - 12	60	None	400.0	3.0	1.0	EM	Stand of trees established to east of drainage ditch; crowns partly in contact with overhead lines; sporadic gaps; new hedge established to east of plot	Good	Fair	40+	B2	4.8
G88	Crack willow; ash; alder; hawthorn; gorse	On	6 - 12	60	None	400.0	3.0	1.0	EM	Stand of trees established to east of drainage ditch; crowns partly in contact with overhead lines; sporadic gaps; new hedge established to east of plot	Good	Fair	40+	B2	4.8
G89	Sycamore; alder; field maple; hawthorn; hazel	On	2 - 14	50	None	300.0	4.0	2.5	EM	Stand of trees (maple & alder) established to north of ditch; maintained thorn & hazel hedge to south of ditch flanking access track	Good	Fair	20+	B2	3.6
G90	Oak; sycamore; ash; crack willow; hawthorn; blackthorn	On	3 - 14	100	Yes	300.0	4.0	0.0	SM	Outgrown hedge with established trees; predominantly willow which have been coppiced @1.5m; lower field sides flailed for clearance; to north of drainage ditch	Good	Fair	40+	B2	3.6
G91	Oak; sycamore; ash; crack willow; hawthorn; blackthorn	On	3 - 14	130	Yes	300.0	4.0	0.0	SM	Outgrown hedge with established trees; lower field sides flailed for clearance; to north of drainage ditch	Good	Fair	40+	B2	3.6
G92	Ash; alder; willow; blackthorn	On	9	40	None	350.0	4.0	0.0	EM	Topped beneath overhead power lines @3m	Good	Fair	20+	C2	4.2
G93	Sycamore; oak	Off	8	5	None	250.0	3.0	0.5	SM	Even-aged trees; separated from survey area by significant ditch	Good	Fair	20+	C2	3.0
G94	Sycamore; oak	Off	8	7	None	250.0	3.0	0.5	SM	Even-aged trees; separated from survey area by significant ditch	Good	Fair	20+	C2	3.0
G95	Willow	On	12 - 15	2	Yes	300.0	6.0	0.0	EM	Established adjacent to pond	Good	Fair	20+	B2	3.6
G96	Goat willow; sycamore; hawthorn	On	6 - 8	23	None	350.0	4.0	0.0	SM	Trees down both sides of ditch	Good	Fair	20+	C2	4.2
G97	Crack willow; alder; ash; oak; elder	On	3 - 6	50	None	440.0	4.0	0.0	EM	Topped beneath overhead power lines @4m; re-gen now in contact with conductors	Good	Fair	20+	B2	5.3
G98	Alder; hornbeam; horse chestnut; oak	On	6 - 10	7	None	350.0	4.5	0.5	SM	Even-aged trees	Good	Fair	20+	B2	4.2
G99	Ash; oak; hawthorn; elder	On	3 - 16	10	None	600.0	6.0	0.5	EM	Adjacent to ditch	Good	Fair	20+	B2	7.2

TREE SURVEY SCHEDULE

PROJECT NO: 5410

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SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G100	Oak; birch; horse chestnut	On	6 - 10	4	None	350.0	4.5	0.5	SM	Even-aged trees	Good	Fair	20+	C2	4.2
G101	Willow	On	12	4	Yes	600.0	4.5	0.0	M	Topped @4m beneath overhead power lines with re-gen now in contact with conductors; tree to north-east corner of plot shows cavity (caused by fire damage) & partial crack through main stem - recommend this tree be felled.	Good	Fair	20+	B2	7.2
G102	Crack willow; hawthorn	On	2 - 12	40	Yes	300.0	4.0	0.0	EM	Stand of early-mature willow with smaller re-gen & occasional small thorn	Good	Fair	20+	B2	3.6
G103	Goat willow; horse chestnut	On	4 - 6	3	Yes	200.0	4.0	0.0	SM	2x multi-stemmed willow & 1x small chestnut	Good	Fair	20+	C2	2.4
G104	Goat willow	On	5	7	Yes	120.0	2.5	0.0	SM	Typical for age & species	Good	Fair	20+	C2	1.5
G105	Willow; ash	On	5	12	Yes	350.0	2.0	0.0	EM	All stems (with the exception of 1x willow to south of plot) topped @2m beneath overhead power lines	Fair	Fair	20+	C2	4.2
G106	Goat willow	On	5.5	11	Yes	140.0	3.0	0.0	SM	Typical for age & species	Good	Fair	20+	C2	1.7
G107	Willow; ash	On	5	30	Yes	350.0	2.0	0.0	EM	All stems topped @2m beneath overhead power lines	Fair	Fair	20+	C2	4.2
G108	Willow; ash; elm; elder	On	2 - 18	57	Yes	500.0	6.0	0.0	M	Predominantly willow; linear feature established to boundary	Good	Fair	20+	B2	6.0
G109	Crack willow; hybrid black poplar; hawthorn; elder	Off	2 - 18	80	Yes	550.0	7.0	0.5	EM	Off-Order Limits stand of willow & poplar separated from survey area by drainage ditch; thorn & elder occurs as understory; sample of feature recorded where plot abuts survey area	Good	Fair	40+	B2	6.6
G110	Sycamore	On	15	3	Yes	450.0	6.0	0.0	EM	Close grown multi stemmed trees forming a cohesive crown; established to east of drainage ditch	Good	Fair	20+	B2	5.4
G111	Goat willow; hawthorn	On	3 - 10	50	Yes	200.0	4.5	0.0	SM	Off-Order Limits trees separated from survey area by significant ditch; thorn occurs as formally established hedge to south of plot	Good	Fair	20+	B2	2.4
G112	Oak; ash; willow; hawthorn; blackthorn; hazel; holly	On	2 - 16	350	Yes	450.0	6.0	0.0	EM	Linear feature established to west of acres route	Good	Fair	40+	B2	5.4
G113	Sycamore	On	10 - 15	3	None	500.0	5.0	0.5	M	Group adjacent to ditch	Good	Fair	20+	B2	6.0
G114	Ash	On	15	2	Yes	600.0	6.0	3.0	M	Both stems show extensive cavitation to main stems with historic storm damage to upper crowns; shaggy brackets visible to main stems; minor deadwood within crowns & debris on floor. Recommend both stems be reduced to habitat monoliths @5 - 6m	Fair	Poor	10+	C3	7.2

