

Wareham Coastal Change The Moors at Arne Phase 1 Enabling Works

Tree Protection Plan and Arboricultural Method Statement

Graham Joyce, BSc (Hons), Dip Arb (RFS), M Arbor A, Tech Cert Arbor A

20th March 2023

Advanced Arboriculture
Venmore Barn
Woodbury
Devon EX5 1LD
t: 01395 239002
e: info@advancedarb.com
w: www.advancedarb.com

The logo for Advanced Arboriculture, featuring a large, stylized letter 'A' that incorporates a circular element, possibly representing a tree or a globe.

Tree Protection Statement

Introduction

Heads of Terms

This document has been prepared in accordance with the principles detailed within British Standard 5837:2012 *Trees in relation to design, demolition and construction - Recommendations*. Its purpose is to provide information for the benefit of the project team. The specific tree protection details are contained within the attached Tree Protection Plan, Arboricultural Method Statement and Arboricultural Guidance Sheets. The initial BS5837:2012 survey data has been collected by Advanced Arboriculture Ltd in September 2020 and provides baseline information for the wider project.

This specific document has been prepared based on information available to Advanced Arboriculture Ltd at the time of writing. However, further technical, topographical, arboricultural, architectural, ecological or engineering information may come to light after the relevant arboricultural conditions have been cleared. It is the responsibility of the Atkins project manager to draw any changes in the project scope to our attention at the earliest opportunity.

The scheduling and implementation of the tree protection measures detailed in the report also remains the responsibility of the client.

Advanced Arboriculture Ltd shall not be held liable for any unauthorised deviation from the tree protection measures and scheduling detailed within this report.

Tree Protection Overview

The included Tree Protection Plan and Arboricultural Method Statement detail the tree protection measures required for the proposals, the timing of the provision of tree protection measures, and the retention of a suitably qualified arboricultural supervisor in the event of any accidental damage to the trees.

This document must be reviewed by the client or their delegated project manager and/or site manager with the arboricultural supervisor prior to the commencement of any works to ensure that both the scheduling and protection measures detailed within the Arboricultural Method Statement remain achievable and realistic. Once the Tree Protection Plan and Arboricultural Method Statement Plans have been reviewed and signed off by both the client/site manager and arboricultural supervisor, these drawings must be held on site for ongoing reference and to allow the local planning authority to check them at any reasonable time. Any variations to the Tree Protection Plan or Arboricultural Method Statement must be copied to the project team; in the case of major variations to these documents, written approval may be required.

Tree Protection Measures Overview

Project Phasing

This document details the tree protection measures required for phase 1 of this project only. Phase 1 covers enabling works, including creation of site compounds, haul roads and other site preparation.

This document also details the works required outside of the redline boundary to expediate access to the site.

Phase 1 is anticipated to run through 2023, phase 2 (main construction phase) is proposed to commence in 2024 and phase 3 (finishing works) will complete in 2025. Phases 2 and 3 Tree Protection Statements are to follow at a later date.

Arboricultural Supervision

A programme of arboricultural supervision is required for the duration of this project. Supervision is recommended to include, but need not be limited to, the following measures:

1. A pre-commencement site meeting with the site manager and representatives from any major sub-contractors. The initial tree protection fencing inspection to be undertaken at this time. If the tree protection fencing has not been installed at this time then a subsequent inspection will be required before any construction may commence. The Arboricultural Site Induction Sheet and the Arboricultural Supervision Log to be completed at this time.
2. Ad-hoc inspections to follow thereafter at the request of the site manager or client throughout phase 1.
3. On completion of phase 1, a full site walk-over shall be undertaken with the site manager, arboricultural supervisor and (if required) the client, to identify any issues that may have arisen and ensure that the tree protection measures for phase 2 are fit-for-purpose.

Staff Induction

The Arboricultural Method Statement references the attached Arboricultural Staff Induction Sheet. This must be read, understood and signed by all site operatives, including sub-contractors, as an integral element of their initial site induction. The purpose of this is to minimise the potential for damage to trees during construction.

Protective Fencing

Protective fencing is a key element of the tree protection measures for this project and the specifications reference the minimum level of protection considered acceptable. This comprises 213 braced Heras panels (see Arboricultural Guidance Sheet AGS101 attached); the specification for these matches the specification detailed within British Standard 5837:2012.

A further 765m linear metres of chestnut pale fencing (see Arboricultural Guidance Sheet AGS104) is shown where a lesser risk to trees is anticipated.

The remainder of the site utilises existing watercourses and topographical features to protect retained trees from any incursion by contractors or mechanical plant. This may be reinforced by the provision of signage where considered necessary or beneficial.

On completion of this first phase of the project, all fencing must be retained for use on later phases. Fencing components must only be

disposed of if they are damaged such that they cannot be reused.

All fencing must be erected prior to the commencement of any mobilisation to site by contractors, plant or materials and must remain in situ until all construction works have been completed and approval for removal is granted by the arboricultural supervisor.

Tree Works

A tree works specification is detailed within the attached Tree Works Plan.

Further tree works for the proposed passing places are specified in the Arboricultural Impact Assessment attached to this document.

The appointed tree work contractor must ensure that all tree works comply with British Standard 3998:2010 (Tree Works - Recommendations) and it is strongly advised that the appointed tree contractor is Arboricultural Association Approved to ensure high standards and a consistency of work.

Under the Wildlife & Countryside Act 1981 & Countryside & Rights of Way Act 2000 it is an offence to recklessly damage or destroy the nest of a wild bird whilst in use or being built; planning consent does not provide a defence against prosecution under these Acts. Trees, shrubs and hedgerows on this site may contain nesting birds between 1st March and 31st August and it is advisable to undertake a survey of the site before commencing any vegetation removal between these dates, to ensure that no nesting birds are present. Advanced Arboriculture are able to undertake a survey to identify the presence of bats or nesting birds if required at the request of the client.

Attachments

- Arboricultural Data Tables
- Masterplan
- Site Redline Boundary Plan
- Tree Location Plans
- Tree Protection Plans
- Arb Method Statement Plan
- Tree Works Spec Plan
- Fencing Bill of Quantities
- Arboricultural Site Induction Sheet
- Arboricultural Supervision Log
- AGS101 Braced Heras Fencing
- AGS104 Light Duty (Chestnut Pale) Fencing
- AGS801 Protective Fencing Poster
- AGS802 Site Office Tree Poster
- Passing Places and Road Crossing Arb Impact Appraisal

Document Title:

Background Information

Location:

**Arne Moor
Dorset**

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
n/a	A3	TH

Advanced Arboriculture
Venmore Barn
Woodbury
Devon EX5 1LD
t: 01395 239002
e: info@advancedarb.com
w: www.advancedarb.com

Arboricultural Data Tables

Tree No	Species	Age Class	Condition	Observations	British Standard Class
W1	Birch, Willow, Oak, Holly	M	G	<ul style="list-style-type: none"> Mixed woodland with mature Oak mainly on hedgebanks, predominately Birch and Willow elsewhere Deadwood habitats throughout, glades within woodland. High conservation value Largest Oak on western boundary 810mm dbh tagged 1801 Wet drainage ditch along northern boundary 	B3
W2	Oak, Birch, Willow, Holly	M	G	<ul style="list-style-type: none"> Predominately Oak Woodland continues to west outside of redline boundary Paddock to northwest with line of Oaks on hedgebank (both outside of redline) 	B2
W3	Willow, Birch, Oak, Pine	MA - M	G	<ul style="list-style-type: none"> Mixed woodland with some large Oak on hedgebanks and predominately Birch and Willow elsewhere Some large Oaks on western boundary growing on higher land Largest Oak tagged 1805 Wet drainage ditch skirts western boundary 	B3
W4	Willow, Birch, Thorn	MA	F	<ul style="list-style-type: none"> Mainly Willow within wet isolated carr woodland One large twin stemmed Birch tagged 1806 dbh 460mm and 540mm Some Willows within woodland have been pollarded 	B3
W5	Pine, Birch, Oak	MA	F	<ul style="list-style-type: none"> Belt of primarily Scots Pine Woodland on higher ground to east, outside of redline boundary Significant landscape feature on boundary of site 	B2
W6	Oak, Birch, Holly	Y - MA	F	<ul style="list-style-type: none"> Emergent woodland comprising Oak on outer perimeter banks 	B3
W7	Willow, Birch, Oak	MA	F	<ul style="list-style-type: none"> Dense wet woodland merging into W10 	B3
W8	Birch, Willow, Oak	MA	F	<ul style="list-style-type: none"> Emergent woodland with occasional higher quality Oaks Birch stems in generally in decline Merges into W9 and W11 	B3
W9	Willow, Oak	MA	F	<ul style="list-style-type: none"> Emergent woodland comprising primarily Willow with occasional good quality Oak 	B3
A1	Willow	MA	F	<ul style="list-style-type: none"> Discrete patches of Willow scrub 	C3
A2	Hawthorn, Holly, Oak	M	P - G	<ul style="list-style-type: none"> Clumps of vegetation growing on small hillock Some Holly in poor condition One mature good quality Oak in southernmost clump, dbh 620mm 	B1
A3	Willow, Birch	Y	F	<ul style="list-style-type: none"> Clumps of low density trees scattered amongst gorse 	C1
A4	Oak, Birch	MA	G	<ul style="list-style-type: none"> Area of low density stems with good future potential 	B2

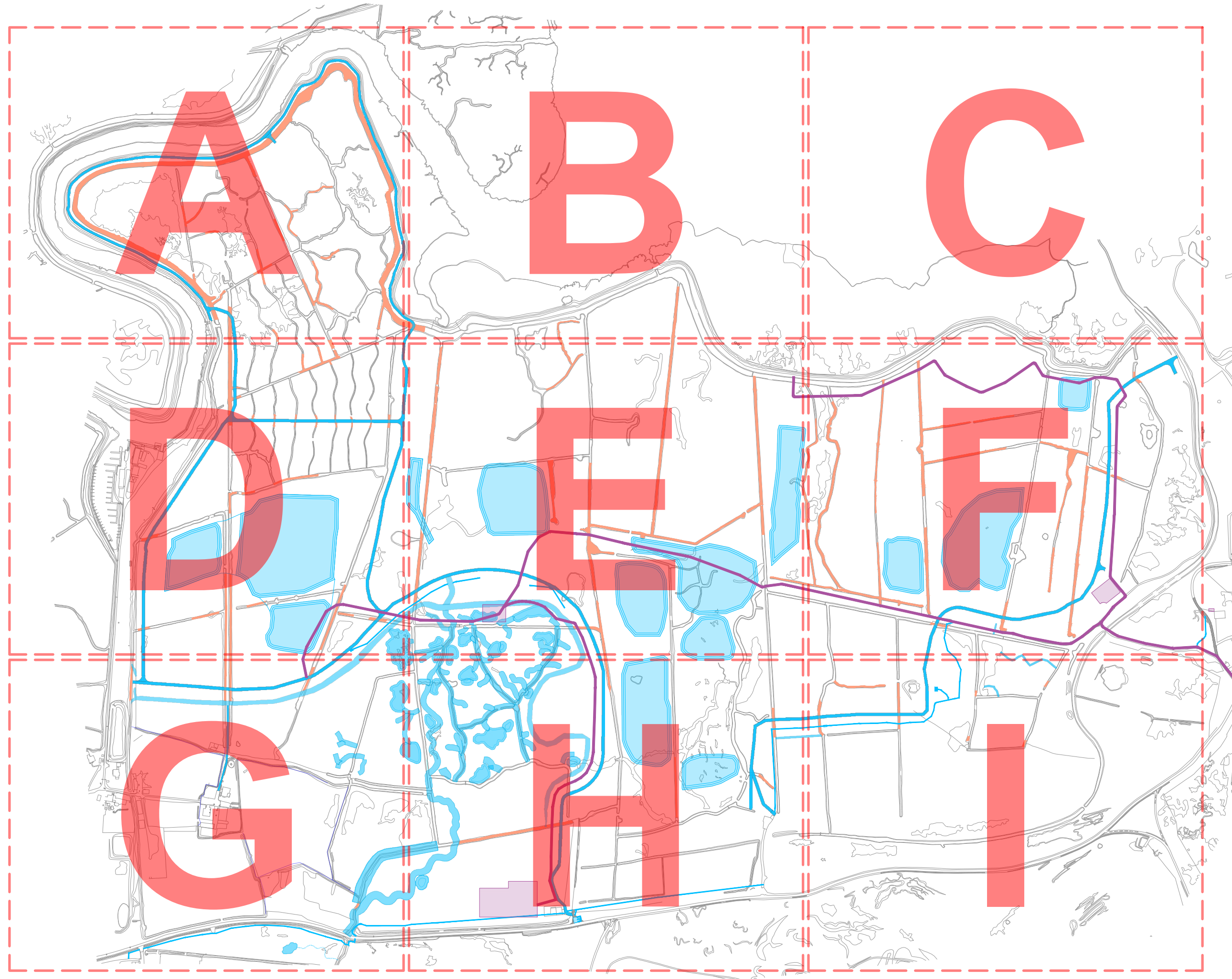
Tree No	Species	Age Class	Condition	Observations	British Standard Class
A5	Birch, Willow, Hawthorn	Y	F	<ul style="list-style-type: none"> Strip of low density stems amongst gorse Birch stems in decline 	C2
A6	Oak, Willow, Blackthorn	MA	F	<ul style="list-style-type: none"> Strip of trees bookended by two good quality Oaks tagged 1809 and 1810. Dbh of northern Oak 1809 530mm 	B3
A7	Willow, Birch	MA	F	<ul style="list-style-type: none"> Two clumps of Willow with some Birch 	C3
A8	Willow, Holly	MA	F	<ul style="list-style-type: none"> Strip of Willows with occasional Holly 	C1
A9	Oak, Holly	MA	G	<ul style="list-style-type: none"> Line of Oaks on field boundary with multi-stem Holly One large Oak tagged 1813, dbh 970mm, crown spread 11m 	B2
A10	Willow, Birch, Oak, Holly, Blackthorn	MA	F	<ul style="list-style-type: none"> Belt of variable quality stems either side of track One reasonable Oak present on western side of track 	C1
A11	Oak, Hawthorn, Holly, Willow	MA	G	<ul style="list-style-type: none"> Line of trees on hedgebank between campsite and agricultural grazing land, some good quality trees Trees on red line boundary – ownership uncertain 	B2
A12	Oak, Willow	M	G	<ul style="list-style-type: none"> Cluster of larger Oaks with occasional Willow at northern end Some good quality mature specimens present Trees on red line boundary – ownership uncertain 	B2
A13	Willow, Oak	M	G	<ul style="list-style-type: none"> Continuation of A12, predominately Willow with occasional Oak 	B2
A14	Willow	MA	G	<ul style="list-style-type: none"> Isolated clump of Willow 	C1
A15	Oak, Horse Chestnut, Hawthorn, Beech, Dogwood	MA	F	<ul style="list-style-type: none"> Line of roadside trees Significant landscape feature 	B2
A16	Willow	MA	F	<ul style="list-style-type: none"> Isolated clump 	C1
A17	Oak, Willow, Birch	MA	F	<ul style="list-style-type: none"> Oak has good future potential 	B2
A18	Oak, Willow, Birch	MA	F	<ul style="list-style-type: none"> Field hedgerow on red line boundary 	B2
A19	Willow, Birch, Pine, Oak, Hawthorn	MA	F	<ul style="list-style-type: none"> Wet emergent woodland and scrub. Fragmented patchwork of trees and scrub merging into wetter lands to north Wet drainage ditch running through northern part of area 	C3
A20	Pine, Birch, Oak, Willow	Y - M	F	<ul style="list-style-type: none"> Emergent scrub woodland with some larger Pines roadside south eastern corner and larger Oaks adjacent track that leads to Moors Majority of this area is rough, ungrazed wet land Pond to northwest between W5 and W4 	C3

