



19th July 2022

Julie-Ann Clements
In Ex Design
The Studio @ Greys
Orchard Close
Lypstone
EX8 5LA

Our Ref: TH/B293/0422

Dear Julie-Ann,

Re: Meadow Gate, Church Road, Lypstone – Effect of Proposed Development on Trees

Introduction

Further to receipt of the finalised proposals for the development at Meadow Gate in Lypstone, I have undertaken a full arboricultural appraisal of the site and considered the effect of the proposals based on the data collected, following the principles of British Standard 5837:2012 *Trees in relation to design, demolition and construction – Recommendations*. The purpose of this report is to provide a supporting statement for a planning application to East Devon District Council. This report has been undertaken in accordance with the instructions of the client and is intended for their sole and specific use.

This covering letter provides a full Arboricultural Impact Assessment in addition to a detailed Tree Protection Statement; the specific tree protection details are contained within the attached Tree Protection Plan, Arboricultural Method Statement and Arboricultural Guidance Sheets.

Document Limitations

This 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 project manager to draw any changes in the project scope to our attention at the earliest opportunity.

Trees are dynamic structures and advice should be taken on validity two years after the survey was undertaken. The report may not be considered valid after more than three years. The report has been prepared using all reasonable skill and care. Opinions are provided in good faith.

The scheduling and implementation of the tree protection measures detailed in the report also remains the responsibility of the project manager and/or site manager. Whilst the project team may appoint a suitably qualified third party arboricultural supervisor, Advanced Arboriculture Ltd are able to take on this role subject to the project manager's formal instruction.

advanced:

progressive *adj.*
forward-thinking
forward-looking
unconventional
cutting edge
innovative

higher *adj.*
superior
highly developed
sophisticated
complex

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

Tree Stock Appraisal

The site is located within the central section of Lympstone and is bordered by fencing and a wall to the north and east. A low grade hedge and fence to the west separate the site from a footpath and a new housing estate. The southern boundary is defined by a bank with hedging and the Wootton Brook, while there is a fenced and vegetated boundary to the east.

The site itself features a total of five individual trees while the neighbouring property to the east features a further two individual trees, along with one group of Sycamore and a line of mixed species.

Four of the trees within the site are located towards the northern end where they form an apparent coalesced canopy, though there is a small gap between the crown of Apple T1 and Cherry T2. The two Apples, T1 and T4 are the better quality trees, with the two Cherries, T2 and T3 being relatively poor quality specimens. The remaining individual tree, Sycamore T5, is a very poor quality young specimen with negligible future potential. Only trees T1 through T4 are visible from any public locations, and they do not form significant landscape features.

The remaining trees which present any constraints to the site are all located adjacent to the eastern boundary within the neighbouring property.

Area A1 comprises a line of relatively young mixed species which form a de facto hedge. The only trees of any note within this boundary are the Scots Pines which are set a little further into their host property and have the best future potential; these trees are likely to form a landscape feature as they continue to grow.

Group G1 is located to the south of area A1 and comprises two naturally regenerated lapsed Sycamore coppice stools which have grown to form a larger coalesced canopy. Whilst not individually outstanding, they do contribute to the wider green infrastructure of the local landscape. I note that the land immediately to the west of these trees has been used for sheds and raised beds for some time; this is likely to have compromised the rooting development below to some extent and it is therefore likely that the trees' rooting systems are preferentially rooting more within their host garden. It is, however, acknowledged that there will be some rooting still present beneath these structures.

The remaining two trees on the eastern boundary are Sycamores T5 and T6. The northernmost tree, T5, is a lapsed coppice stool while T6 is a lapsed pollard. Both trees are likely to be naturally regenerated. Whilst Sycamore T6 is the larger tree, it also features a conspicuously thinner foliar density than T5 and will need to be monitored, irrespective of any development.

The British Standard 5837:2012 category split of the surveyed trees is as follows:

Trees – A: 0 (0%), B: 2 (29%), C: 5 (71%), U: 0 (0%)

Areas/Groups – A: 0 (0%), B: 0 (0%), C: 2 (100%), U: 0 (0%)

Arboricultural Impact Assessment

The proposals show the construction of two new detached dwellings, each of which features private parking and extensive gardens which lead down towards the Wootton Brook. A large pond is shown at the lower end of the site which contributes to the biodiversity net gain sought for the site by means of extensive new tree, shrub and grassland planting.

The aim of the properties is to coexist with the trees along the eastern boundary and this is achieved by means of maximising glazing on the aspects which face away from the eastern

boundary, as well as staggering the two units to minimise any overlooking. Whilst there is a window on the eastern elevation of plot 2 (closest to the neighbouring trees), this serves the stairwell and reinforces the sylvan element of the dwelling's setting.

The dwelling within plot 2 does marginally encroach into the nominal root protection area of the trees which comprise group G1, however, this is minor, as can be seen on the attached Tree Constraints Plan. Given that this area already contains the sheds and raised beds, along with Sycamore being a notably robust species, I am satisfied that any significant risk of harm is minimal.

Some minor western lateral reduction of Sycamore T6 is recommended to establish and maintain a reasonable clearance from the new dwelling, including for construction. These works will have a negligible detrimental impact on either the physiology or visual amenity value of this tree.