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SURVEY DATE:10-12/01/2023

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G115	Sycamore; hawthorn; blackthorn; elder	On	3 - 15	15	None	400.0	4.5	0.0	EM	Outgrown hedge	Good	Fair	20+	B2	4.8
G116	Sycamore; lime; Scot's pine; cypress	Off	13 - 16	8	Yes	550.0	6.0	3.0	EM	Off-Order Limits trees growing to Order Limits boundary	Good	Fair	40+	B2	6.6
G117	Oak	On	6	2	Yes	220.0	2.5	2.0	SM	No significant defects at time of inspection	Good	Good	40+	B2	2.6
G118	Sycamore	On	12	3	None	450.0	5.0	3.0	SM	Roadside trees forming a cohesive crown	Fair	Fair	20+	C2	5.4
G119	Ash	On	10 - 12	3	None	400.0	5.0	3.0	SM	Roadside trees forming a cohesive crown; small multi-stemmed tree to centre showing basal damage & associated decay; tree to west of plot showing reduced vigour	Fair	Fair	20	C2	4.8
G120	Sycamore	On	14 - 16	2	Yes	700.0	7.0	4.0	M	Close grown; established to east of drainage ditch	Good	Fair	20+	B2	8.4
G121	Sycamore	On	15	2	Yes	700.0	6.0	3.5	EM	Close grown; established to east of drainage ditch	Good	Fair	20+	B2	8.4
G122	Sycamore	On	14	2	Yes	650.0	6.0	3.5	M	Close grown co-dominant trees; established to east of drainage ditch	Good	Fair	20+	B2	7.8
G123	Lime; sycamore; horse chestnut; beech; elder	Off	3 - 16	14	Yes	700.0	7.0	0.0	M	Stand of trees on adjacent Order Limits which is separated from survey area by drainage ditch; elder occurs as understory	Good	Fair	40+	B2	8.4
G124	Lime; sycamore	Off	5.5	12	None	250.0	2.0	0.0	EM	Stand of trees on adjacent Order Limits which is separated from survey area by drainage ditch; multi-stemmed trees which have been topped @4m beneath overhead power lines	Fair	Fair	20+	C2	3.0
G125	Birch; hawthorn	On	3 - 10	3	None	250.0	4.0	1.0	SM	Trees established on embankment to west of pond	Good	Fair	20+	B2	3.0
G126	Willow; birch	On	12 - 16	38	None	350.0	3.5	1.0	EM	Trees established on embankment to west of pond	Good	Fair	20+	B2	4.2
G127	Willow; birch	On	8 - 10	30	None	150.0	2.0	0.0	SM	Trees established to west of pond	Good	Fair	20+	B2	1.8
G128	Sycamore	On	8 - 10	3	None	240.0	3.5	0.5	SM	Trees forming a cohesive crown	Good	Fair	20+	B2	2.9
G129	Willow; birch	On	5 - 8	20	None	100.0	3.0	0.0	SM	Sporadic group established around pond	Good	Fair	20+	C2	1.3
G130	Sycamore	On	8	2	None	200.0	3.5	0.5	SM	Typical for age & species	Good	Fair	20+	B2	2.4
G131	Willow	On	5	3	None	100.0	3.0	0.0	SM	Group established around pond	Good	Fair	20+	C2	1.3
G132	Willow; birch	On	5 - 8	3	None	100.0	3.0	0.0	SM	Sporadic group established around pond	Good	Fair	20+	C2	1.3

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G133	Willow; birch	On	5 - 8	5	None	120.0	2.0	0.0	SM	Sporadic group established around pond	Good	Fair	20+	C2	1.5
G134	Birch	On	10	4	None	350.0	5.0	0.5	EM	Sporadic group established to south of pond	Good	Fair	20+	B2	4.2
G135	Birch	On	5	7	None	100.0	2.0	0.0	SM	Sporadic group established on embankment to south of pond	Good	Fair	20+	C2	1.3
G136	Birch	On	5	12	None	120.0	2.0	0.0	SM	Sporadic group established on embankment to south of pond	Good	Fair	20+	C2	1.5
G137	Ash	On	12	17	None	250.0	3.5	0.0	SM	Group established on embankment to south of pond	Good	Fair	20+	B2	3.0
G138	Goat willow	On	6	2	None	350.0	1.5	0.0	EM	Within drainage ditch; stem to north has failed; stem to south partially fractured	Fair	Fair	10+	C2	4.2
G139	Goat willow	On	6	2	None	380.0	1.5	0.0	EM	Within drainage ditch	Good	Fair	20+	C2	4.5
G140	Cherry; hawthorn; elder	On	2 - 10	80	Yes	150.0	4.0	0.0	SM	Established on fly over embankment	Good	Fair	20+	B2	1.8
G141	Ash	On	10	3	None	360.0	5.5	3.0	EM	Group of ash at corner of field; large full crown	Good	Good	20+	C2	4.3
G142	English elm	Off	8	2	None	110.0	1.0	2.0	None	Dead elm along boundary	None	None	None	U	1.3
G143	Sycamore; English elm; willow	Off	6-8	15	None	340.0	1.0	2.0	EM	along field boundary. Previously flailed along side. Begins to slightly overhang field at 5m high.	Good	Fair	20+	C2	4.1
G144	Lime; willow	Off	1-7m	5	None	310.0	3.0	2.0	EM	ID was difficult; black oval buds. Grouped together with flailed willow all along boundary	Good	Good	40+	B2	3.7
G145	Ash; elm	Off	6-8	10	None	290.0	2.5	1.5	EM	along field boundary. Previously flailed along side. Begins to slightly overhang field at 5m high	Good	Fair	20+	C2	3.5
G146	Maple	Off	3-4	9	None	80.0	1.0	0.5	SM	along field boundary. Previously flailed along side & height; currently outgrown. Trimmed height 2m; currently 3-4m	Good	Fair	20+	C2	1.0
G147	Willow; hawthorn	Off	3-4	4	None	310.0	2.0	0.5	EM	along field boundary. Previously flailed along side & height; currently outgrown. Trimmed height 2m; currently 3-4m	Good	Fair	40+	C2	3.7
G148	Willow	On	3-4	5	None	290.0	1.0	0.5	EM	3 groupings of willow together; along field boundary. Previously flailed along side & height; currently outgrown. Trimmed height 2m; currently 3-4m	Good	Fair	40	C2	3.5
G149	Crack willow; ash	On	6 - 8	5	Yes	150.0	2.5	0.0	SM	Establishing to north of drainage ditch	Good	Fair	20	C2	1.8
G150	Crack willow; birch; goat willow	On	4 - 6	20	Yes	100.0	1.5	0.0	SM	Establishing within drainage ditch	Good	Fair	20	C2	1.3

TREE SURVEY SCHEDULE

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SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

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Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G151	Goat willow; birch	On	4 - 6	10	Yes	100.0	1.5	0.0	SM	Establishing within drainage ditch	Good	Fair	20	C2	1.3
G152	Willow	Off	5-7	5	None	70.0	2.0	0.5	SM	Located within water logged ditch along boundary; barbed fencing has grown into two of the trees	Good	Good	40	B2	0.8
G153	Oak	On	7	2	None	260.0	3.0	1.2	SM	Fence grown into cambium at 1m on south sided tree. Canopy equally shared between the two; no branch rubbing currently present	Good	Good	40	B2	3.1
G154	Eucalyptus	Off	9-12	6	None	330.0	2.0	1.0	EM	Uniform tree group at end of field; swaying in wind as expected of age and species	Good	Good	40	B2	3.9
G155	Willow; leylandii; silver birch	Off	6-10	40	None	380.0	2.0	5.0	EM	Willow on edge of garden; in line with leylandii tree group around 8m high; flailed along the side up to 5m; averaging 4m. Located along private property boundary.	Good	Fair	40	C2	4.5
G156	Willow;	On	5-8	5	None	250.0	2.0	1.0	SM	Small group along ditch; ditch to the south. Unable to access to see trees on motorway side; believe all same species.	Good	Good	40	C2	3.0
G157	Hybrid black poplar	Off	18	28	None	650.0	7.0	3.0	M	Stand of trees forming a cohesive crown; growing to Order Limits boundary	Good	Fair	40	B2	7.8
G158	Alder; horse chestnut; oak; field maple; beech	Off	3-8	60	None	540.0	2.5	0.5	EM	Group of trees to cover driveway to farm	Good	Good	40	B2	6.5
G159	Hybrid black poplar	Off	18	13	None	650.0	7.0	3.0	M	Stand of trees forming a cohesive crown; growing to Order Limits boundary	Good	Fair	40	B2	7.8
G160	White poplar	Off	8 - 18	4	None	700.0	7.0	3.0	M	Stand of trees forming a cohesive crown; growing to Order Limits boundary at rear of outbuilding	Good	Fair	40	B2	8.4
G161	White poplar; aspen; apple; cypress	Off	8 - 18	4	None	600.0	7.0	3.0	M	Stand of trees forming a cohesive crown; growing to Order Limits boundary	Good	Fair	40	B2	7.2
G162	Lombardy poplar; white poplar; aspen; apple	Off	12 - 18	13	None	700.0	7.0	3.0	M	Stand of trees forming a cohesive crown; growing to Order Limits boundary	Good	Fair	40	B2	8.4
G163	Aspen; hybrid black poplar; cherry	Off	18	10	None	650.0	7.0	3.0	M	Stand of trees forming a cohesive crown; formally established as avenue; single cherry to south of plot; adjacent to field access	Good	Fair	40	B2	7.8
G164	Aspen	Off	18	3	None	650.0	7.0	3.0	M	3x trees forming a cohesive crown; adjacent to field access	Good	Fair	40	B2	7.8
G165	Lombardy poplar; white poplar; ash; lime	Off	12 - 18	6	None	700.0	7.0	3.0	M	Stand of trees forming a cohesive crown; growing to west of outbuilding	Good	Fair	40	B2	8.4