Tree No	Species	Age Class	Condition	Observations	British Standard Class
G1	Oak	M	G	<ul style="list-style-type: none"> Group of approximately 24 mature Oaks growing on western and northern side of Furze Brook, between 0 - 7m from brook's bank. Largest tree tagged 1803 dbh 580mm, 4.5m to west of brook 	B2
G2	Willow	MA	F	<ul style="list-style-type: none"> Line of Willow extending eastwards from Oaks A9 	C2
G3	Birch	MA	F	<ul style="list-style-type: none"> Isolated clump near track 	C3
G4	Willow	M	F	<ul style="list-style-type: none"> Isolated row of Willow on field boundary 	C3
G5	Oak	MA	G	<ul style="list-style-type: none"> Pair of well-formed oaks with single coalesced crown Westernmost tree tagged 1808 dbh 640mm 	A1
H1	Oak, Birch, Willow, Holly	M	G	<ul style="list-style-type: none"> Roadside hedge One large tree near field entrance tagged 1802 dbh 870mm 	B2
H2	Willow, Birch, Oak, Blackthorn	MA	G	<ul style="list-style-type: none"> Mostly Willow growing along wet ditch Three Oaks near western end, largest tagged 1804 dbh 560mm growing 4m from northern edge of Furze Brook, two others 510mm dbh (growing on northern edge of Furze Brook) and 290mm dbh 	B2
H3	Oak, Willow	M	G	<ul style="list-style-type: none"> Hedgerow Oak Outside of red line boundary 	B2
T1	Oak	Y	G	<ul style="list-style-type: none"> Growing on edge of deep wet ditch, unable to access Estimated dbh 400mm 	B2
T2	Oak	MA	G	<ul style="list-style-type: none"> Hedgerow specimen with good future potential Unable to access, estimated dbh 450mm 	B2
T1811	Holly	A	F	<ul style="list-style-type: none"> Unusual old Holly coppice, stool approximately 2m diameter 	A3

Key: Condition G Good
 F Fair
 P Poor

Age Class Y Young
 MA Middle-aged
 M Mature
 A Ancient





Key

- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds

N

Notes

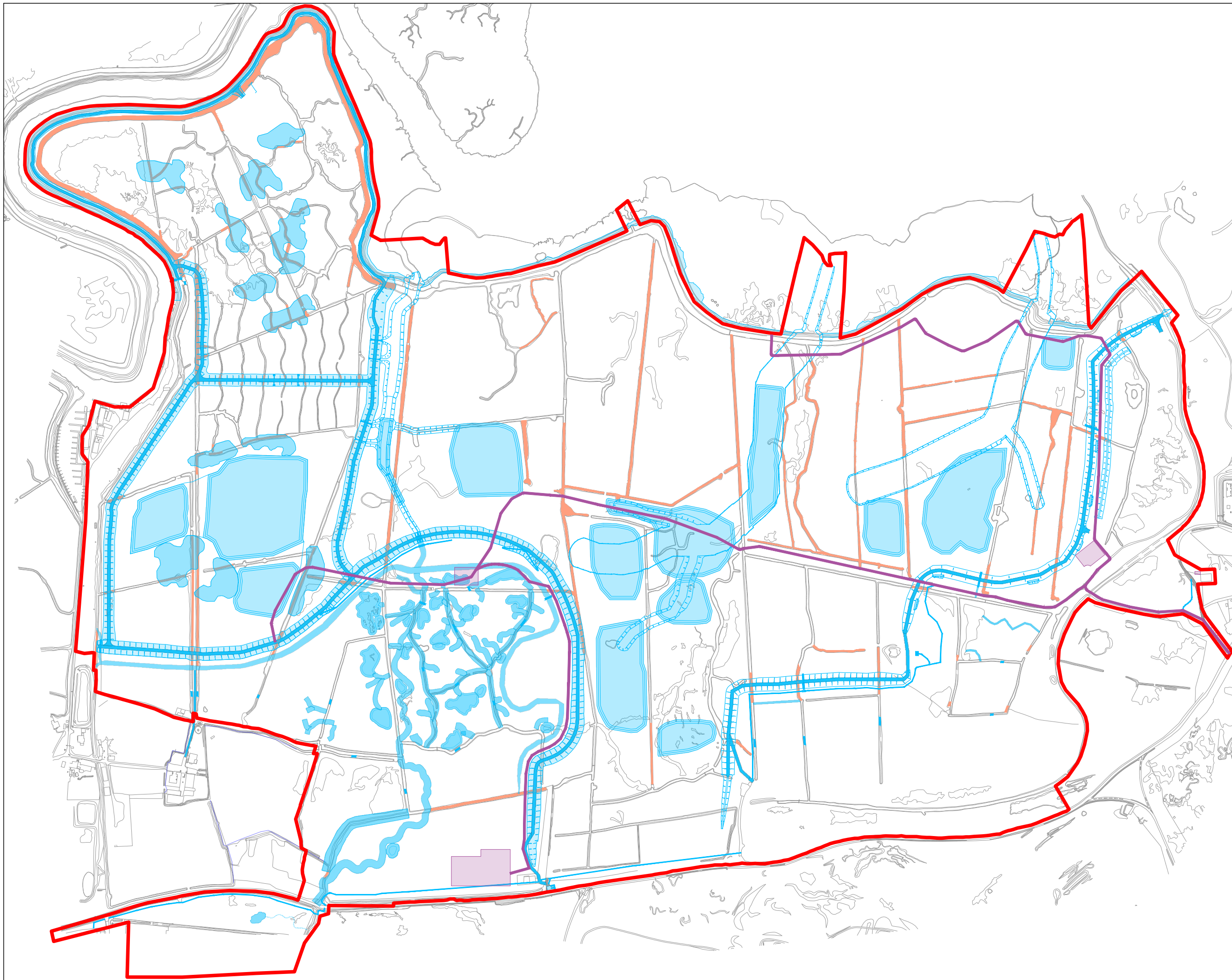
- Some tree locations on these drawings have been surveyed by Advanced Arboriculture using a combination of on-site measurement and triangulation, plus referencing Google Earth imaging. Accuracy of tree locations is expected to be ±1.0m but cannot be guaranteed.
- Tree locations shown on these drawings must not be used for the purposes of setting out the site.

Drawing Title:
Masterplan

Location:
**Arne Moor
Dorset**

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
not to scale	A3	TH

Advanced Arboriculture
 Venmore Barn
 Woodbury
 Devon EX5 1LD
 t: 01395 239002
 e: info@advancedarb.com
 w: www.advancedarb.com



Key

- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Site redline boundary

N

Notes

- This document only covers project elements within the redline boundary identified on the drawing to the left. Further associated tree protection elements may be required in due course for passing places or other infrastructure located outside of the redline boundary.

Drawing Title:
Site Redline Boundary Plan

Location:
**Arne Moor
 Dorset**

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
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Advanced Arboriculture
 Venmore Barn
 Woodbury
 Devon EX5 1LD
 t: 01395 239002
 e: info@advancedarb.com
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Note: No tree features are present on any locations within this section of the site

- Key**
- T_n Category A feature
 - T_n Category B feature
 - T_n Category C feature
 - T_n Category U feature



Location Inset



Drawing Title:
Tree Location Plan Inset A

Location:
Arne Moor Dorset

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
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Scale (m)
0
50
100
200


Note: No tree features are present on any locations within this section of the site



Scale (m)
0
50
100
200

Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature

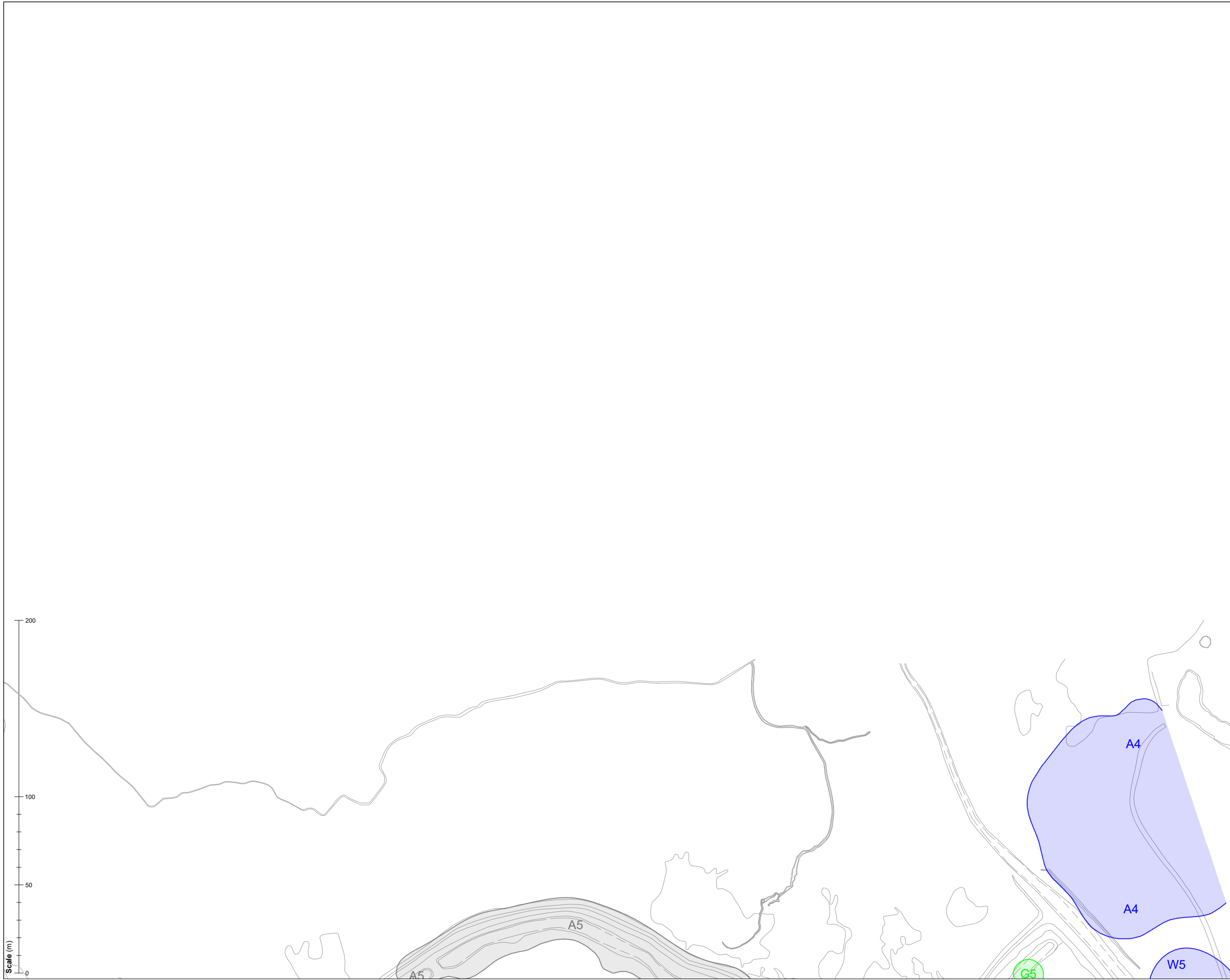


Drawing Title:
**Tree Location Plan
Inset B**

Location:
**Arne Moor
Dorset**

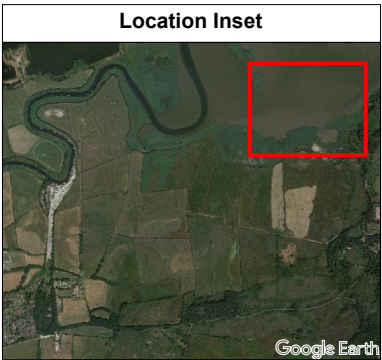
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20.03.2023	GJ/B497/0123	1.2
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Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature



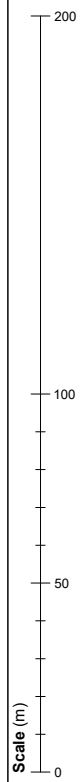
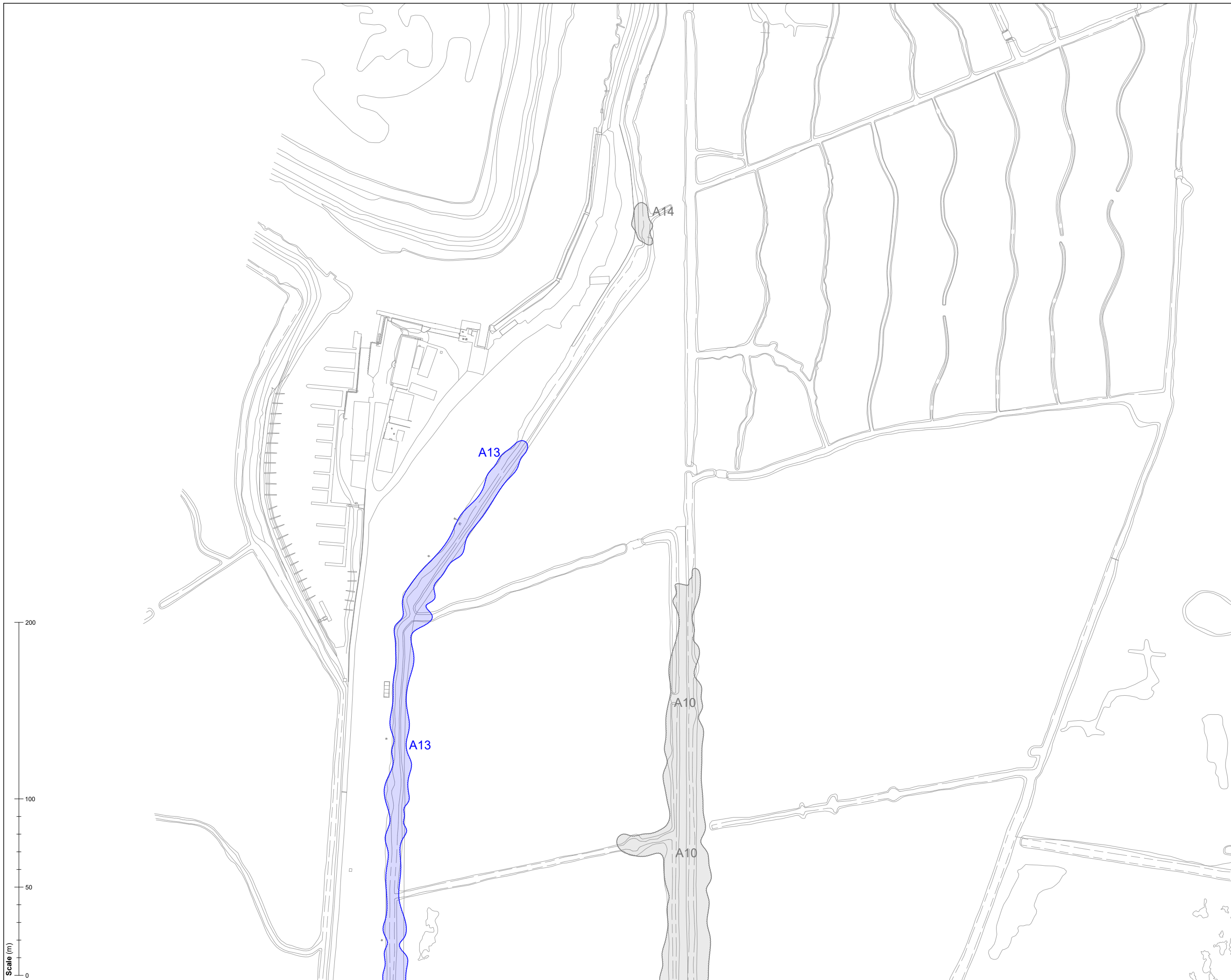
Drawing Title:
Tree Location Plan
Inset C

Location:
Arne Moor
Dorset

Date:	Project Reference:	Revision:
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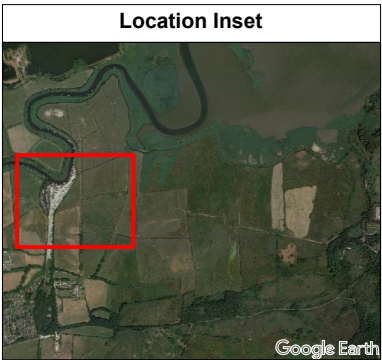
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 Woodbury
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Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature



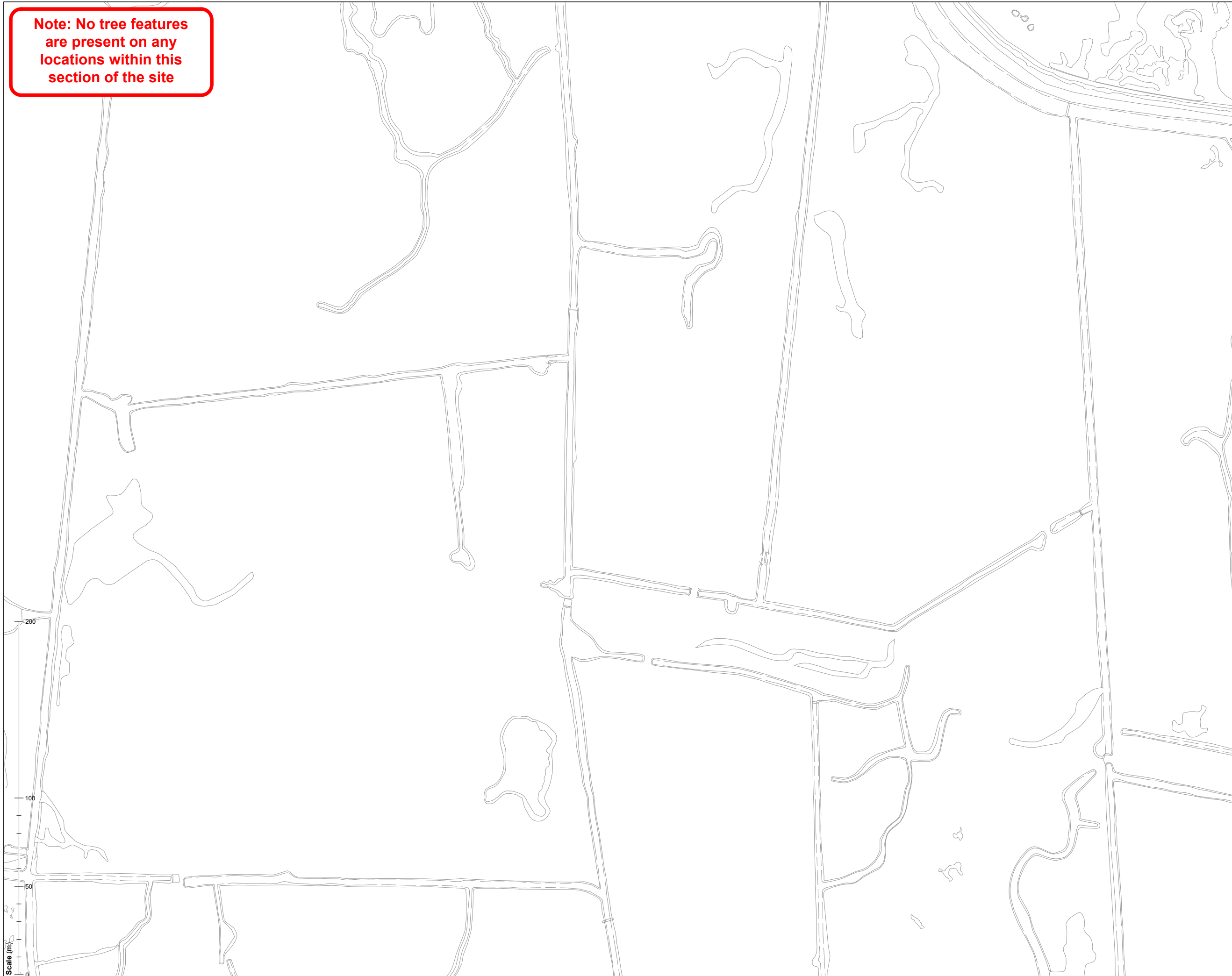
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**Tree Location Plan
 Inset D**

Location:
**Arne Moor
 Dorset**

Date: 20.03.2023	Project Reference: GJ/B497/0123	Revision: 1.2
Scale: 1:2,000	Paper Size: A3	Drawn By: TH

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 Venmore Barn
 Woodbury
 Devon EX5 1LD
 t: 01395 239002
 e: info@advancedarb.com
 w: www.advancedarb.com

Note: No tree features are present on any locations within this section of the site



Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature

N

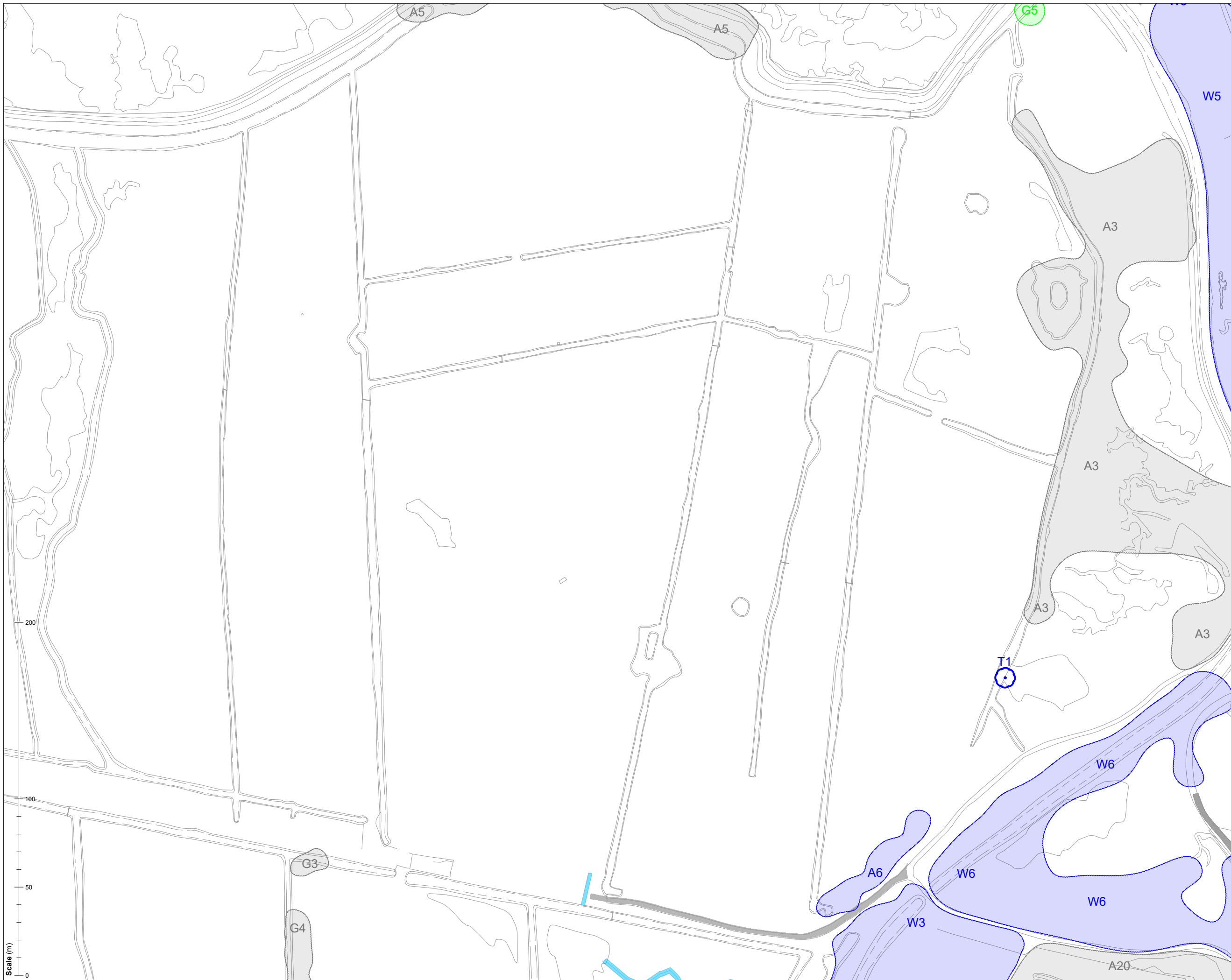


Drawing Title:
**Tree Location Plan
Inset E**

Location:
**Arne Moor
Dorset**

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
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Venmore Barn
Woodbury
Devon EX5 1LD
t: 01395 239002
e: info@advancedarb.com
w: www.advancedarb.com



Key

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- T_n Category B feature
- T_n Category C feature
- T_n Category U feature

N



Drawing Title:
**Tree Location Plan
 Inset F**

Location:
**Arne Moor
 Dorset**

Date: 20.03.2023	Project Reference: GJ/B497/0123	Revision: 1.2
Scale: 1:2,000	Paper Size: A3	Drawn By: TH

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Key

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N



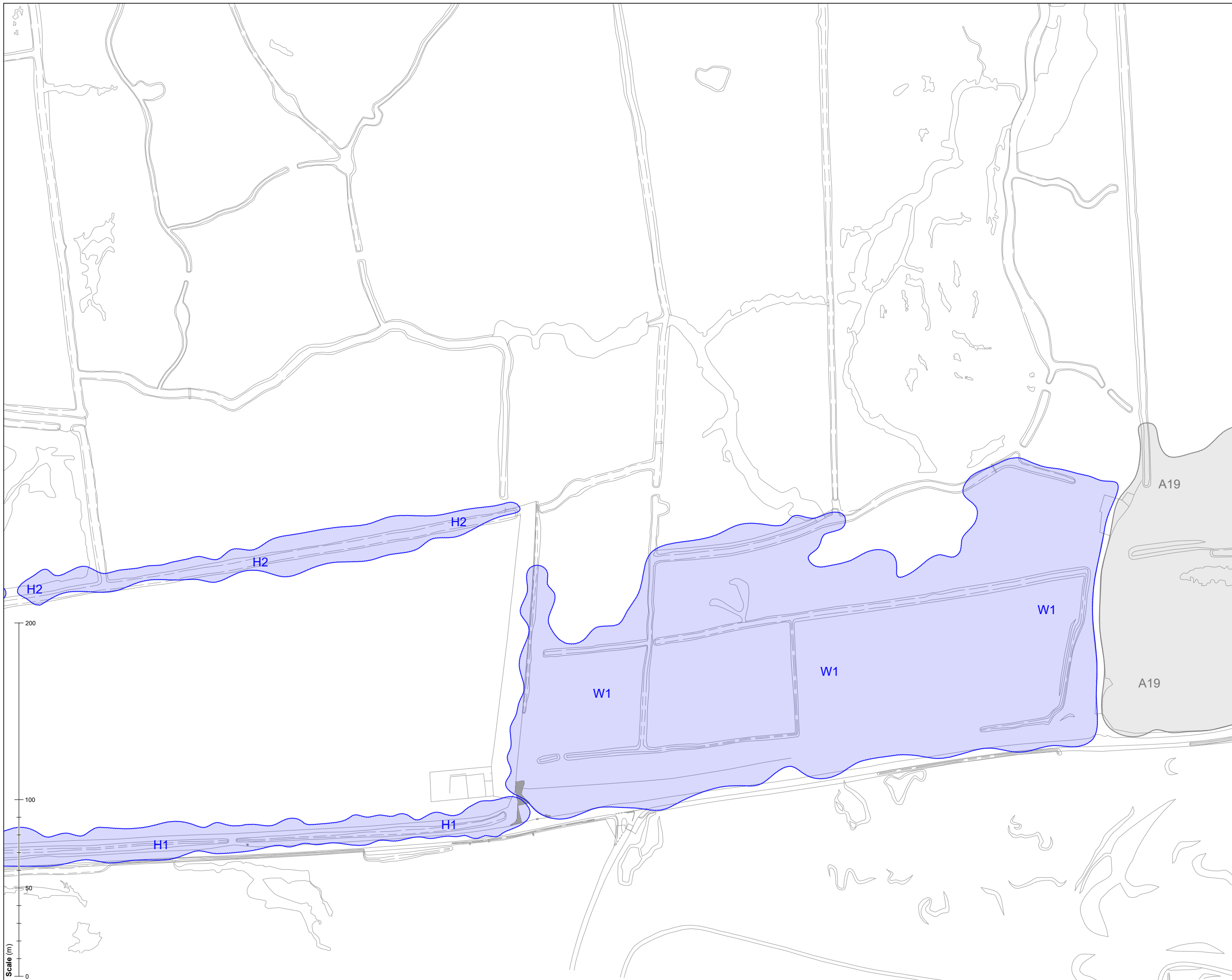
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**Tree Location Plan
 Inset G**

Location:
**Arne Moor
 Dorset**

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
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Key