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G166	Aspen; hybrid black poplar; apple; birch; lime; white poplar; cherry	Off	8 - 18	40	None	800.0	7.0	3.0	M	Stand of trees forming a cohesive crown; formally established as avenue	Good	Fair	40	B2	9.6
G167	Elder	On	2.5	2	None	140.0	1.0	1.0	M	Ditch to the South. Large snapped branches; not a prime specimen	Fair	Poor	10	C2	1.7
G168	Crack Willow	On	5-7	5	None	350.0	5.0	0.5	M	A large multi stem surrounded by smaller willows; overhanging boundary fence by2m. Phrase for being quite leggy needed; no branches in the middle really	Good	Good	40	B1	4.2
G169	Hawthorn; ash; willow; silver birch	On	4-8	20	None	230.0	2.0	0.5	EM	Slightly dispersed group along water logged ditch to the west.	Good	Fair	40	C2	2.8
G170	Hawthorn	On	4.5	4	None	170.0	2.0	0.5	EM	Slightly dispersed group along water logged ditch to the west.	Good	Fair	40	C2	2.0
G171	Hawthorn	On	3-5	2	None	220.0	3.0	0.5	M	Along water logged ditch to the west.	Good	Good	40	C2	2.6
G172	Hawthorn; elder	On	4	4	None	220.0	2.0	1.0	EM	Slightly dispersed group along water logged ditch to the west.	Good	Fair	40	C2	2.6
G173	Oak	On	5-6	4	None	360.0	4.0	1.5	EM	Group of oak;suitably placed to allow for growth. No significant defects at present. One alongside water logged ditch to the W	Good	Good	40	B2	4.3
G174	Elder - check	On	3.5	2	None	100.0	2.0	1.0	EM	Along field boundary; water logged ditch to the W	Poor	Fair	10	C2	1.3
G175	Hawthorn; blackthorn	Off	3	10	None	100.0	2.0	0.0	EM	Alongside motorway & boundary	Good	Fair	40	C2	1.3
G176	Willow	On	4	3	None	80.0	2.0	1.0	Y	OnW side of bunt which ends 2m after willow	Good	Good	40	C2	1.0
G177	Hawthorn	On	4	3	None	140.0	2.0	1.0	EM	Slight dispersed group along field boundary	Good	Fair	40	C2	1.7
G178	Scots pine; blackthorn;	Off	6	6	None	270.0	4.0	1.0	EM	Newly established mixed group of trees running between motorway and Order Limits. Ditch N of group.	Good	Good	40	B2	3.2
G179	Hawthorn	On	3	3	None	100.0	2.0	1.0	EM	Slight dispersed group along field boundary	Fair	Fair	20	C2	1.3
G180	Hawthorn	On	3	8	None	100.0	2.0	1.0	EM	Slight dispersed group along field boundary	Fair	Fair	20	C2	1.3
G181	Hawthorn	On	3	5	None	100.0	2.0	1.0	EM	Group of dying/dead running along field boundary	Poor	Poor	<10	U2	1.3
G182	Scots pine; oak; silver birch; Monterey cypress	Off	6-8	20	None	410.0	4.0	1.0	SM	Newly established mixed group of trees running between motorway and Order Limits. Ditch N of group.	Good	Good	40	B2	4.9

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G183	Sycamore	Off	6-8	3	None	335.0	4.0	2.0	EM	3x sycamore evenly spaced with crowns overlapping by 1-2m.	Good	Good	40	B2	4.0
G184	Sycamore; hawthorn; elder	Off	4-8	4	None	230.0	3.0	0.5	EM	Large sycamore multistem (8) with hawthorn to the S. Ditch to the E.	Good	Good	40	B2	2.8
G185	Silver birch; cherry; holly; hawthorn; Norway spruce	On	5-7	10	None	200.0	3.0	0.5	EM	Along boundary	Good	Good	40	C2	2.4
G186	Oak;hawthorn; field maple; blackthorn; goat willow	Off	6	15	None	330.0	3.0	1.0	SM	Newly established mixed group of trees running between motorway and Order Limits. Ditch N of group.	Good	Good	40	B2	3.9
G187	Spruce; laurel; cherry; Norway maple	On	3-7	10	None	300.0	3.0	2.5	EM	Assorted group of trees along private property boundary. Swings attached to 2x spruce. 1x 1.5m stump with fungal bracket present	Good	Good	40	C2	3.6
G188	Oak;hawthorn; field maple; blackthorn; alder	Off	6	200	None	350.0	2.0	1.0	SM	Newly established mixed group of trees running between motorway and Order Limits. Ditch N of group.	Good	Good	40	B2	4.2
G189	Leylandii	Off	6	12	None	320.0	3.0	2.0	M	Line of conifer trees; unmanaged & used as a screen for private property towards road	Good	Good	40	B2	3.8
G190	Oak	On	5	2	Yes	235.0	3.0	2.0	SM	Two oaks growing in unison; branches below 2.5m have been flailed. Branch S at 3m; large tear with dead branch still attached. No other significant defects	Good	Fair	40	C2	2.8
G191	Oak	On	6.5	2	Yes	350.0	4.0	2.0	EM	Two oaks growing in unison; oak to N side more prominent as more established crown; branches below 2.5m have been flailed. No other significant defects.	Good	Fair	40	C2	4.2
G192	Hawthorn	On	3 - 8	2	None	350.0	3.0	0.0	M	Established to northern embankment of drainage ditch	Good	Fair	20	B2	4.2
G193	Blackthorn; hawthorn; elder	On	7-12	8	Yes	380.0	4.0	3.0	M	Overgrown hedge; acting as a field boundary	Good	Good	40	C2	4.5
G194	Blackthorn; hawthorn; elder	On	7-12	12	Yes	300.0	2.0	1.0	M	Overgrown hedge; acting as a field boundary	Good	Good	40	C2	3.6
G195	Ash; hawthorn	Off	5 - 6	3	Yes	120.0	2.0	0.0	SM	To south of significant drainage ditch; topped beneath overhead power lines	Good	Fair	10	C2	1.5
G196	Hawthorn; blackthorn ; crab apple	Off	7-9m	30	Yes	450.0	3.0	1.0	EM	Tree group within private property running alongside body of water	Good	Good	40	C2	5.4
G197	Scot's pine; larch; ash; sycamore	On	6 - 8	12	None	390.0	4.0	1.0	EM	Roadside group; predominantly pine which have been topped @6m	Good	Fair	20	B2	4.7