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N

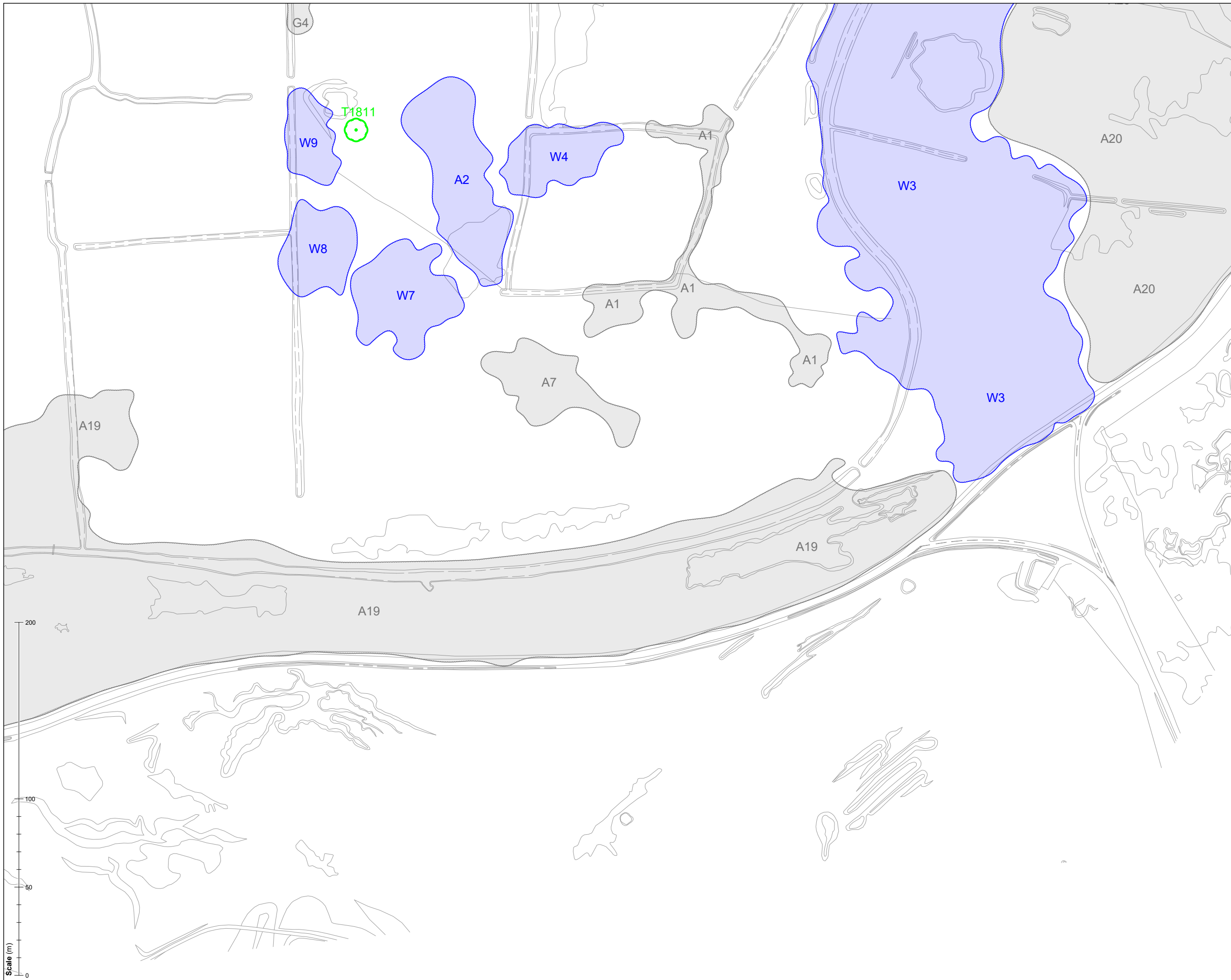


Drawing Title:
Tree Location Plan
Inset H

Location:
Arne Moor
Dorset

Date: 20.03.2023	Project Reference: GJ/B497/0123	Revision: 1.2
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 Woodbury
 Devon EX5 1LD
 t: 01395 239002
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N



Drawing Title:
Tree Location Plan Inset I

Location:
Arne Moor
Dorset

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Note: No tree protection measures are required in any locations within this section of the site

Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature
- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Braced Heras fencing (see AGS101)
- ~ Chestnut pale fencing (see AGS104)
- ① Fencing section number
- Treework zone



Drawing Title:
Tree Protection Plan Inset A

Location:
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Dorset**

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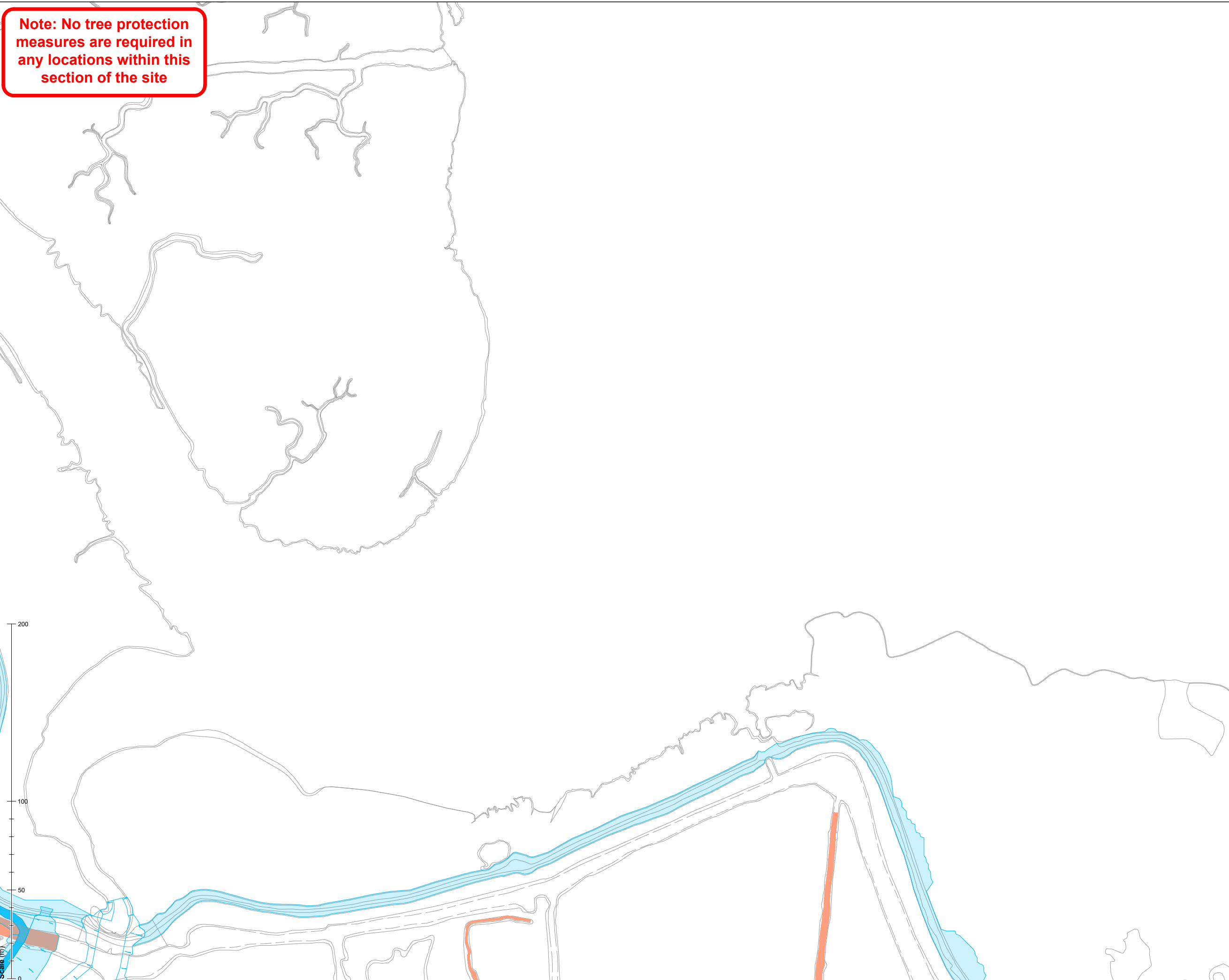
Scale (m)

200

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Note: No tree protection measures are required in any locations within this section of the site

Key

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- ~ ~ ~ Chestnut pale fencing (see AGS104)
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- Treework zone



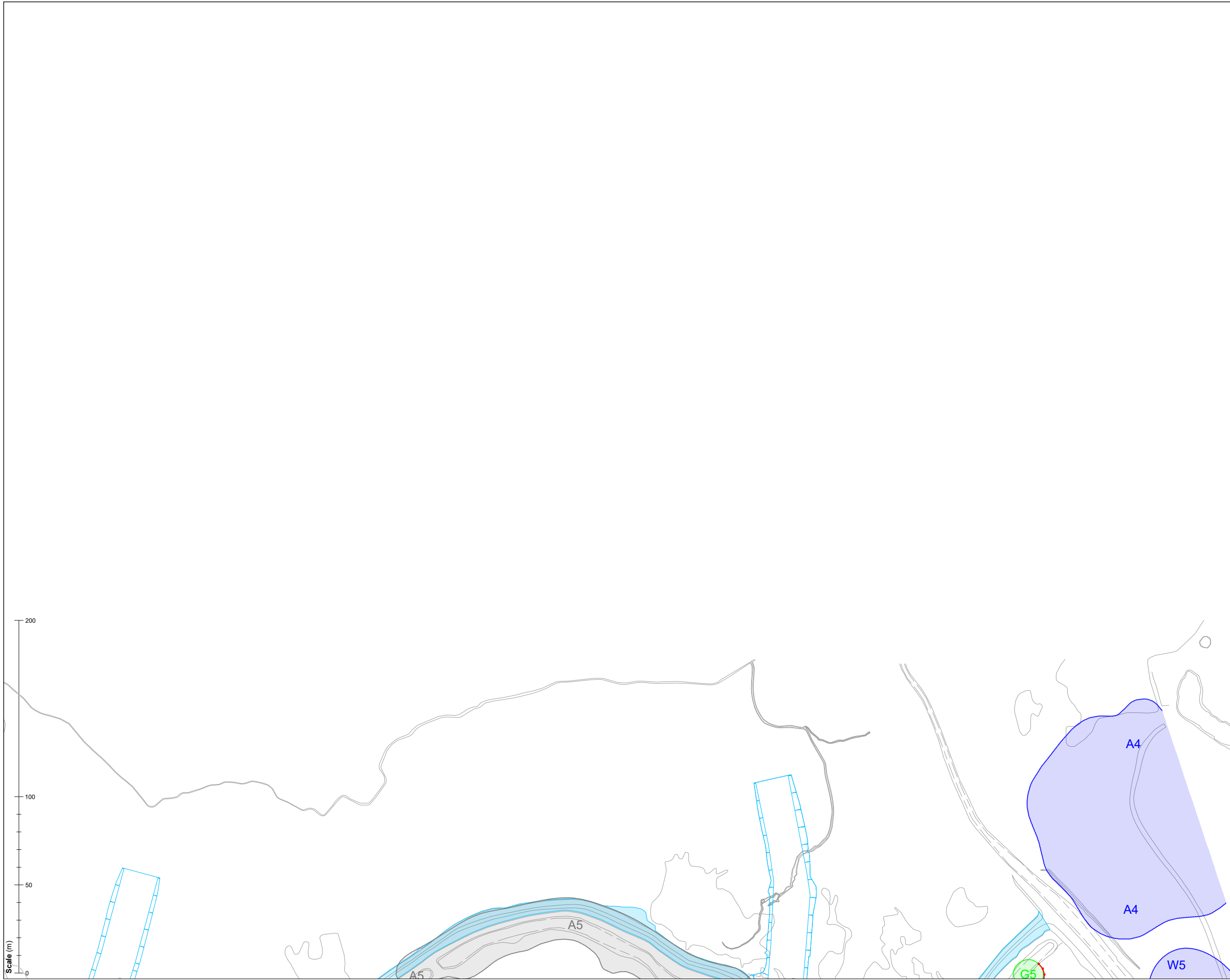


Drawing Title:
**Tree Protection Plan
Inset B**

Location:
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- ~~~~~ Chestnut pale fencing (see AGS104)
- ① Fencing section number
- Treework zone





Drawing Title:
Tree Protection Plan
Inset C

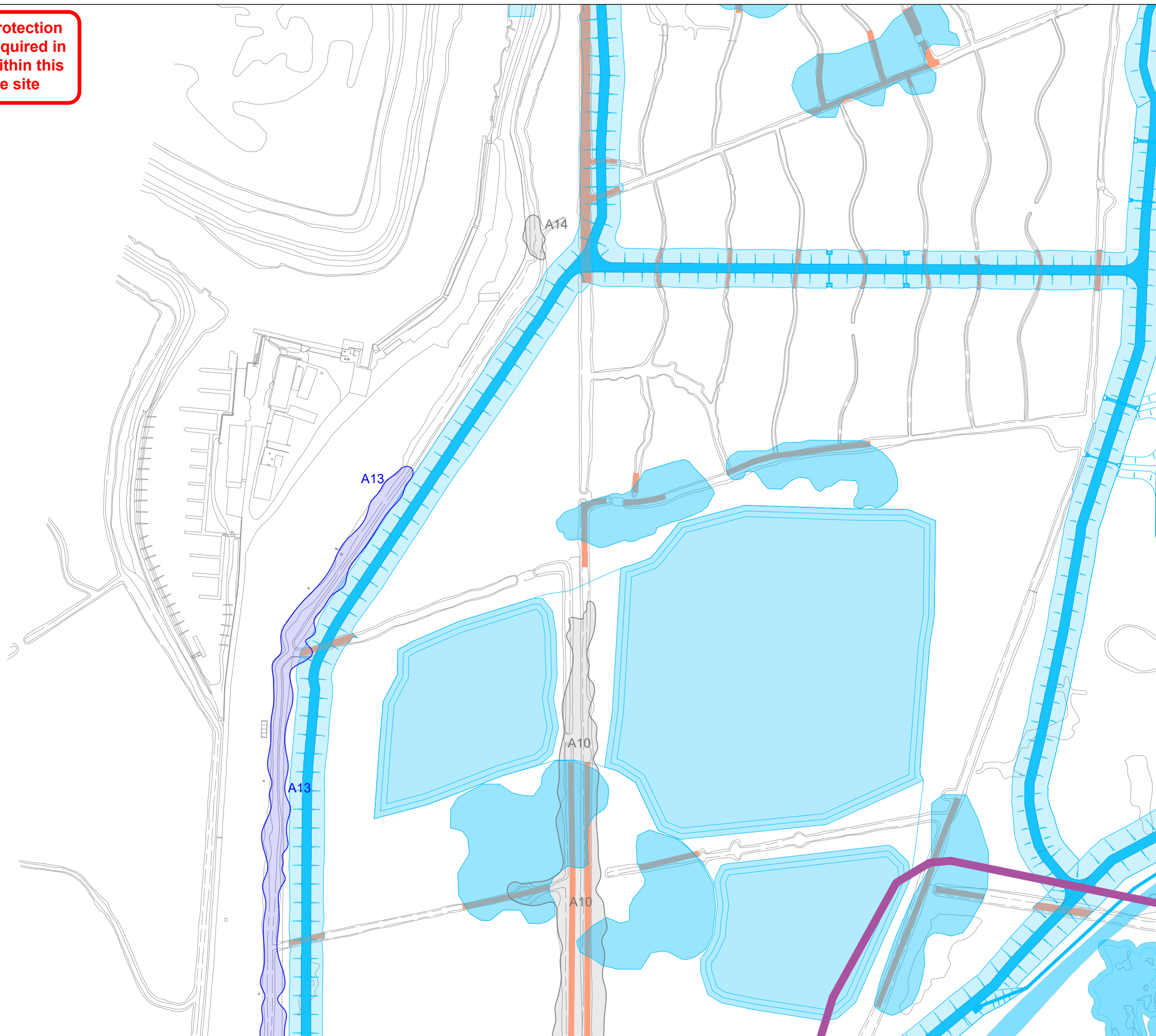
Location:
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Dorset

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
1:2,000	A3	TH

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 Woodbury
 Devon EX5 1LD
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 e: info@advancedarb.com
 w: www.advancedarb.com

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Note: No tree protection measures are required in any locations within this section of the site



Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature
- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Braced Heras fencing (see AGS101)
- Chestnut pale fencing (see AGS104)
- ① Fencing section number
- Treework zone