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G198	Scot's pine; Lombardy poplar	On	6	38	None	530.0	3.5	0.5	M	Pine & 1x poplar established to immediate west of nissen hut; all stems have been topped @6m	Good	Fair	20	B2	6.4
G199	English oak	On	14 - 15	2	Yes	500.0	7.0	4.0	EM	2x hedgerow trees; typical for age & species	Good	Fair	40	B2	6.0
G200	English oak; ash; cherry	On	12 - 14	5	Yes	500.0	6.5	4.0	EM	5x hedgerow trees; 3x cherry; 1x ash & 1x oak	Good	Fair	20	B2	6.0
G201	Ash	On	7	3	Yes	410.0	3.0	1.0	EM	Tight knit ash group; on edge of ditch. No significant defects presents at time of inspection. Ditch to the north	Fair	Fair	20	C2	4.9
G202	Ash; elm; hawthorn	On	3 - 16	8	Yes	350.0	6.0	2.0	SM	Remnant section of hedge with established multi stemmed ash; 1x dead elm stem	Good	Fair	20	B2	4.2
G203	English oak	On	10-14	4	Yes	600.0	6.0	3.0	EM	EM English oak. Prominent linear tree feature. Ditch to the south	Good	Good	40	B2	7.2
G204	English oak	On	10-14	4	Yes	700.0	6.0	3.0	EM	EM to M English oak. Prominent linear tree feature. Ditch to the south	Good	Good	40	B2	8.4
G205	Oak; hawthorn	On	3 - 8	2	Yes	350.0	4.5	0.0	SM	Small oak with loss of main leader creating a wide spreading form; small thorn to east of stem	Good	Fair	20	C2	4.2
G206	Oak	On	7-8	3	Yes	300.0	5.0	2.0	SM	Group of young mature oak surrounding water logged ditch	Good	Good	40	B2	3.6
G207	Aspen; goat willow	On	5-8	5	Yes	300.0	4.0	0.5	SM	Establishing trees located within the ditch; significant future growth potential	Good	Good	40	B2	3.6
G208	Goat willow	On	4-5	4	Yes	225.0	3.0	0.5	SM	Establishing trees located within the ditch	Good	Good	40	C2	2.7
G209	English oak	On	5-8	5	Yes	300.0	4.0	0.5	SM	Establishing oak trees; ditch to the south; significant future growth potential	Good	Good	40	B2	3.6
G210	Sycamore; elder	On	3 - 15	5	None	600.0	7.0	0.0	M	2x multi-stemmed willow with remnant section of thorn hedge	Good	Fair	20	B2	7.2
G211	Sycamore; elm	Off	10 - 12	3	None	250.0	3.0	0.0	EM	Multi-stemmed trees to east of drainage ditch	Good	Fair	20	B2	3.0
G212	Sycamore; crack willow	Off	8 - 12	2	None	550.0	3.0	0.0	M	Multi-stemmed trees to east of drainage ditch; early-mature sycamore & mature willow	Good	Fair	20	B2	6.6
G213	Sycamore	Off	10 - 12	3	None	250.0	3.0	0.0	EM	Multi-stemmed trees to east of drainage ditch	Good	Fair	20	B2	3.0
G214	Oak	Off	8 - 13	3	Yes	500.0	6.0	0.0	EM	Cursory inspection from boundary	Good	Fair	20	B2	6.0
G215	Aspen	On	5-6	10	Yes	100.0	2.0	0.5	Y	Establishing aspen stems; significant future growth potential	Good	Fair	40	C2	1.3
G216	Alder; silver birch; English oak; crack willow; goat willow	On	5-15	50	Yes	400.0	5.0	1.0	EM	SM to EM broadleaf trees. LV wires through group; existing ditch and track to the south	Good	Fair	40	B2	4.8

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
G217	Goat willow	On	3	3	Yes	200.0	3.0	1.0	SM	Trees have been topped to clear the LV overhead wires	Good	Fair	40	C2	2.4
G218	Silver birch	On	4-6	7	Yes	350.0	4.0	1.0	SM	Trees have been topped to clear the LV overhead wires	Good	Fair	40	C2	4.2
G219	English oak	On	10-14	8	Yes	800.0	7.0	3.0	M	EM to M English oak. Prominent linear tree feature. Ditch to the north	Good	Good	40	A2	9.6
G220	Goat willow; English oak	On	6-8	4	Yes	425.0	5.0	1.0	EM	Hedgerow trees; ditch to the east	Good	Fair	40	B2	5.1
G221	Common ash; goat willow	On	8-12	10	Yes	275.0	4.0	3.0	SM	Predominantly ash; establishing above the hedge height; reduced vitality	Fair	Fair	<10	C2	3.3
G222	Common ash; goat willow	On	8-12	20	Yes	275.0	4.0	3.0	SM	Predominantly ash; establishing above the hedge height; reduced vitality	Fair	Fair	<10	C2	3.3
G223	English oak	On	15	4	Yes	500.0	7.0	4.0	EM	4x hedgerow trees; typical for age & species	Good	Fair	40	B2	6.0

WOODLANDS

Ref	Species	On/off Order Limits	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	Silver birch; English oak	On	8-16	5000	Yes	300	4.0	0.5	EM	None	Establishing broadleaf woodland. Predominantly birch.	Good	Good	40	B2	3.6
W2	Common ash; wild cherry; English oak; silver birch	On	6-12	250	Yes	250	4.0	1.0	SM	None	Establishing plantation of mixed species broadleaf trees	Good	Good	40	B2	3.0
W3	Birch; willow; rowan	On	9	2500	Yes	310	2.0	3.0	SM	None	Semi mature woodland	Good	Good	40	B2	3.7
W4	Silver birch; English oak; hazel; holly	On	8-16	500	Yes	300	4.0	0.5	EM	None	Establishing broadleaf woodland. Predominantly birch. Ditch across the woodland edge	Good	Good	40	B2	3.6
W5	Ash; oak; sycamore; horse chestnut; Scot's pine; hawthorn; elder	On	2 - 15	50	None	850	7.0	2.5	M	None	Off-Order Limits group of mature trees; sample area recorded where plot abuts survey Order Limits	Good	Fair	40	A2	10.2
W6	Ash; field maple; cherry; Norway maple; goat willow; hornbeam; Scot's pine; whitebeam; hawthorn; blackthorn; elder	On	2 - 12	300	None	350	3.5	1.5	SM	None	Off-Order Limits group of trees; sample area recorded where plot abuts survey Order Limits; remnants of thorn hedge on boundary	Good	Fair	20	B2	4.2

TREE SURVEY SCHEDULE

PROJECT NO: 5410

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SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	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)
W7	Ash; oak; sycamore; horse chestnut; beech; hawthorn; blackthorn; elder	On	2 - 15	60	None	800	7.0	2.5	M	None	Off-Order Limits group of mature trees; sample area recorded where plot abuts survey Order Limits	Good	Fair	40	A2	9.6
W8	Ash; crack willow; hawthorn; elder	On	2 - 10	50	None	300	3.0	2.0	SM	None	Stand of predominantly ash; pheasant rearing pen within plot	Good	Fair	20	B2	3.6
W9	Birch; goat willow; oak	On	6 - 16	300	None	250	7.0	1.5	SM	None	Predominantly semi-mature stand of birch (ave. dia. 250mm) with sporadic willow; drainage ditch to south of plot; occasional semi-mature & mature oak to edge of plot with approx. max dia. of 900mm	Good	Fair	40	B2	3.0

HEDGEROWS

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H1	Hawthorn; blackthorn	On	4.0	3	100	0.5	EM	Outgrown hedgerow; ditch to the east	Good	Fair	40+	B2	1.3
H2	Hawthorn; blackthorn	On	2.5	3	100	0.5	EM	Side flayed hedgerow; ditch to south. Gaps throughout	Fair	Fair	20+	C2	1.3
H3	Blackthorn; hawthorn; hazel	On	2.5	2	100	0.5	SM	Partially maintained hedgerow. Ditch to west	Good	Fair	20+	C2	1.3
H4	Hawthorn; blackthorn; willow;	On	4.0	1.5	100	0.5	SM	Flailed hedgerow located in shallow ditch	Good	Fair	20+	B2	1.3
H5	Hawthorn	On	3.0	2	150	0.1	EM	Remnant section of hedgerow	Fair	Fair	20+	C2	1.8
H6	Hawthorn	On	3.0	2	150	0.1	EM	Remnant section of hedgerow	Fair	Fair	20+	C2	1.8
H7	Hawthorn	On	3.0	2	150	0.1	EM	Remnant section of hedgerow	Fair	Fair	20+	C2	1.8
H8	Hawthorn	On	3.0	2	150	0.1	EM	Remnant section of hedgerow	Fair	Fair	20+	C2	1.8
H9	Hawthorn	On	3.0	2	150	0.1	EM	Remnant section of hedgerow	Fair	Fair	20+	C2	1.8
H10	Blackthorn; hawthorn; bramble	On	2.0	2.5	80	0.1	SM	Informal hedgerow/scrub at the Order Limits boundary	Fair	Fair	10+	C2	1.0
H11	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail	Good	Fair	20+	B2	1.0
H12	Hawthorn	On	3.5	2	90	0.0	EM	Maintained by flail	Good	Fair	20+	B2	1.1
H13	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail	Good	Fair	20+	B2	1.0
H14	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail; orphan section of hedge	Good	Fair	20+	B2	1.0