N

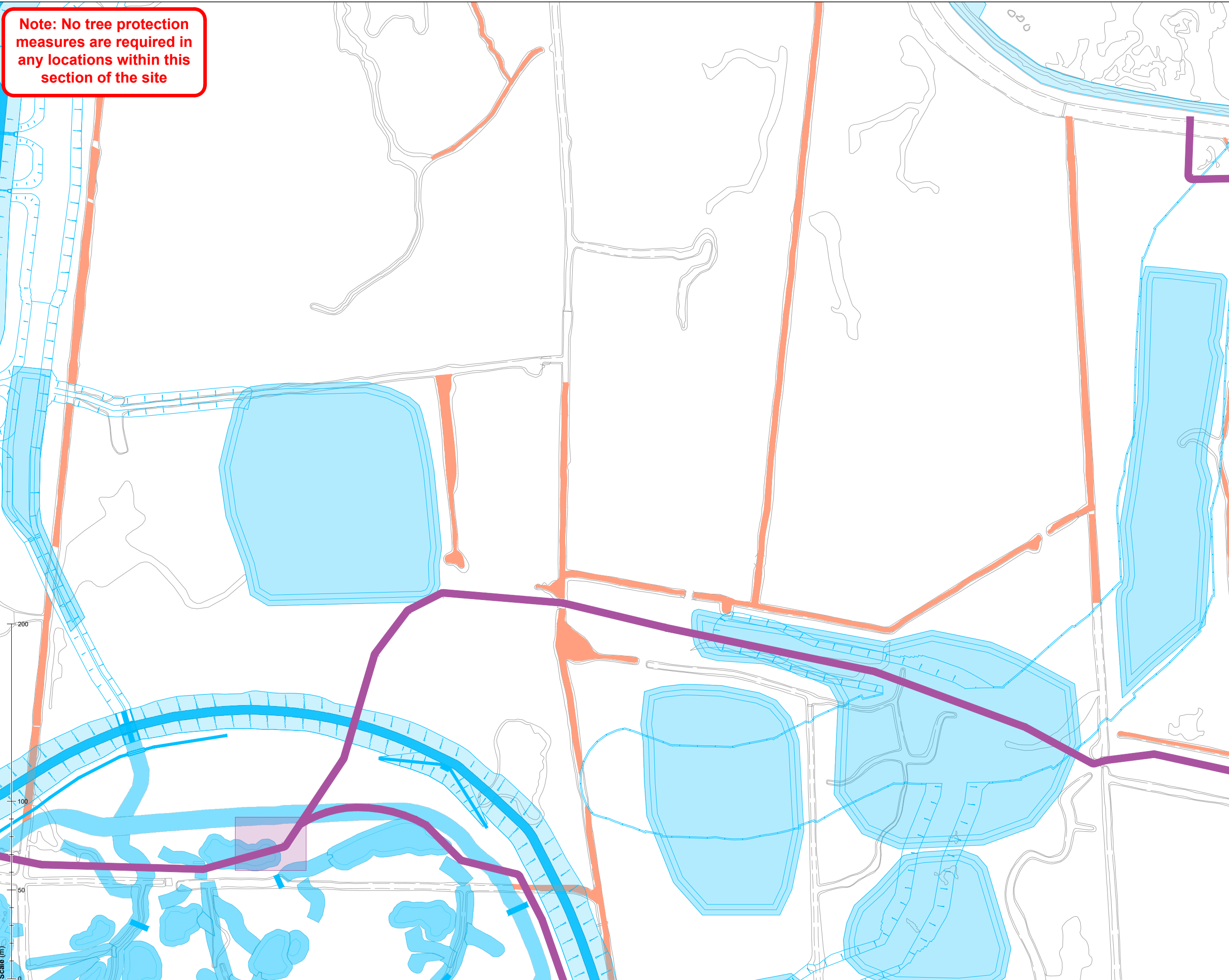


Drawing Title:
Tree Protection Plan Inset D

Location:
Arne Moor
Dorset

Date: 20.03.2023	Project Reference: GJ/B497/0123	Revision: 1.2
Scale: 1:2,000	Paper Size: A3	Drawn By: TH

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Note: No tree protection measures are required in any locations within this section of the site

Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature
- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Braced Heras fencing (see AGS101)
- Chestnut pale fencing (see AGS104)
- ① Fencing section number
- Treework zone

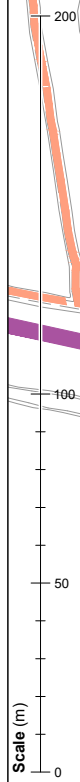
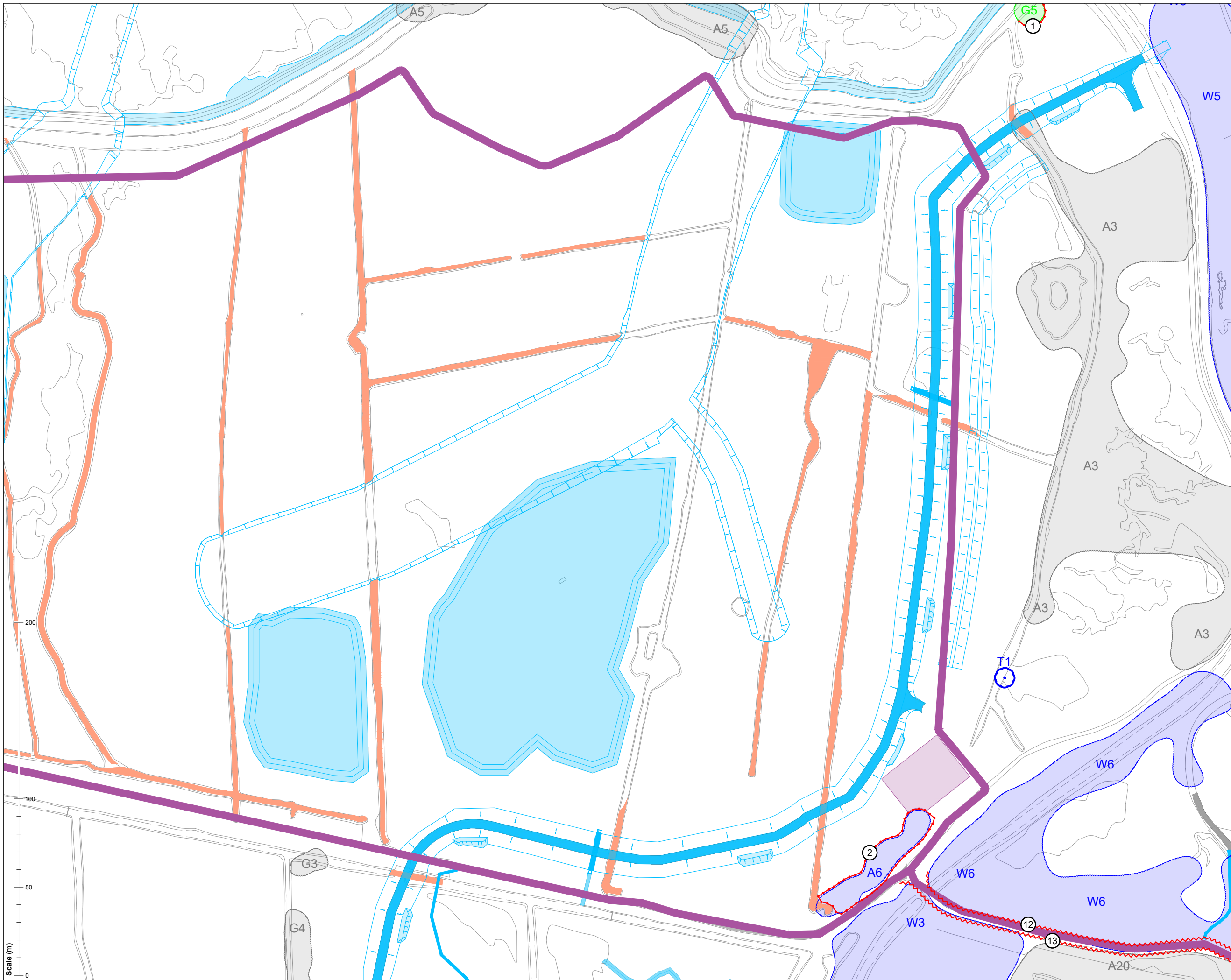


Drawing Title:
Tree Protection Plan Inset E

Location:
Arne Moor
Dorset

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
1:2,000	A3	TH

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Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature
- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Braced Heras fencing (see AGS101)
- Chestnut pale fencing (see AGS104)
- 1 Fencing section number
- Treework zone



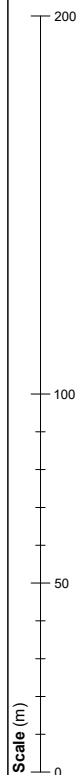
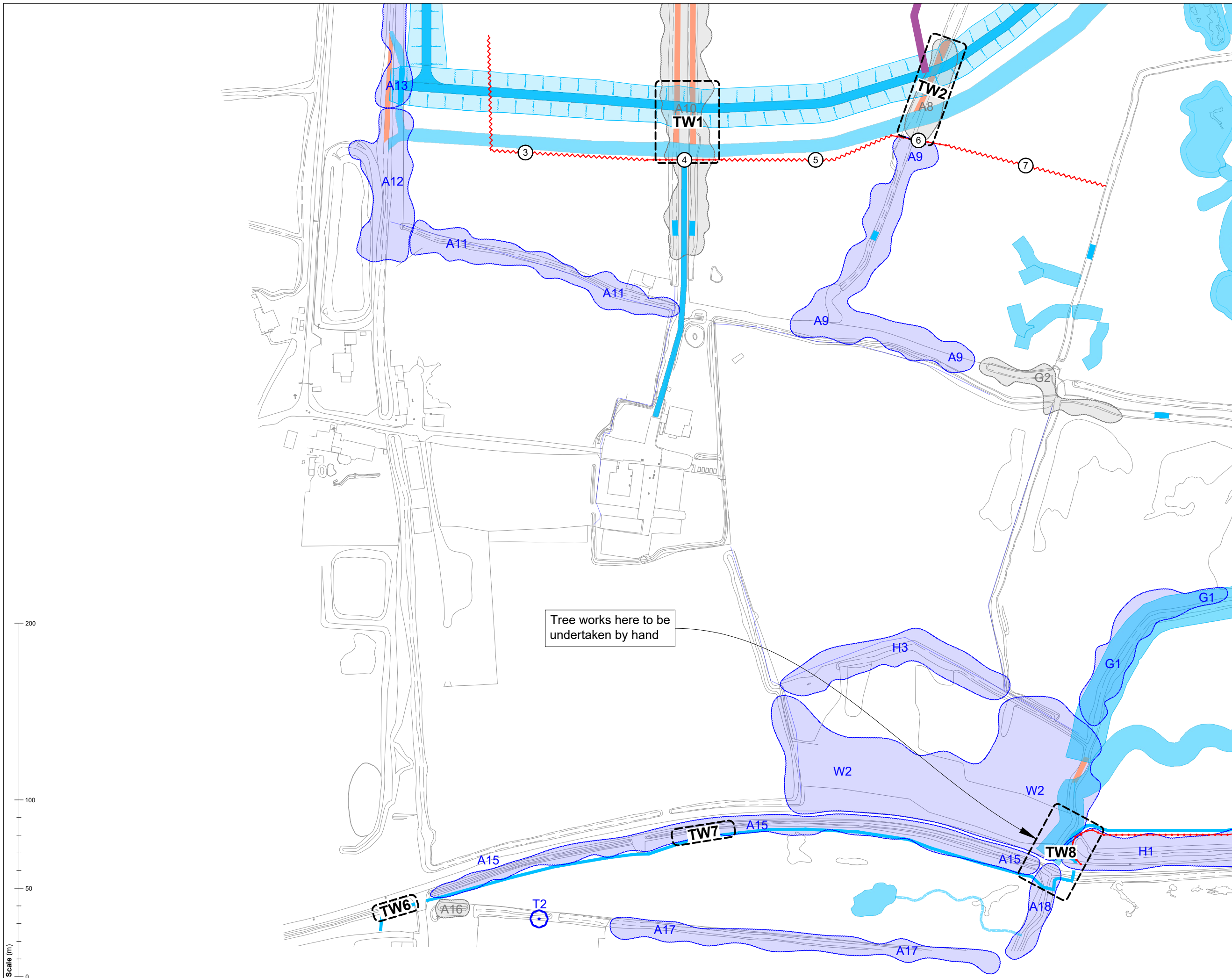
Drawing Title:
**Tree Protection Plan
 Inset F**

Location:
**Arne Moor
 Dorset**

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
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Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature
- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Braced Heras fencing (see AGS101)
- Chestnut pale fencing (see AGS104)
- ① Fencing section number
- Treework zone



Drawing Title:
**Tree Protection Plan
 Inset G**

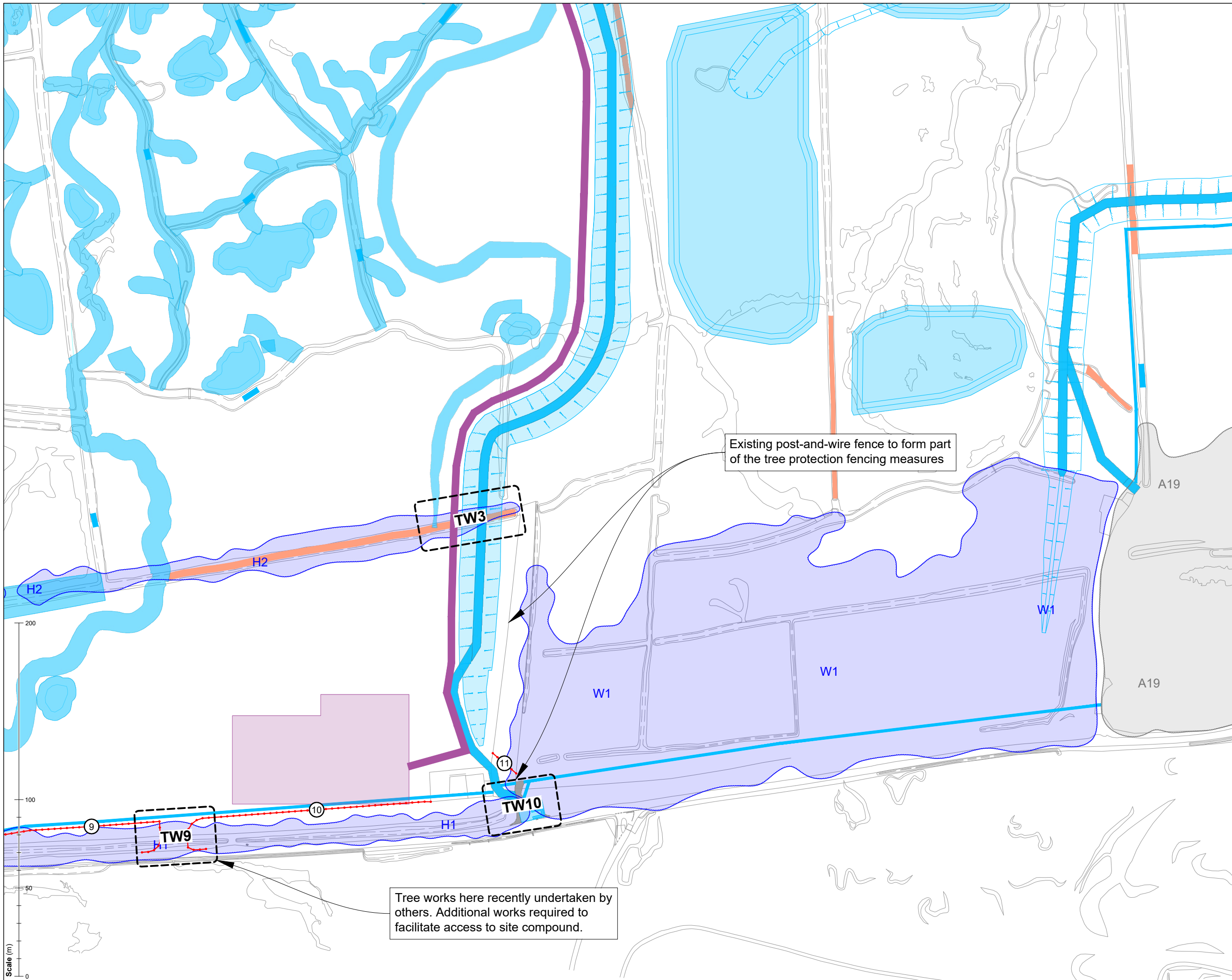
Location:
**Arne Moor
 Dorset**

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
1:2,000	A3	TH

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Tree works here to be undertaken by hand

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Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature
- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Braced Heras fencing (see AGS101)
- Chestnut pale fencing (see AGS104)
- ① Fencing section number
- Treework zone



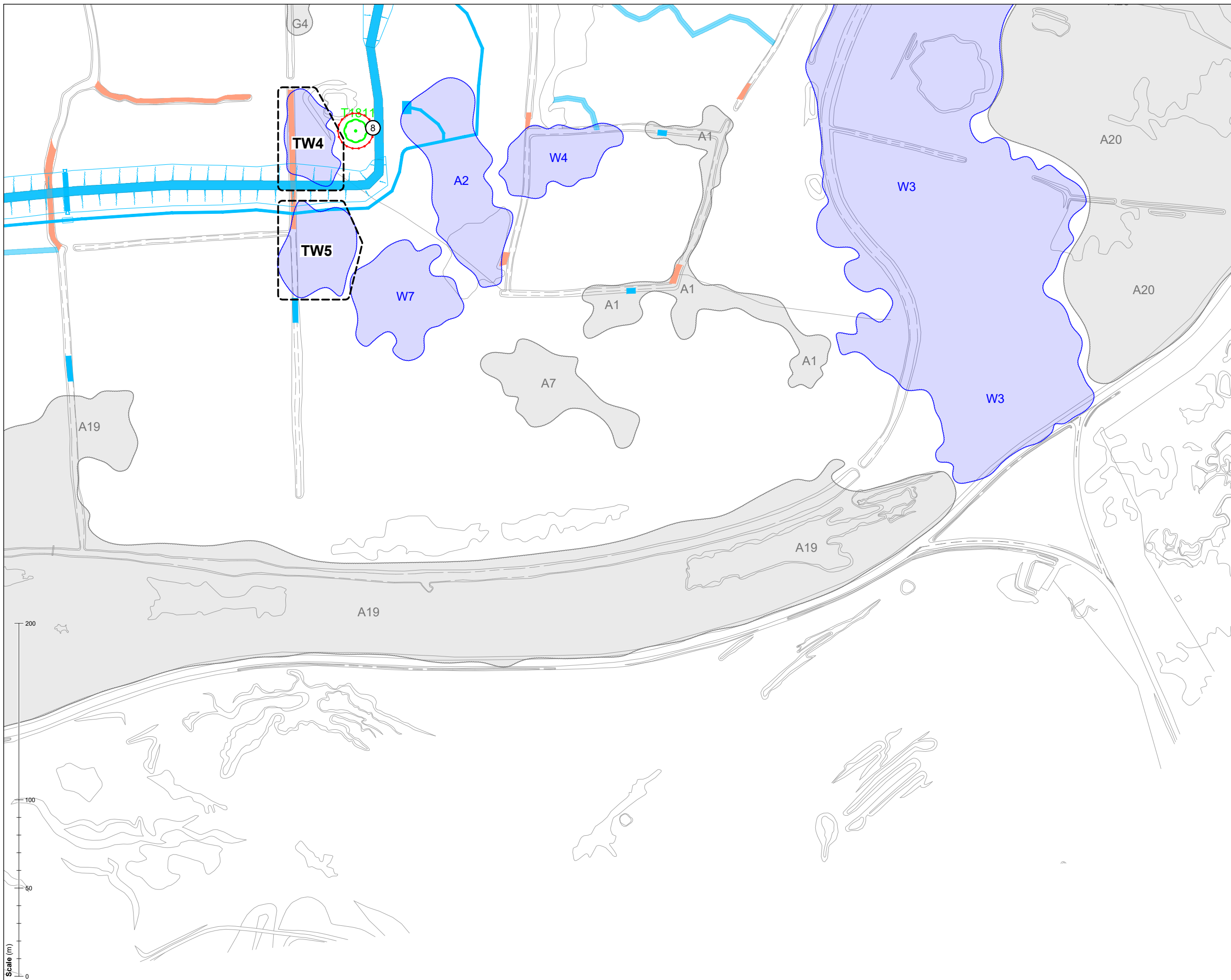


Drawing Title:
**Tree Protection Plan
 Inset H**

Location:
**Arne Moor
 Dorset**


Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
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Key

- T_n Category A feature
- T_n Category B feature
- T_n Category C feature
- T_n Category U feature
- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Braced Heras fencing (see AGS101)
- Chestnut pale fencing (see AGS104)
- 8 Fencing section number
- Treework zone



N



Drawing Title:
**Tree Protection Plan
 Inset I**

Location:
**Arne Moor
 Dorset**

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
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Arboricultural Method Statement

All works to be undertaken sequentially in accordance with the following schedule:

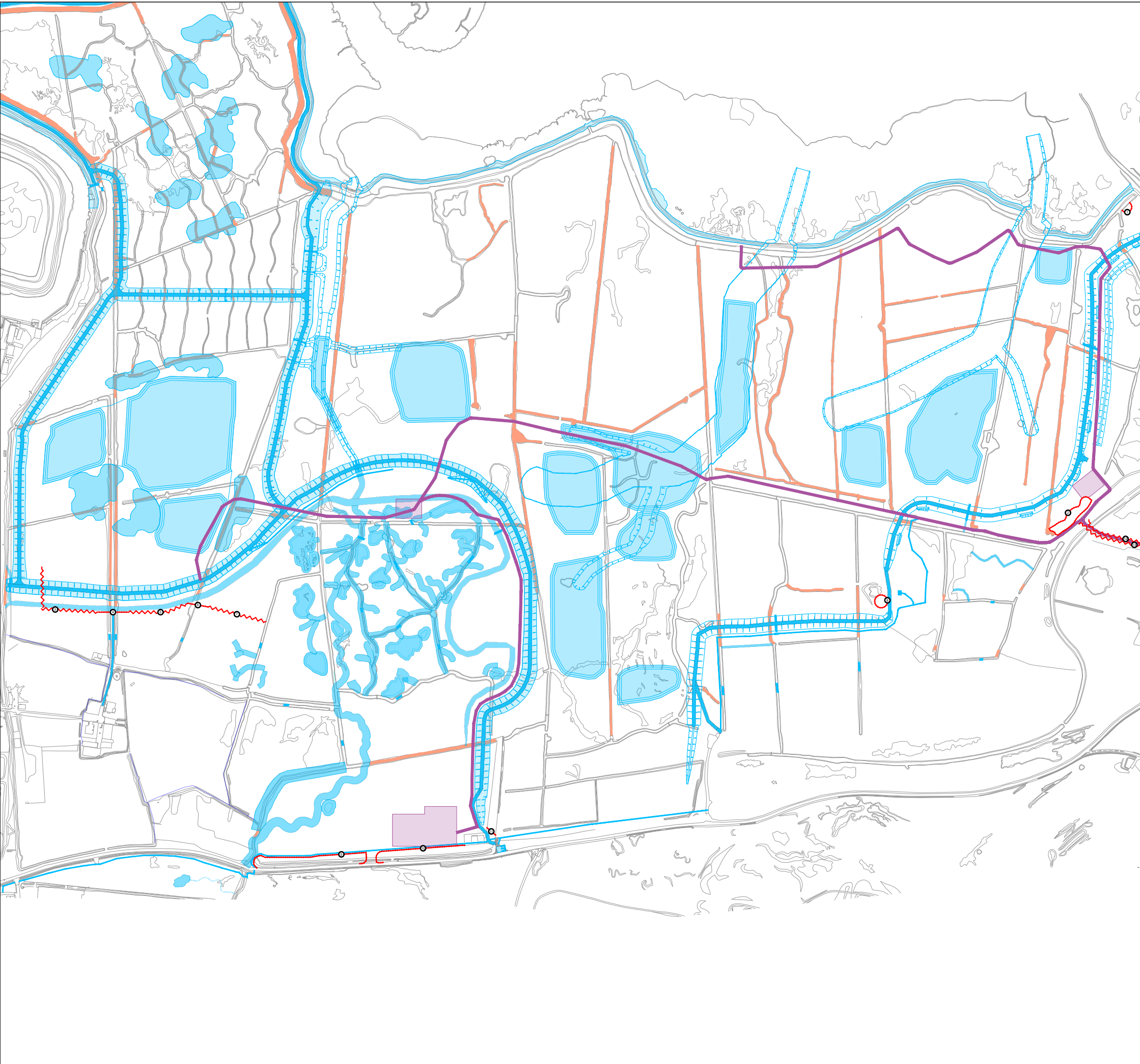
1. Tree Protection Plan and Arboricultural Method Statement to be reviewed and signed off by the Site Manager and Arboricultural Supervisor (see below). Any amendments to be made and a copy of all revised documents sent to the local planning authority as necessary. Signed off copy to be held on file in the site office for the duration of construction works.
2. All site personnel, including sub-contractors, to be advised of tree protection requirements during induction (see Arboricultural Induction Sheet).
3. All tree works to be undertaken in accordance with British Standard 3998:2010.
4. Protective fencing to be installed as per the specifications detailed within Arboricultural Guidance Sheet AGS101 and AGS104.
5. Arboricultural supervisor to attend site to inspect fencing prior to the commencement of any construction activities (may be done via Skype/Facetime where practicable).
6. Site set-up and construction to commence in accordance with approved site scheme.
7. Advanced Arboriculture to undertake ad hoc inspections at the request of the site manager or client. All inspections to be logged on the Arboricultural Supervision Inspection Record and any issues to be raised within an Exception Report to the client.
8. Any accidental damage to trees or concerns regarding trees to be reported immediately to Advanced Arboriculture with any necessary remedial works to be agreed with the local planning authority.
9. Fencing to be dismantled only on completion of all construction works and to allow for soft landscaping.
10. Signed copy of this drawing and Arboricultural Supervision Inspection Record to be held on project files on completion of all construction works.

Document Review

The Arboricultural Method Statement must be reviewed and signed off by the Site Manager and Arboricultural Supervisor prior to the commencement of works to ensure that it is fit for purpose.

Site Manager: _____
 Arb Supervisor: _____
 Date: _____

Document reviewed?	<input type="checkbox"/>	<input type="checkbox"/>
Issues raised?	<input type="checkbox"/>	<input type="checkbox"/>
Revised document required?	<input type="checkbox"/>	<input type="checkbox"/>



Key

- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Braced Heras fencing (see AGS101)
- Chestnut pale fencing (see AGS104)
- 1 Fencing section number

Notes

- Protective fencing must not be breached or dismantled at any point during the construction programme without the written consent of the local planning authority.
- Failure to fully comply with this Arboricultural Method Statement may result in the local planning authority pursuing enforcement action.
- It is the Site Manager's responsibility to ensure that all site personnel, plant and materials remain outside of the Construction Exclusion Zones and protective fencing at all times.

Drawing Title:
Arboricultural Method Statement Plan

Location:
Arne Moor
Dorset

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
Scale:	Paper Size:	Drawn By:
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Tree Works Specification

All tree works to be undertaken in accordance with the following specification:

- TW1 Clear ~50m of area A10 to enable construction
- TW2 Clear all trees within area A8 to enable construction
- TW3 Clear ~30m of hedgerow H2 to enable access
- TW4 Clear woodland W9 to facilitate works and to facilitate future site use by RSPB
- TW5 Clear woodland W8 to facilitate works and to facilitate future site use by RSPB
- TW6 Crown lift Beech and other roadside vegetation to maximise visibility along Arne Road for vehicles using passing place 7
- TW7 Crown lift Oaks on both sides of road to maintain a clearance of 4.5-5.0m above passing bays
- TW8 Clear stems to ground level up to 1.0m either side of footprint of new path and access
Crown lift any remaining vegetation to maintain a vertical clearance of 3.0-3.5m
Remove central Oak stem on southern side of road to allow for construction of path
Works to be undertaken by hand only, no heavy machinery in this area
- TW9 Remove all trees marked with a red spray dot to facilitate site compound access
Coppice one tree marked with a circle to a height of ~2.0m
- TW10 Crown lift eastern canopy of H1 removing five marked branches from two Oaks and one branch from Holly
Crown lift to ~5.0m above ground level any other trees within woodland W1 to enable access

General Considerations

- The appointed tree work contractor must ensure that all tree works comply with British Standard 3998:2010 (*Tree Works - Recommendations*).
- It is strongly advised that the appointed tree contractor is Arboricultural Association Approved to ensure high standards and a consistency of work.

Wildlife & Countryside Act 1981 & Countryside & Rights of Way Act 2000

- Under the above acts it is an offence to recklessly damage or destroy the nest of a wild bird whilst in use or being built.
- Planning consent does not provide a defence against prosecution under these Acts.
- Trees and shrubs on this site may contain nesting birds between 1st March and 31st August.
- It is advisable to undertake a survey of the site before commencing any tree or shrub removal between these dates, to ensure that no nesting birds are present.
- Advanced Arboriculture are able to undertake a survey to identify the presence of bats or nesting birds if required at the request of the client.



Key

- Proposed project footprint
- Existing watercourse sections to infill
- Access routes and compounds
- Treework zone



Notes

- This Tree Works Specification is to be read in conjunction with the following documents:

British Standard 3998:2010

Drawing Title:
Tree Works Specification Plan

Location:
**Arne Moor
Dorset**

Date: 20.03.2023	Project Reference: GJ/B497/0123	Revision: 1.2
Scale: 1:5,000	Paper Size: A3	Drawn By: TH

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Key

- Braced Heras fencing (see AGS101)
- Chestnut pale fencing (see AGS104)
- Fencing section number

Notes

- This Tree Works Specification is to be read in conjunction with the following documents:
British Standard 3998:2010

Drawing Title:
Tree Works Specification Plan

Location:
**Arne Moor
Dorset**

Date:	Project Reference:	Revision:
20.03.2023	GJ/B497/0123	1.2
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Fencing Section 1
Spec: AGS101
Length: 28m
Panels: 8

Fencing Section 2
Spec: AGS101
Length: 188.5m
Panels: 53

Fencing Section 12
Spec: AGS104
Length: 210m

Fencing Section 13
Spec: AGS104
Length: 220m

Fencing Section 8
Spec: AGS101
Length: 63m
Panels: 18

Fencing Section 3
Spec: AGS104
Length: 150m

Fencing Section 4
Spec: AGS101
Length: 42m
Panels: 12

Fencing Section 5
Spec: AGS104
Length: 100m

Fencing Section 6
Spec: AGS101
Length: 31.5m
Panels: 9

Fencing Section 7
Spec: AGS104
Length: 95m

Fencing Section 9
Spec: AGS101
Length: 217m
Panels: 62

Fencing Section 10
Spec: AGS101
Length: 161m
Panels: 46

Fencing Section 11
Spec: AGS101
Length: 17.5m
Panels: 5

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Tree Protection Information



Trees on this site are legally protected by the Local Planning Authority.