TREE SURVEY SCHEDULE

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ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

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SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H15	Hawthorn	On	3.0	2	90	0.0	M	Maintained by flail	Good	Fair	20+	B2	1.1
H16	Hawthorn	On	3.0	2	90	0.0	M	Maintained by flail	Good	Fair	20+	B2	1.1
H17	Hawthorn	On	3.0	2	90	0.0	M	Maintained by flail	Good	Fair	20+	B2	1.1
H18	Hawthorn; ash; oak	On	4.5	2.5	110	0.0	SM	Neglected hedge with establishing oak & ash; maintained by flail	Good	Fair	20+	B2	1.3
H19	Hawthorn	On	3.0	2	90	0.0	M	Maintained by flail	Good	Fair	20+	B2	1.1
H20	Hawthorn; ash	On	6.0	3	180	0.0	EM	Outgrown / neglected hedge; loss of integrity with 2x ash established within plot.	Good	Fair	20+	C2	2.2
H21	Hawthorn; field maple; elder	On	6.0	3.5	190	0.0	EM	Maintained by flail; loss of integrity; maple established to approx centre of plot	Good	Fair	20+	C2	2.3
H22	Hawthorn; alder	On	4.0	3	150	0.0	EM	Maintained by flail; orphan section of hedge with loss of integrity	Good	Fair	20+	C2	1.8
H23	Hawthorn	On	4.5	3	150	0.0	M	Maintained by flail; loss of integrity	Good	Fair	20+	C2	1.8
H24	Hawthorn; ash	On	4.5	3	180	0.0	M	Maintained by flail; loss of integrity	Good	Fair	20+	C2	2.2
H25	Hawthorn; alder; ash	On	6.0	4	200	0.0	M	Maintained by flail; loss of integrity with alder & ash established within plot	Good	Fair	20+	C2	2.4
H26	Hawthorn; alder	On	6.0	4.5	200	0.0	M	Maintained by flail; loss of integrity with 2x alder established within plot	Good	Fair	20+	C2	2.4
H27	Hawthorn; ash	On	4.5	3	150	0.0	M	Maintained by flail; orphan section of hedge	Good	Fair	20+	C2	1.8
H28	Hawthorn; ash; elder	On	4.5	3	150	0.0	M	Maintained by flail; losing integrity	Good	Fair	20+	C2	1.8
H29	Hawthorn; elder	On	4.5	3	160	0.0	M	Maintained by flail; orphan section of hedge	Good	Fair	20+	C2	2.0
H30	Hawthorn	On	3.5	2	130	0.0	EM	Maintained by flail; sporadic gaps between stems	Good	Fair	20+	C2	1.6
H31	Hawthorn	On	3.5	2	140	0.0	M	Maintained by flail; sporadic gaps between stems	Good	Fair	20+	C2	1.7
H32	Hawthorn; dogrose	On	3.5	2	140	0.0	M	Maintained by flail; sporadic gaps between stems	Good	Fair	20+	C2	1.7
H33	Hawthorn; elder	On	3.5	2	150	0.0	M	Maintained by flail; sporadic gaps between stems	Good	Fair	20+	C2	1.8
H34	Hawthorn	On	3.5	2	150	0.0	M	Remnant section maintained by flail; sporadic gaps between stems	Good	Fair	20+	C2	1.8
H35	Hawthorn; elder	On	3.5	2	150	0.0	M	Maintained by flail; sporadic gaps between stems	Good	Fair	20+	C2	1.8
H36	Hawthorn; sycamore	On	8.0	3	200	0.0	EM	Thorn hedge maintained by flail & losing integrity; established sycamore stems x6	Good	Fair	10+	C2	2.4
H37	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail; sporadic gaps/loss of integrity	Good	Fair	20+	C2	1.0

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H38	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail; losing integrity/small gaps	Good	Fair	20+	C2	1.0
H39	Hawthorn; lime; ash	On	8.0	3	220	0.0	M	Thorn hedge maintained by flail; establishing lime (x5) & ash (x1)	Good	Fair	20+	B2	2.6
H40	Hawthorn	On	3.5	2	90	0.0	EM	Maintained by flail; small gaps beginning to appear between stems	Good	Fair	10+	C2	1.1
H41	Hawthorn	On	3.0	1.5	100	0.0	EM	Maintained by flail; sporadic gaps between stems	Good	Fair	20+	C2	1.3
H42	Hawthorn; lime; ash; sycamore	On	8.0	3	300	0.0	EM	Thorn hedge maintained by flail & losing integrity; established lime; sycamore & ash	Good	Fair	10+	C2	3.6
H43	Hawthorn	On	3.5	2	150	0.0	M	Maintained by flail; sporadic gaps between stems	Good	Fair	20+	C2	1.8
H44	Hawthorn; sycamore	On	3.0	3	100	0.0	EM	Maintained by flail; sporadic gaps; predominantly thorn	Good	Fair	20+	C2	1.3
H45	Hawthorn	On	3.0	2	90	0.0	EM	Maintained by flail; small gaps beginning to appear between stems	Good	Fair	20+	C2	1.1
H46	Hawthorn	On	3.5	2	130	0.0	EM	Maintained by flail; sporadic gaps between stems	Good	Fair	20+	C2	1.6
H47	Hawthorn; sycamore	On	3.0	3	100	0.0	EM	Maintained by flail; sporadic gaps; predominantly thorn	Good	Fair	20+	C2	1.3
H48	Hawthorn; goat willow	On	3.0	3	140	0.0	EM	Maintained by flail	Good	Fair	20+	B2	1.7
H49	Hawthorn	On	3.0	2	90	0.0	EM	Maintained by flail; small gaps between stems	Good	Fair	20+	C2	1.1
H50	Hawthorn	On	3.0	2	120	0.0	M	Maintained by flail; small gaps beginning to appear between stems	Good	Fair	20+	C2	1.5
H51	Hawthorn	On	3.0	2	90	0.0	EM	Maintained by flail; small gaps beginning to appear between stems	Good	Fair	20+	C2	1.1
H52	Hawthorn	On	3.5	2	130	0.0	EM	Maintained by flail; small gaps between stems	Good	Fair	20+	C2	1.6
H53	Hawthorn	On	3.0	2	90	0.0	EM	Remnant section of hedge maintained by flail	Good	Fair	20+	C2	1.1
H54	Hawthorn; sycamore	On	8.0	3	300	0.0	EM	Thorn hedge maintained by flail & losing integrity; established sycamore.	Good	Fair	10+	C2	3.6
H55	Hawthorn; elder	On	3.0	2	90	0.0	EM	Maintained by flail; small gaps beginning to appear between stems	Good	Fair	20+	C2	1.1
H56	Hawthorn; field maple; elder	On	3.0	2	120	0.0	M	Maintained by flail; small gaps beginning to appear between stems; 1x maple & 1x thorn established as stems approx 6m in height to south of feature	Good	Fair	20+	C2	1.5
H57	Hawthorn	On	3.0	2	120	0.0	EM	Maintained by flail; significant gaps between stems with a complete loss of integrity	Good	Fair	10+	C2	1.5