- Planning conditions, Tree Preservation Orders and Conservation Area regulations mean that damage to trees may result in enforcement action and all site works being stopped.



Protective fencing must not be moved or dismantled under any circumstances.

- The protective fencing for the trees is there to protect the trees and their rooting systems.
- The fencing must not be moved for any reason unless it has been approved by the Site Manager and the Arboricultural Supervisor.



The Construction Exclusion Zones are not to be used for any reason.

- These areas are there for a reason: to protect the tree above and below the ground.
- Storage of materials, the mixing of concrete, the fueling of machines, the parking of vehicles, etc. all cause damage to a tree's roots so use a designated zone for these activities.



Trees are not to be used for any purpose - they are there for the future.

- Trees are not to be used as a place to screw signs onto, or as cable supports.
- Fires can do massive damage to trees, both above and below ground, and even some distance away. If a fire is permitted on site, it must be at least ten metres from the nearest branch of any retained tree.



Extra care will always be required when craning or using excavators.

- It's too easy to accidentally swing an excavator boom, HIAB, crane jib or load into the branches or trunk of a tree so extra care is always required.
- Plan all movements carefully, make sure the operator has good visibility and, where possible, use an experienced banksman.



What to do if it all goes wrong?

- Accidents can happen so if a tree is damaged, even only slightly, this must be reported to the Site Manager immediately.
- If the Site Manager is not available then contact Advanced Arboriculture immediately to seek further advice.

All site staff including archaeologists, consultants, contractors, sub-contractors, arborists and landscapers must sign below to confirm that they have read and understood this information

Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----
Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----
Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----
Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----
Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----
Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----
Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----
Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----
Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----
Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----	Full Name: _____ Signature: _____ ----- Company: _____ Date: _____ -----

Notes for Site Manager

- **Damage to trees during construction can result in enforcement action, including the local authority issuing Stop Notices or pursuing prosecution for damage to trees covered by a Tree Preservation Order.**
- It is essential that all staff working on site, including contractors, sub-contractors and delivery drivers, are made aware of the tree protection measures in operation on this site.
- It may be necessary to read the sheet out to personnel with limited literacy or language skills.
- Every member of staff must sign this sheet to confirm that they have fully understood the tree protection measures. The sheet must remain on site with the Tree Protection Plan and Arboricultural Method Statement to allow for inspection at any reasonable time by the Arboricultural Supervisor or the Local Planning Authority Arboricultural Officer.
- In the event of any queries, concerns or amendments, please contact Advanced Arboriculture at the earliest opportunity.
- **It is essential that the project has a designated Arboricultural Supervisor. If this role has not been assigned then please contact the client or Project Manager to request authorisation to appoint an Arboricultural Supervisor.**
- **It is the Site Manager's responsibility to ensure that all staff are fully inducted, that all tree protection measures are installed and maintained correctly, and that the scheduling detailed within the Arboricultural Method Statement is followed.**

Arboricultural Supervisor

(unless otherwise instructed)

Name: Tom Hurley
Company: Advanced Arboriculture
Tel: 01395 239002
Mobile: 07967 384910
Email: th@advancedarb.com

Drawing Title:

Arboricultural Site Induction Sheet

Location:

**Arne Moor
Dorset**

Date:	Project Reference:	Revision:
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 w: www.advancedarb.com

Phase 1 Arboricultural Supervision Log

<p>Notes for Site Manager</p> <ul style="list-style-type: none"> <li style="color: red;">Where arboricultural supervision is included as a condition of a planning consent, there is a legal obligation to ensure that it is complied with in full. It is the Site Manager's responsibility to ensure that the Arboricultural Supervisor is appointed and inspections commissioned as per the planning consent. Failure to comply with the prescribed arboricultural supervision requirements remains the responsibility of the Site Manager. Reasons for requesting ad hoc inspections may include accidental damage to trees, an amendment to proposals, or to clarify a detail on the Tree Protection Plan or Arboricultural Method Statement. The Arboricultural Supervisor shall make every effort to attend site within 48 hours of receiving a request from the Site Manager. Local planning authority officers may ask to see the completed Arboricultural Supervision Inspection Record at any reasonable time. Any issues raised during an inspection may require the Arboricultural Supervisor to prepare an Exception Report detailing remedial works or actions; these must also be kept on file in the site office. On completion of all construction works, a copy of this completed document can be provided to the local planning authority on request.

<p>Arboricultural Supervisor (unless otherwise instructed)</p> <p>Name: Tom Hurley Company: Advanced Arboriculture Tel: 01395 239002 Mobile: 07967 384910 Email: th@advancedarb.com</p>

<p>Drawing Title:</p> <p style="text-align: center;">Arboricultural Supervision Log</p>
--

<p>Location:</p> <p style="text-align: center;">Arne Moor Dorset</p> <table style="width: 100%; font-size: small;"> <tr> <td>Date:</td> <td>Project Reference:</td> <td>Revision:</td> </tr> <tr> <td>20.03.2023</td> <td>GJ/B497/0123</td> <td>1.2</td> </tr> <tr> <td>Scale:</td> <td>Paper Size:</td> <td>Drawn By:</td> </tr> <tr> <td>n/a</td> <td>A3</td> <td>TH</td> </tr> </table>	Date:	Project Reference:	Revision:	20.03.2023	GJ/B497/0123	1.2	Scale:	Paper Size:	Drawn By:	n/a	A3	TH
Date:	Project Reference:	Revision:										
20.03.2023	GJ/B497/0123	1.2										
Scale:	Paper Size:	Drawn By:										
n/a	A3	TH										

<p>Advanced Arboriculture</p> <p>Venmore Barn Woodbury Devon EX5 1LD t: 01395 239002 e: info@advancedarb.com w: www.advancedarb.com</p>
--

Initial Phase 1 Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Initial Tree Protection Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Ad Hoc Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Ad Hoc Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Ad Hoc Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Ad Hoc Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Ad Hoc Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Ad Hoc Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Ad Hoc Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Ad Hoc Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Ad Hoc Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

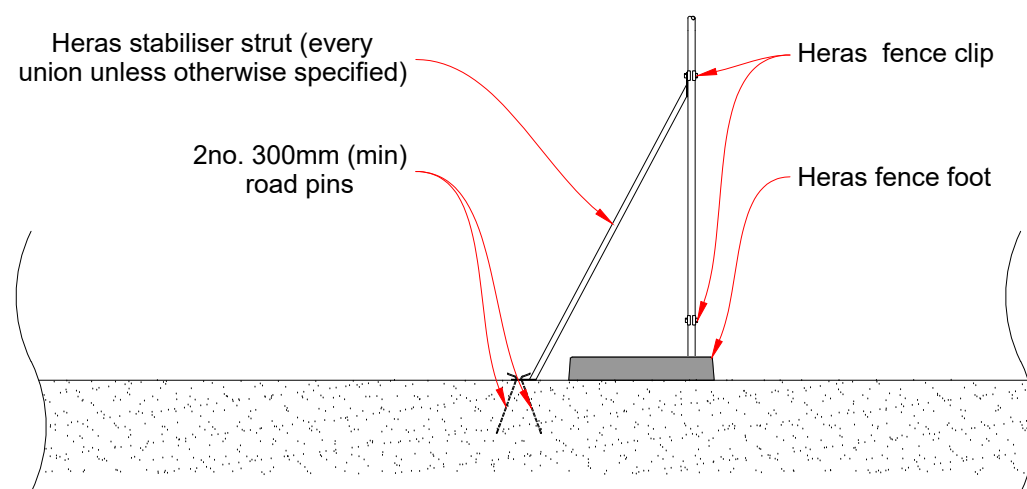
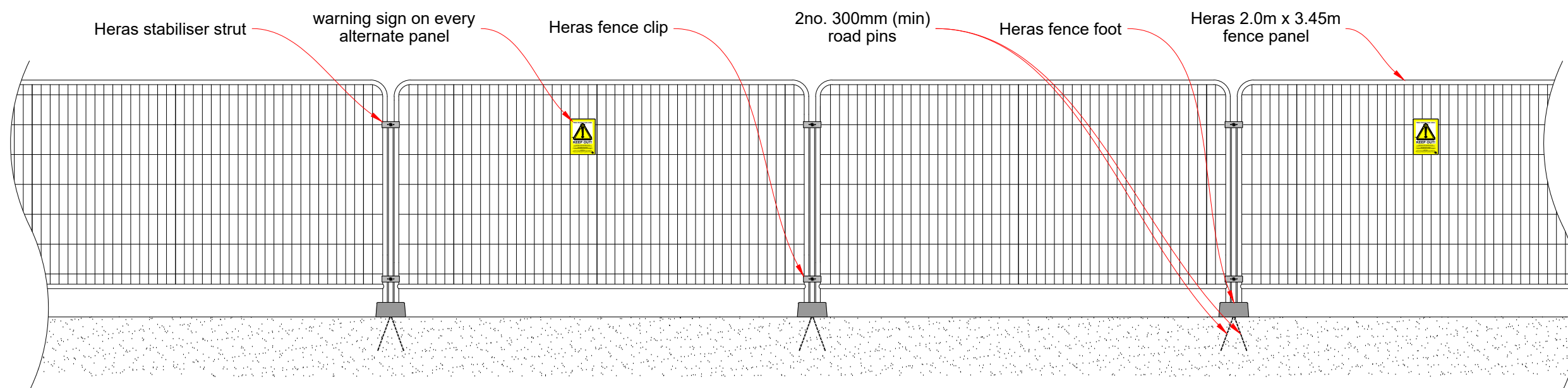
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Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Final Phase 1 Inspection	
Date: -----	
Inspector: -----	
Summary of Reason for Inspection:	

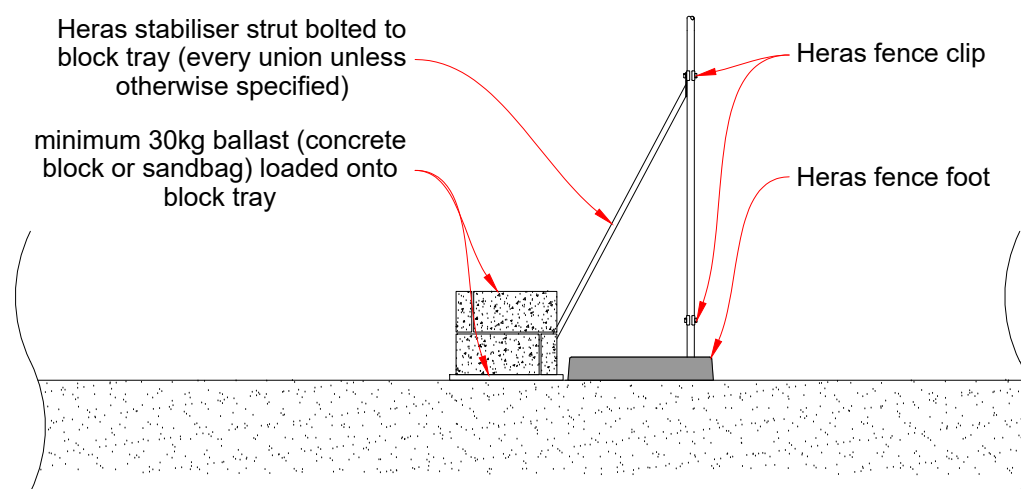
All concerns resolved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tree issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing issues?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exception Report required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Notes

- These specifications are for guidance only.
- This fencing specification is based on the specification detailed within British Standard 5837:2012 Figure 3 but adds an additional detail for where the use of road pins is not possible.
- Stabiliser struts to be attached at every panel union unless specified otherwise.
- A check for underground services must be completed before driving any road pins into the ground.
- Where it is not possible to use road pins due to hard surfacing or the presence of underground services, a Heras block tray may be used with a minimum of 10kg of ballast (concrete blocks, metal weights or sandbags).
- This information must accompany all tender documents to enable contractors to include tree protection measures in their costings.
- Local planning authority consent for these specifications cannot be assumed and must be sought prior to commencement of any construction works.



Back Bracing Cross Section (for use where road pins may be driven into the ground)



Back Bracing Cross Section (for use where road pins cannot be driven into the ground)

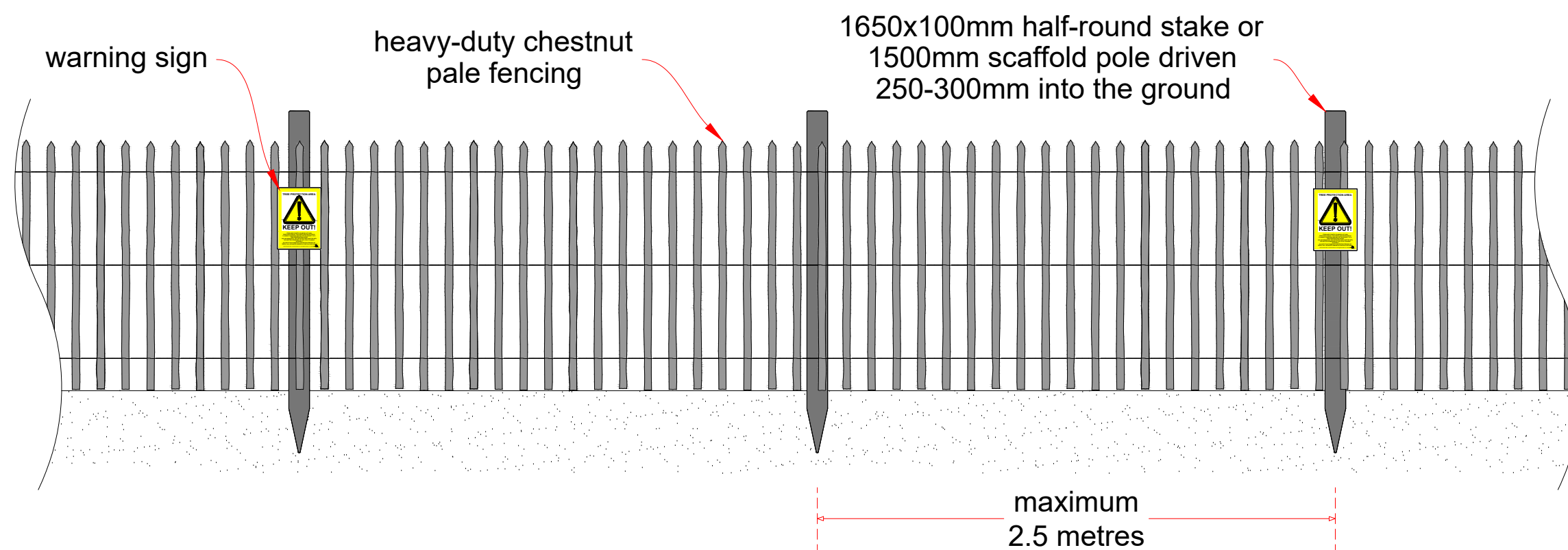
Drawing Title:
Braced Heras Fencing

Date:	Drawing Number:	Revision:
01.02.2021	AGS101	1.0
Scale:	Paper Size:	Drawn By:
1:40	A3	TH

Advanced Arboriculture
 Venmore Barn
 Woodbury
 Devon EX5 1LD
 t: 01395 239002
 e: info@advancedarb.com
 w: www.advancedarb.com

Notes

- These specifications are for guidance only.
- A check for underground services must be completed before driving any timber stakes into the ground. Where underground services may prevent safe use of stakes driven into the ground, consent must be sought from the local planning authority for the use of a heavier duty system such as braced Heras fencing (see Arboricultural Guidance Sheet AGS101) or a water-filled plastic barrier block system.
- This information must accompany all tender documents to enable contractors to include tree protection measures in their costings.
- Local planning authority consent for these specifications cannot be assumed and must be sought prior to commencement of any construction works.