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H58	Hawthorn	On	4.0	3	120	0.0	EM	Remnant section of hedge	Good	Fair	20+	C2	1.5
H59	Hawthorn	On	3.5	2	100	0.0	EM	Remnant section of hedge	Good	Fair	20+	C2	1.3
H60	Hawthorn	On	3.0	2	120	0.0	M	Maintained by flail; small gaps beginning to appear between stems	Good	Fair	20+	C2	1.5
H61	Hawthorn	On	3.5	2.5	120	0.0	M	Loss of integrity; becoming a derelict plot	Fair	Poor	10+	C2	1.5
H62	Hawthorn; elder	Off	2.5	2	90	0.0	EM	Maintained by flail; predominantly thorn; separated from survey area by drainage ditch; sporadic gaps colonised by brambles	Good	Fair	20+	B2	1.1
H63	Hawthorn	On	4.0	3	150	0.0	M	Maintained by flail; orphan section of hedge with loss of integrity; separated from survey area by drainage ditch; large gaps colonised by brambles	Good	Fair	10+	C2	1.8
H64	Hawthorn; ash; alder; elder	On	7.5	4	220	0.0	EM	Maintained by flail; loss of integrity; ash & alder established within feature	Good	Fair	20+	C2	2.6
H65	Crack willow; ash; alder; hawthorn	On	12.0	6	380	0.0	M	Outgrown / neglected hedge with gaps / loss of integrity; trees established within plot & thorn now occurs as patchy understory	Good	Fair	20+	B2	4.5
H66	Hawthorn	On	4.0	3	150	0.0	M	Maintained by flail; orphan section of hedge with loss of integrity	Good	Fair	20+	C2	1.8
H67	Hawthorn; elder; gorse	On	4.0	3	100	0.0	EM	Maintained by flail; loss of integrity; separated from survey area by drainage ditch; gaps becoming colonised by brambles	Good	Fair	20+	C2	1.3
H68	Hawthorn; elder	On	3.0	2.5	150	0.0	M	Topped beneath overheated power lines	Good	Fair	10+	C2	1.8
H69	Gorse; elder	On	2.0	3	80	0.0	EM	Predominantly gorse; elder beginning to establish within small gaps	Good	Fair	20+	C2	1.0
H70	Hawthorn	On	3.5	2	100	0.0	EM	Maintained by flail; sporadic gaps to west of plot	Good	Fair	20+	C2	1.3
H71	Hawthorn	Off	3.0	2	90	0.0	M	Maintained by flail; beginning to lose integrity	Good	Fair	20+	C2	1.1
H72	Hawthorn; elder	On	3.0	2	90	0.0	EM	Maintained by flail; orphan section of hedge becoming colonised by brambles	Good	Fair	20+	C2	1.1
H73	Hawthorn; blackthorn	On	3.0	2	90	0.0	EM	Maintained by flail	Good	Fair	20+	B2	1.1
H74	Hawthorn; elder	On	4.0	3	200	0.0	M	Maintained by flail; loss of integrity with gaps becoming colonised by elder	Good	Fair	20+	C2	2.4
H75	Leylandii	On	14.0	6	400	0.5	EM	Formally established hedge	Good	Fair	20+	C2	4.8
H76	Leylandii	On	1.5	2.5	110	0.0	SM	Boundary hedge	Good	Fair	20+	C2	1.3
H77	Leylandii	On	14.0	6	400	0.5	EM	Formally established hedge	Good	Fair	20+	C2	4.8

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H78	Leylandii	On	1.5	2.5	110	0.0	SM	Boundary hedge	Good	Fair	20+	C2	1.3
H79	Leylandii	On	14.0	6	350	0.5	EM	Formally established hedge	Good	Fair	20+	C2	4.2
H80	Hawthorn; laburnum; holly; elm; elder	On	6.0	4	120	0.0	SM	Outgrown / neglected hedge with gaps / loss of integrity; several dead elm stems	Fair	Fair	10+	C2	1.5
H81	Hawthorn; blackthorn; elm	On	6.0	3	90	0.0	SM	Outgrown / neglected hedge with gaps / loss of integrity; multiple dead elm stems	Fair	Fair	10+	C2	1.1
H82	Hawthorn	On	2.5	2	90	0.0	EM	Outgrown / neglected hedge with sporadic gaps	Good	Fair	20+	C2	1.1
H83	Hawthorn	On	2.5	2	90	0.0	EM	Outgrown / neglected hedge with sporadic gaps	Good	Fair	20+	C2	1.1
H84	Hawthorn	On	2.5	2	90	0.0	EM	Outgrown / neglected hedge with sporadic gaps	Good	Fair	20+	C2	1.1
H85	Hawthorn	On	2.5	2	90	0.0	EM	Outgrown / neglected hedge with sporadic gaps	Good	Fair	20+	C2	1.1
H86	Hawthorn	On	2.5	2	90	0.0	EM	Outgrown / neglected hedge with wide gaps	Good	Fair	20+	C2	1.1
H87	Hawthorn	On	2.5	2	90	0.0	EM	Outgrown / neglected orphan section of hedge	Good	Fair	20+	C2	1.1
H88	Hawthorn	On	2.5	2	90	0.0	EM	Outgrown / neglected orphan section of hedge	Good	Fair	20+	C2	1.1
H89	Hawthorn	On	1.5	1	90	0.0	M	Maintained hedge	Good	Fair	20+	B2	1.1
H90	Leylandii	On	7.0	2	150	0.0	SM	Typical for age & species	Good	Fair	10+	C2	1.8
H91	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H92	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H93	Hawthorn	On	1.5	1	90	0.0	M	Maintained hedge	Good	Fair	20+	B2	1.1
H94	Hawthorn	On	1.5	1	90	0.0	M	Maintained hedge	Good	Fair	20+	B2	1.1
H95	Hawthorn	On	1.5	1	90	0.0	M	Small sporadic gaps of <2m	Good	Fair	20+	B2	1.1
H96	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H97	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H98	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H99	Hawthorn	On	1.5	1	90	0.0	M	Small sporadic gaps of <2m	Good	Fair	20+	B2	1.1
H100	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H101	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H102	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H103	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H104	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H105	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H106	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H107	Hawthorn	On	1.5	1	90	0.0	M	Orphan section of hedge	Good	Fair	20+	C2	1.1
H108	Aspen	On	8.0	3.5	150	0.0	SM	Prolific re-gen between established stems	Good	Fair	20+	B2	1.8
H109	Hawthorn; blackthorn; sycamore	On	6.0	3	200	0.0	M	Outgrown/neglected hedge with sporadic gaps	Fair	Fair	20+	B2	2.4
H110	Hawthorn; blackthorn	On	6.0	3	200	0.0	M	Outgrown/neglected hedge	Fair	Fair	20+	B2	2.4
H111	Hawthorn; blackthorn; elder	On	6.0	3	200	0.0	M	Outgrown/neglected hedge	Fair	Fair	20+	B2	2.4
H112	Hawthorn; blackthorn	On	2.0	2	80	0.0	EM	Maintained by flail; sporadic gaps	Good	Fair	20+	C2	1.0
H113	Hawthorn; elder	On	1.5	1	80	0.0	EM	Maintained hedge; sporadic gaps to south of feature with dead / declining elder stems	Good	Fair	20+	B2	1.0
H114	Hawthorn; blackthorn	On	2.0	2	80	0.0	EM	Maintained by flail	Good	Fair	20+	B2	1.0
H115	Hawthorn; blackthorn	On	2.0	2	80	0.0	EM	Maintained by flail; sporadic gaps	Good	Fair	20+	C2	1.0
H116	Hawthorn; blackthorn	On	2.0	2	80	0.0	EM	Maintained by flail; sporadic gaps	Good	Fair	20+	C2	1.0
H117	Hawthorn	On	2.5	1.5	90	0.0	EM	Boundary hedge	Good	Fair	20+	B2	1.1
H118	Hawthorn; goat willow	On	4.5	3.5	100	0.0	M	Thorn hedge; self-seeded willow to west of feature within southern area of field margin; gap of approx. 2.5m to north of plot	Good	Fair	40+	B2	1.3
H119	Hawthorn; ash; elder	Off	7.5	4.5	280	0.0	M	Informal/neglected hedge; predominantly thorn; separated from survey area by drainage ditch	Fair	Fair	20+	C2	3.3
H120	Hawthorn	On	2.5	2	90	0.0	SM	Outgrown hedge	Good	Fair	20+	B2	1.1
H121	Hawthorn	On	2.0	1.5	80	0.0	EM	Maintained by flail; sporadic small gaps	Good	Fair	20+	B2	1.0
H122	Hawthorn; blackthorn; goat willow; sycamore; ash	On	5.0	3	140	0.0	EM	Informal hedge; predominantly thorn	Good	Fair	20+	B2	1.7
H123	Hawthorn; elder	On	3.0	2	100	0.0	EM	Orphan section of hedge	Good	Fair	20+	C2	1.3
H124	Hawthorn	On	3.0	2	90	0.0	EM	Orphan section of hedge	Good	Fair	20+	C2	1.1
H125	Hawthorn	On	3.0	2	80	0.0	EM	Orphan section of hedge	Good	Fair	20+	C2	1.0