Drawing Title:

Light Duty (Chestnut Pale) Fencing

Date:	Drawing Number:	Revision:
01.02.2021	AGS104	1.0
Scale:	Paper Size:	Drawn By:
1:25	A3	TH

Advanced Arboriculture
Venmore Barn
Woodbury
Devon EX5 1LD
t: 01395 239002
e: info@advancedarb.com
w: www.advancedarb.com

TREE PROTECTION AREA



KEEP OUT

(TOWN AND COUNTRY PLANNING ACT 1990)

TREES ENCLOSED BY THIS FENCE ARE LEGALLY PROTECTED BY PLANNING CONDITIONS AND MAY BE THE SUBJECT OF A TREE PRESERVATION ORDER.

ANY INCURSION INTO THE PROTECTED AREA MUST HAVE THE WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY.

IN CASE OF ANY DAMAGE TO PROTECTIVE FENCING OR TREES, CALL ADVANCED ARBORICULTURE ON 01395 239002.

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Notes

This poster may be printed out and laminated or requested electronically as an A4 PDF or ready printed on laminated board.

Printing Instructions (A4 printing only):

- For the best results, this document should be printed using a colour laser printer and laminated.
- Open this file in Adobe Acrobat Reader or Acrobat Pro.
- Select *File > Print*.
- Choose the printer and make sure it is set to print on A4 paper.
- Under *Size Options*, choose "Actual size".
- Under *Orientation*, choose "Portrait".
- Select *Print*.

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A3: <http://www.advancedarb.com/download/A3.pdf>

These documents may only be used for projects where Advanced Arboriculture have been appointed as the arboricultural supervisors.

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Arboricultural Supervisor

(unless otherwise instructed)

Name: Tom Hurley
Company: Advanced Arboriculture
Tel: 01395 239002
Mobile: 07967 384910
Email: th@advancedarb.com

Drawing Title:

Protective Fencing Poster

Date:	Drawing Number:	Revision:
01.02.2021	AGS801	1.0
Scale:	Paper Size:	Drawn By:
n/a	A3	TH

Advanced Arboriculture
Venmore Barn
Woodbury
Devon EX5 1LD
t: 01395 239002
e: info@advancedarb.com
w: www.advancedarb.com

CAUTION



PROTECTED TREES ON SITE

- DO NOT ENTER TREE PROTECTION FENCING
- ALWAYS USE DESIGNATED STORAGE, MIXING AND PARKING AREAS
- TAKE ADDITIONAL CARE WHEN DRIVING HIGH SIDED VEHICLES
- ALWAYS USE A BANKSMAN WHEN USING HIABS, CRANES AND EXCAVATORS NEAR TREES

REPORT ANY TREE DAMAGE TO SITE MANAGER IMMEDIATELY

Notes

The poster must be put up on the site office board and in the workforce welfare facilities at the commencement of construction and must remain clearly visible for the duration of the project.

The Site Manager must enter their name and mobile telephone number in the box on the poster. In the event of any accidental damage to any trees (including rooting damage), the Site Manager must contact the Arboricultural Supervisor immediately to seek further advice.

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These documents may only be used for projects where Advanced Arboriculture have been appointed as the arboricultural supervisors.

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Arboricultural Supervisor

(unless otherwise instructed)

Name: Tom Hurley
Company: Advanced Arboriculture
Tel: 01395 239002
Mobile: 07967 384910
Email: th@advancedarb.com

Drawing Title:

Site Office Tree Poster

Date:	Drawing Number:	Revision:
01.02.2021	AGS802	1.0
Scale:	Paper Size:	Drawn By:
n/a	A3	TH

Advanced Arboriculture
Venmore Barn
Woodbury
Devon EX5 1LD
t: 01395 239002
e: info@advancedarb.com
w: www.advancedarb.com

Passing Places and Road Crossing Arb Impact Appraisal

Arne Moor Passing Places and Road Crossing Arboricultural Impact Appraisal

The following design guidance elements are included within this assessment:

- Passing places 1 through 8;
- Link from Sunnyside Farm car park to Arne Road;
- Field link from passing place 7;
- The road crossing from Sunnyside Farm to the north of Arne Road;

Passing Place 1

This existing pull-in provides an incomplete tarmac surface which transitions to heavily compacted stone and earth either side. There is a large, high quality Oak to the north-east of the pull-in and some rooting is anticipated to extend beneath the heavily compacted surface from this tree.

Reinstatement of the entire layby with a tarmac surface would risk significant harm to the rooting system of the mature Oak. It is therefore recommended that the existing tarmac be replaced with new tarmac, and the compacted, uneven ground be scraped to a maximum depth of 100mm using a grading bucket on an excavator and filled with a self-binding aggregate. This may need to be replenished as the scheme progresses depending on the level of damage.

Some crown lifting of the Oak and other roadside vegetation to a height of 3.0-3.5m may be required to maximise the visibility around the bends to the east.

Arboricultural Impact of Proposals: Low

Passing Place 2

There are no arboricultural impacts associated with any new lay-by or realignment of the Tuckers Mill Close junction as there are no trees present.

Any localised minor crown lifting or facing up of roadside vegetation to a height of 3.0-3.5m either side of any works here will have a negligible impact on trees.

Arboricultural Impact of Proposals: Low

Passing Place 3 (South-eastern Side of Road)

The central section of the passing place on the south-east of the road features uneven tarmac with heavily compacted earth either side. The soil is likely to have some rooting present, albeit at a significantly reduced density.

To the north-east of the tarmac section is a large multi-stemmed Goat Willow which would benefit from recoppicing, irrespective of any passing place improvements. To the south-west of the tarmac section is a line of three young Oaks, the south-westernmost one of which leans out towards the road and is already vulnerable to being struck by high-sided vehicles.

Whilst it has not yet been decided how this passing place is to be surfaced, we advise against tarmacking the entire section as this would cause considerable rooting harm due to the depth of sub-base required, especially for the Oaks to the south-west.

We therefore recommend that the existing tarmac surface be repaired and that no more than 100mm of the compacted soil be scraped using a grading bucket to allow for a self-binding aggregate to be installed.

The multi-stemmed Goat Willow should be recoppiced and the third Oak, leaning heavily towards the road, removed. Any further vegetation or limbs overhanging the passing place should be cut back to a height of 4.5-5.0m to accommodate high-sided vehicles.

Arboricultural Impact of Proposals: Moderate

Passing Place 3 (South-eastern Side of Road)

There is already an informal narrow passing place on the south-eastern side of New Road, approximately opposite the south-western end of passing place 3.

There is a line of middle-aged Oaks set immediately adjacent to the edge of this passing strip and there is anticipated to be structural rooting beneath this heavily compacted but unsurfaced ground. There is also a mixed broadleaved understorey present.

Installation of a formal tarmac surface here would require a deep sub-base which would risk destabilising these large trees. We therefore recommend that no more than 100mm of the compacted soil be scraped using a grading bucket to allow for a self-binding aggregate to be installed.

Some crown lifting of the Oaks and other roadside vegetation to a height of 4.5-5.0m may be required to maximise available space for high-sided vehicles to use.

Arboricultural Impact of Proposals: Low

Passing Place 4

This is an existing, tarmac-surfaced passing place with mixed vegetation set on the bank immediately adjacent.

The extent of the hard surfacing is fit for purpose though some crown lifting of the roadside vegetation to a height of 4.5-5.0m will be required to maximise available space for high-sided vehicles to use.

Arboricultural Impact of Proposals: Low

Passing Place 5

This is an existing, tarmac-surfaced passing place with mixed vegetation set on the bank immediately adjacent.

The extent of the hard surfacing is fit for purpose though some crown lifting of the roadside vegetation to a height of 4.5-5.0m will be required to maximise available space for high-sided vehicles to use.

To the north-east of passing place 5, at the junction of New Road and Arne Road, there is a young Horse Chestnut. This will require some crown lifting to provide a vertical clearance of 3.5-4.0m in order to maximise visibility to the east for high-sided vehicles exiting New Road. These works will have a negligible detrimental impact on this small tree.

Arboricultural Impact of Proposals: Low

Passing Place 6

This passing place comprises a concrete surface over a culvert leading to a gated field access. The culverted section extends further to the west with a far narrower strip of tarmac edged with concrete kerbing.

There is a young small Oak to the east of the gated entrance with a good quality early middle-aged Oak to the west.

Rooting beneath the concrete surface is likely to be limited, but there is expected to be considerable rooting within the grassed section of verge to the west, extending out as far as the kerb stones.

Proposals haven't yet been fully determined but it may be necessary to remove the kerb stones at the western end to allow for the safe exit of vehicles. There are no significant issues associated with this, but any further kerbing or surfacing encroachment into the existing grassed verge should be avoided.

Arboricultural Impact of Proposals: Low

Passing Place 7

This passing place comprises an existing heavy-duty concrete surface. There is a section of mixed hedge to the east with an early middle-aged Beech to the west. No rooting from either of these green features is expected to extend far beneath the concrete slab.

As the concrete slab is already fit for purpose, no rooting disturbance is anticipated, however, some crown lifting of the Beech and other roadside vegetation to a height of 3.0-3.5m may be required to maximise the visibility along Arne Road.

Arboricultural Impact of Proposals: Low

Passing Place 8 (Southern Side of Road)

The passing place on the southern side of Arne Road is already heavily compacted with a rough concrete slab cast above; the young Oaks either end unlikely to have significant rooting extending beneath this surface.

No works are expected to ensure that this is fit-for-purpose as a passing place.

Arboricultural Impact of Proposals: Low

Passing Place 8 (Northern Side of Road)

The passing place on the northern side of Arne Road is located adjacent to an historic field entrance. It is already heavily compacted but unsurfaced.

There are young Oaks at either end of this passing place, though rooting density beneath the passing place is expected to be low due to the level of compaction.

Installation of a formal tarmac surface here would require a deep sub-base which would risk destabilising these large trees. We therefore recommend that no more than 100mm of the compacted soil be scraped using a grading bucket to allow for a self-binding aggregate to be installed.

Some crown lifting of the Oaks and other roadside vegetation to a height of 4.5-5.0m may be required to maximise available space for high-sided vehicles to use.

Arboricultural Impact of Proposals: Low

Link from Sunnyside Farm Car Park to Arne Road

The link from the eastern end of the car park to Arne Road requires a section of vegetation being removed to accommodate a new footpath. The footpath will link to the concrete slab at the western side of passing place 7.

It would be desirable to be able to retain the early middle-aged Beech to the west of passing place 7 and it is therefore recommended that the closest edge of the path be set no closer than 3.5m from the main stem of this tree.

There are no arboricultural issues associated with the clearance of the vegetation to the south of the Beech, notwithstanding any ecological issues that may be raised by the project's ecologists.

Arboricultural Impact of Proposals (with Beech retained): Low

Arboricultural Impact of Proposals (with Beech removed): Moderate

Field Link from Passing Place 7

The footpath link between passing place 7 and the field to the south of Arne Road may require the removal of a scruffy Goat Willow if a new access for horses into the southern half of the field is to be established. This tree is a poor quality British Standard 5837:2012 category C specimen and there are no arboricultural issues associated with its removal.

The footpath running across the northern boundary of the field will remain entirely within the strip of ground which has already experienced extensive historical compaction from horses and stock, and therefore rooting density in this area (see area A15 within our report of September 2020) is likely to be reduced, with the trees rooting preferentially along the east-west line of the field boundary, between the stock-proof fence and the road.

Subject to the new stone surface being tipped and rolled out ahead of any mechanical plant (such that any mechanical plant is always running out and back across the field over freshly installed aggregate), any potential for significant arboricultural harm is limited.

Arboricultural Impact of Proposals: Low

Road Crossing From Sunnyside Farm to the North of Arne Road

Where the path crosses from the south to the north of Arne Road, there is a complex mix of vegetation and watercourses, along with the existing highways infrastructure. The two key areas which are affected are area A18 and hedge H1 (see our report of September 2020).

Area A18 comprises a low-density woodland strip running alongside the stream to the south of Arne Road. Larger species present include Oak, Goat Willow and Alder. The western end of hedge H1 comprises some larger trees which include Oak, Goat Willow and Silver Birch.

The Goat Willow in both A18 and H1 are all likely to be naturally regenerated and their multi-stemmed form is either a consequence of browsing by deer and small mammals, or management by coppicing in the past. As a result, the majority of these trees now feature inherently weak basal unions and may also feature cavities which are used by bats and invertebrates. There are no Goat Willows within either area which are considered to be of sufficiently high quality as to warrant their retention at their present size, and it is therefore recommended that any Goat Willow in the proximity of any new path be recoppiced and managed by coppicing in perpetuity.

There are three significant Oaks along the road frontage of A18. The largest is the multi-stemmed specimen located at the eastern end, while the central and western stems are younger. There are also some larger Oaks within H1 located on the section of field boundary which runs approximately north-west to south-east.

The proposed path is proposed to cross the stream by means of either a culverted slab or a footbridge. As there are some larger trees along this streambank, including some Alders, it would be desirable to investigate the use of screw piles for a footbridge; products from Target Fixings (see <https://targetfixings.co.uk/products/helipile/>) or Stop Digging (see <https://stopdigging.co.uk/>) may be suitable structurally and will minimise any risk of harm to roots.

As the footpath swings up to the north towards Arne Road, only Goat Willow stems are affected, and as already noted, these can be managed by a combination of either entire removal or recoppicing.

The root protection areas of the three roadside Oaks overlap substantially. After some consideration, it is considered appropriate for the central stem (marked with an orange dot) to be removed, with the footpath located approximately in this location as far from the retained main stems as practicable; this is considered to be a better solution than to cause significant detrimental harm to the root protection areas of two trees, especially given the levels that will need to be resolved, along with the installation of the foundation for a tactile surface on the edge of the carriageway.

The section of path extending from the northern side of Arne Road to the field cuts across another section of mixed scrubby vegetation which, subject to ecological scrutiny, is not considered worthy of retention. The point at which the path enters the field is set comfortably between two larger Oaks, neither of which will be detrimentally impacted by the proposals.

Consideration should be given to retaining the felled and coppiced timber in suitably sized stacks, noting that the non-durable timber of Goat Willow and Silver Birch readily decays to form desirable habitat for both flora and fauna.

Overall, We are satisfied that the proposed route for the new path linking the two fields provides an effective compromise. While some trees will be lost, these are poorer quality, shorter-lived species, and the loss of the one Oak is balanced by the substantial reduction in the risk of harm to its two neighbouring specimens. We do, however, recommend that new understorey plantings be established either side of the road to mitigate the loss of trees and reduce the arboricultural impact of this element of the scheme.

Arboricultural Impact of Proposals: Moderate

Tom Hurley, BSc(For)Hons, M Arbor A
Senior Consultant