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H126	Hawthorn; goat willow; elder	Off	6.0	3.5	150	0.0	EM	Outgrown / neglected hedge on adjacent Order Limits which is separated from survey area by drainage ditch	Fair	Fair	20+	C2	1.8
H127	Hawthorn	Off	4.5	3	160	0.0	M	Informal/neglected hedge spanning the drainage ditch; stem to south has broken & is partially hung up	Fair	Fair	20+	C2	2.0
H128	Hawthorn; elder	On	3.0	1.5	90	0.0	EM	Predominantly thorn; small sporadic gaps becoming colonised by brambles	Good	Fair	20+	B2	1.1
H129	Hawthorn; elder	On	5.0	3	140	0.0	M	Outgrown / neglected hedge; predominantly thorn; sporadic gaps becoming colonised by brambles	Good	Fair	20+	B2	1.7
H130	Hawthorn; elder	On	5.0	3	140	0.0	M	Predominantly thorn	Good	Fair	20+	B2	1.7
H131	Willow; elder	On	5.0	3	100	0.0	EM	Informal hedge; predominantly willow	Good	Fair	20+	C2	1.3
H132	Hawthorn; elder	On	5.0	3	140	0.0	M	Predominantly thorn	Good	Fair	20+	B2	1.7
H133	Willow; hawthorn; elder	On	5.0	3	100	0.0	EM	Informal hedge; predominantly willow	Good	Fair	20+	C2	1.3
H134	Hawthorn; elder	On	5.0	3	130	0.0	M	Predominantly thorn	Good	Fair	20+	B2	1.6
H135	Hawthorn	On	1.5	1	60	0.0	Y	Newly planted hedge	Good	Fair	20+	C2	0.8
H136	Willow	On	4.0	2.5	90	0.0	EM	Informal hedge	Good	Fair	20+	C2	1.1
H137	Hawthorn; hazel	On	2.5	1	80	0.0	SM	Predominantly thorn	Good	Fair	20+	B2	1.0
H138	Willow; hawthorn	On	4.0	3	100	0.0	EM	Informal hedge; predominantly willow	Good	Fair	20+	C2	1.3
H139	Willow; hawthorn	On	4.0	3	100	0.0	EM	Informal hedge; predominantly willow	Good	Fair	20+	C2	1.3
H140	Hawthorn; willow	On	4.0	3	90	0.0	EM	Informal hedge	Good	Fair	20+	C2	1.1
H141	sycamore	On	2.0	1.5	100	0.5	EM	Slightly outgrown flailed hedgerow. Previously topped to 2m &now flailed to maintain.	Good	Fair	40+	C2	1.3
H142	Hawthorn	On	2.0	1.5	100	0.5	EM	Slightly outgrown flailed hedgerow. Previously topped to 2m &now flailed to maintain.	Good	Fair	40+	C2	1.3
H143	sycamore	On	2.0	1.5	100	0.5	EM	Slightly outgrown flailed hedgerow. Previously topped to 2m &now flailed to maintain.	Good	Fair	40+	C2	1.3
H144	sycamore	On	2.0	1.5	100	0.5	EM	Slightly outgrown flailed hedgerow. Previously topped to 2m &now flailed to maintain.	Good	Fair	40+	C2	1.3
H145	sycamore	On	2.0	1.5	100	0.5	EM	Slightly outgrown flailed hedgerow. Previously topped to 2m &now flailed to maintain.	Good	Fair	40+	C2	1.3
H146	sycamore	On	2.0	1.5	100	0.5	EM	Slightly outgrown flailed hedgerow. Previously topped to 2m &now flailed to maintain.	Good	Fair	40+	C2	1.3

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H147	Ash; blackthorn; hawthorn; sycamore	On	2.0	1.5	100	0.5	EM	Slightly outgrown flailed hedgerow. Previously topped to 2m &now flailed to maintain.	Good	Fair	40+	C2	1.3
H148	Ash; blackthorn; hawthorn; predominately sycamore	On	2.0	1.5	100	0.5	EM	Slightly outgrown flailed hedgerow. Previously topped to 2m &now flailed to maintain.	Good	Fair	40+	C2	1.3
H149	Ash; blackthorn; hawthorn; sycamore	On	2.0	1.5	100	0.5	EM	Slightly outgrown flailed hedgerow. Previously topped to 2m &now flailed to maintain.	Good	Good	40+	C2	1.3
H150	Hawthorn	On	7.0	6	150	0.0	M	Orphan section of outgrown / neglected hedge	Good	Fair	20+	C2	1.8
H151	Hawthorn; elder	On	4.0	3	150	0.0	M	Outgrown / neglected hedge with sporadic gaps / loss of integrity; small cluster of elder to north of plot	Good	Fair	20+	C2	1.8
H152	Hawthorn	On	4.0	3.5	150	0.0	M	Outgrown / neglected hedge with sporadic gaps / loss of integrity	Good	Fair	20+	C2	1.8
H153	Hawthorn; elder	Off	5.0	4	150	0.0	M	Outgrown / neglected hedge with sporadic gaps / loss of integrity	Good	Fair	20+	C2	1.8
H154	Hawthorn; elder; hops	Off	5.0	3.5	150	0.0	M	Outgrown / neglected hedge with sporadic gaps / loss of integrity; potential animal sett within plot	Good	Fair	20+	C2	1.8
H155	Hawthorn; elder	Off	5.0	3.5	150	0.0	M	Outgrown / neglected hedge with sporadic gaps / loss of integrity	Good	Fair	20+	C2	1.8
H156	Hawthorn; elder	Off	5.0	3.5	150	0.0	M	Outgrown / neglected hedge with sporadic gaps / loss of integrity	Good	Fair	20+	C2	1.8
H157	Blackthorn; hawthorn; elder	On	1.6	1	80	0.0	SM	Well presented Flailed hedgerow along field boundary	Good	Good	40+	B2	1.0
H158	Blackthorn; hawthorn; elder	On	2.5	1.5	80	0.0	SM	Well presented Flailed hedgerow along field boundary; gate within hedgerow midway along length.	Good	Good	40+	B2	1.0
H159	Blackthorn; hawthorn; elder	On	2.0	2	100	0.0	SM	Mixed species Flailed hedgerow along field boundary; a couple gaps between 1-2m wide and areas of ivy cladding occurring.	Fair	Good	40+	C2	1.3
H160	Predominantly Blackthorn & hawthorn with elder; oak	On	2.5	1.5	80	0.0	SM	Flailed hedgerow along field boundary. Newly established car park for carnival built at far end (N); some digging near hedgerow for 10_12m and new stone placed on top around 1m from stems.	Good	Good	40+	B2	1.0
H161	Predominantly Blackthorn & hawthorn with; oak	On	2.5	1.5	80	0.0	SM	Flailed hedgerow along field boundary; consisted except for 4m gap on S side of oak. Potential root damage as drainage is being implemented along boundary/hedgerow. Several oaks within hedge have been left to outgrow; all Y/EM; 5m high with average stem of 150mm. On W side of field(offside)	Good	Good	40+	B2	1.0

TREE SURVEY SCHEDULE

PROJECT NO: 5410

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SURVEYOR: DAVID HOLMES IAN HOWELL

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Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H162	Hawthorn	On	7.0	3	150	0.0	M	Outgrown / neglected hedge	Good	Fair	20+	C2	1.8
H163	Hawthorn; blackthorn	On	7.0	3.5	150	0.0	M	Outgrown / neglected hedge with sporadic gaps / loss of integrity	Good	Fair	20+	C2	1.8
H164	Hawthorn; blackthorn	On	2.5	1.5	100	0.5	M	Flailed mature hedgerow; ditch to the south. Previously cut to 1.5m high; height increased to 2.5m	Good	Good	40+	B2	1.3
H165	Willow; hawthorn	On	8.0	2	60	1.0	Y	Partially flailed hedgerow; Located within water filled ditch	Good	Good	40+	C2	0.8
H166	Hawthorn; blackthorn; elder	On	2.5	1.5	100	0.5	M	Flailed mature hedgerow; ditch to the north	Good	Good	40+	B2	1.3
H167	Willow; hawthorn	On	6.0	2	60	1.0	Y	Partially flailed hedgerow; sparse. Located within water filled ditch	Good	Good	40+	C2	0.8
H168	Willow; single hawthorn present	On	7.0	2.5	50	4.0	Y	Partially flailed uniform willow hedge. Located within water filled ditch	Good	Good	40+	B2	0.6
H169	Hawthorn; oak; blackthorn	On	5.0	3	210	0.0	M	Partially flailed hedgerow alongside field; height left unmanaged. Small oak present midway; currently n keeping with hedge. Ditch to the west.	Good	Fair	40+	C2	2.5
H170	Willow	On	7.0	2.5	30	4.0	Y	Partially flailed uniform willow hedge with 2 small gaps to the north. Located within water filled ditch	Good	Good	40+	B2	0.0
H171	Hawthorn; blackthorn	On	2.5	3	230	0.0	M	Flailed mature hedgerow; ditch with water to the north. Previously cut to 1.5m high; height increased to 2.5m	Good	Good	40+	B2	2.8
H172	Goat willow	On	4.0	4	150	0.1	SM	Flailed willow located within the ditch forming an informal hedgerow	Fair	Fair	20+	C2	1.8
H173	Goat willow; hawthorn; blackthorn; bramble	On	3.0	3	100	0.1	SM	Informal hedgerow; gaps and sections of brambles along its length	Good	Fair	20+	C2	1.3
H174	Hawthorn; elder	On	1.5	1	80	0.0	EM	Maintained by flail	Good	Fair	20+	B2	1.0
H175	Hawthorn; elder	On	1.5	1	80	0.0	EM	Maintained by flail	Good	Fair	20+	B2	1.0
H176	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail; gaps x6 (<2 - 6m)	Good	Fair	20+	C2	1.0
H177	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail; small gaps x3 (<2m)	Good	Fair	20+	B2	1.0
H178	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail; sporadic small gaps to west of plot	Good	Fair	20+	B2	1.0
H179	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail; sporadic small gaps to west of plot	Good	Fair	20+	B2	1.0
H180	Hawthorn	On	3.0	2	80	0.0	EM	Orphan section of hedge; maintained by flail; small gap to centre of plot <2m	Good	Fair	20+	B2	1.0

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H181	Hawthorn	On	3.0	2	80	0.0	EM	Maintained by flail; sporadic small gaps to west of plot	Good	Fair	20+	B2	1.0
H182	Hawthorn	On	3.5	2	90	0.0	M	Maintained by flail	Good	Fair	20+	B2	1.1
H183	Hawthorn	On	3.5	2	90	0.0	M	Maintained by flail	Good	Fair	20+	B2	1.1
H184	Hawthorn	On	3.5	2	80	0.0	EM	Maintained by flail; sporadic small gaps; losing integrity	Good	Fair	20+	C2	1.0
H185	Hawthorn	On	3.5	2	90	0.0	M	Maintained by flail; gap to south of plot (<2m)	Good	Fair	20+	B2	1.1
H186	Hawthorn	On	3.5	2	90	0.0	M	Maintained by flail; gap to south of plot (<2m)	Good	Fair	20+	B2	1.1
H187	Goat willow; hawthorn; blackthorn; bramble	On	3.0	3	100	0.1	SM	Informal hedgerow; gaps and sections of brambles along its length	Good	Fair	20+	C2	1.3
H188	Hawthorn; goat willow	On	2.0	1	100	0.1	SM	Remnant section of informal hedgerow	Fair	Fair	20+	C2	1.3
H189	Goat willow	On	3.0	3	100	0.1	SM	Flailed willow forming an informal hedgerow	Fair	Fair	20+	C2	1.3
H190	Hawthorn; blackthorn	On	3.0	2	80	0.1	SM	Short section of remnant hedgerow	Good	Fair	20+	C2	1.0
H191	Hawthorn; blackthorn; English elm	On	4.0	3	100	0.1	SM	Side flailed hedgerow; gaps and dead elm along its length	Fair	Fair	<10	C2	1.3
H192	Crack willow; goat willow; hazel; hawthorn; blackthorn	On	8.0	6	130	0.0	SM	Established thicket to edge of track/railway line	Good	Fair	20	B2	1.6
H193	Hawthorn	On	2.5	1.5	100	0.3	EM	Remnant section of hedgerow with sporadic gaps	Fair	Fair	20	C2	1.3
H194	Hawthorn	On	5.0	2.5	110	0.0	EM	Remnant section of hedge; east side flailed for clearance	Fair	Fair	20	C2	1.3
H195	Hawthorn; elder	On	4.0	2	110	0.0	EM	Sporadic gaps; predominantly elder; east side flailed for clearance	Fair	Fair	10	C2	1.3
H196	Hawthorn; elder	On	6.0	3	140	0.0	EM	Field side flailed for clearance; outgrown hedge	Fair	Fair	20	B2	1.7
H197	Hawthorn; elder	On	4.0	2	90	0.0	EM	Patchy hedge with large gaps where elder is in decline; south side flailed for clearance	Fair	Fair	10	C2	1.1
H198	Hawthorn; blackthorn; elder	On	5.0	2.5	110	0.0	EM	Sporadic gaps where elder is in decline; east side flailed for clearance	Fair	Fair	20	C2	1.3
H199	Hawthorn; elder; leylandii	On	2.0	1.5	80	0.3	SM	Neglected hedge; large gaps; loss of integrity	Fair	Fair	10	C2	1.0
H200	Leylandii; laurel; elder	Off	7.0	3.5	150	0.0	EM	Maintained boundary hedge	Good	Fair	20	C2	1.8
H201	Hawthorn; elder	On	5.0	3	100	0.0	EM	Remnant section of hedges; lower sides maintained by flail for clearance with top growth left unchecked	Good	Fair	20	C2	1.3
H202	Hawthorn; elder	On	4.5	2	90	0.0	None	Maintained by flail	Good	Fair	20	B2	1.1

TREE SURVEY SCHEDULE

PROJECT NO: 5410

ORDER LIMITS NAME: TWEEN BRIDGE SOLAR FARM

SURVEYOR: DAVID HOLMES IAN HOWELL

CLIENT: RWE

SURVEY DATE:10-12/01/2023

Ref	Species	On/off Order Limits	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. low crown height (m)	Life Stage	General Observations	Health & vitality	Structural condition	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H203	Hawthorn; blackthorn	On	6.0	3	100	0.0	EM	Lower sides maintained by flail for clearance with top growth left unchecked	Good	Fair	40	B2	1.3

- 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 Order Limits 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-Order Limits 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

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 Order Limits 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 Order Limitss (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 Order Limits 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 Order Limits 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 Order Limitss
- 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 Order Limitss:

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 2024 (NPPF) (amended 2025) 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 Order Limitss (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 2024 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 Order Limitss (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 Order Limits 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 Order Limits manager, Order Limits 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 Order Limits 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 Order Limits Supervision	5: Construction	7: Demolition and construction

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

Avoid

The starting point of Order Limits 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 Order Limits-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-Order Limits 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 Order Limits 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 Order Limits-specific advice on the areas of a Order Limits most suitable for the location of development.

Dependent on the Order Limits and nature of the Scheme, 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 Scheme to this area will limit the risk of harm to retained trees and of the Local Planning Authority objecting to the Scheme. 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 Order Limitss or Order Limitss 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 Order Limits 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.

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 Order Limits 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 Order Limits RULES FOR TREE PROTECTION

Do not independently carry out any activity that is at odds with the Order Limits 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, Order Limits huts
- No lighting of fires or disposal of liquids
- Fires on Order Limits 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

Barton Hyett Associates
Arboricultural Consultants