The proposed development will not have any impact on Sycamore T7, including the construction of the pond. Similarly, the new community parking area at the northern end of the site does not impact any trees.

All services to the new dwellings can be installed without any need to further impact the trees' root protection areas, and the photo-voltaic panels will still receive full direct sunlight from midday through the rest of the afternoon.

Overall, whilst the proposals show the loss of a total of five small to medium-sized trees, this is fully mitigated the extensive new tree and shrub planting shown across the site, along with the new habitat creation offered by the pond. The site layout is therefore considered to be sustainable from an arboricultural point of view subject to the appropriate care being taken during construction, and robust protective fencing and ground protection being installed and maintained for the duration of the project.

Tree Protection Statement

The attached 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 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 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 local planning authority; in the case of major variations to these documents, written approval may be required.

Arboricultural Supervision

An ad-hoc arboricultural inspection programme is shown on the Arboricultural Method Statement Plans. Inspections must be requested by the project manager and/or site manager where the project scope changes, or where unforeseen construction activities may present a threat to retained trees on or adjacent to the site. The attached Arboricultural Supervision Record Sheet must be filled in on an ongoing basis and retained on site for inspection by the local planning authority at any reasonable time.

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. This comprises 20 braced Heras panels (see Arboricultural Guidance Sheet AGS101 attached); the specification for these matches the specification detailed within British Standard 5837:2012

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.

Site Organisation

Prior to the commencement of any demolition or construction activities on site, the locations for site offices, welfare facilities, parking, a materials storage area and a concrete/plaster mixing area must be designated and marked on the Tree Protection Plan.

It may be possible to locate site huts, cabins and welfare facilities where protective fencing is shown on the Tree Protection Plan, however, this will only be possible with the written consent of the arboricultural supervisor and subject to the following conditions:

The site huts will remain in situ for the duration of the project (if not, protective fencing will still be required prior to the installation of the huts, or after their removal);

There is sufficient crown height available to accommodate the huts without the need for unauthorised crown lifting or pruning;

Any services or sewerage for the huts must remain above ground and not require excavation;

No discharge from the huts, including grey water, shall be permitted within the demarcated construction exclusion zone, with the exception of rainwater from the roofs or guttering;

Where foundation pads are required to support huts, these must comprise timber sleepers or Jack Pads (see www.jackpad.co.uk) placed on the existing ground level (digging foundations in must be avoided).

Parking, materials storage and materials mixing must remain outside of the designated construction exclusion zones, and the materials mixing area should be bunded or contained such that any spillage or rinsings cannot run towards the root protection areas of any retained trees.

There is not considered to be sufficient space to accommodate bonfires within the site due to the risk of heat damage to either the rooting system or crown of any retained tree.

Ground Protection

Ground protection comprising 24 panels is shown on the Tree Protection Plan where construction access over root protection areas is unavoidable. A ground protection specification is shown in Arboricultural Guidance Sheet AGS201.

Ground protection must be installed at the same time as the protective fencing and must remain in situ for the duration of the project. The ground protection may only be lifted earlier in the construction programme with the written consent of the arboricultural supervisor.

Demolition of Existing Structures and Surfaces

Care will be required when undertaking the clearance of the existing sheds and bed on site. Demolition activities must be informed by the diagrams and information detailed within Arboricultural Guidance Sheet AGS408. A copy of this document must be included within all tender documents to ensure that the appointed contractor factors tree constraints and protection into their workflow and costings.

Services

The location of proposed new services has not been made available to Advanced Arboriculture Ltd at the time of this report’s preparation. All services must be routed outside of the root protection areas of all retained trees. Where this is not possible, alternative installation methods must be investigated, including manual digging, directional boring, etc.

I recommend that the engineering drawings showing the proposed service routes are forwarded to Advanced Arboriculture Ltd for review prior to the commencement of any ground works or services installation. I am able to forward a PDF or AutoCAD DWG file directly to the project engineers on request showing the accurate locations of the root protection areas.

Hard and Soft Landscaping

Any hard landscaping within the root protection area of any retained trees which includes changes in ground levels (cut or fill), new walls or new paths will require further arboricultural review to ensure that any detrimental impact is limited. If unsustainable damage is considered to be unavoidable then the landscaping scheme will require revision.

Soft landscaping near retained trees, including the planting of new trees and shrubs, must be undertaken with considerable care due to the potential for rooting damage. Mechanical rotovation or cultivation within the construction exclusion zones shown on the Tree Protection Plan must be avoided as this can cause significant damage to the rooting system of adjacent trees.

All new trees must be sourced from a reputable nursery and planted in accordance with the recommendations detailed within British Standard 8545:2014. We are able to provide an independent verification of the quality of new trees prior to planting on request.

Tree Works Schedule

The following tree works are required prior to the commencement of any development on site:

Tree No	Species	Preliminary Management Recommendations
T1	Apple	Dismantle to near ground level to facilitate development
T2	Cherry	Dismantle to near ground level to facilitate development
T3	Cherry	Dismantle to near ground level to facilitate development
T4	Apple	Dismantle to near ground level to facilitate development
T5	Sycamore	Dismantle to near ground level to facilitate development
T6	Sycamore	Reduce western lateral spread by approximately 1.5m to establish and maintain clearance from new dwelling

Tree No	Species	Preliminary Management Recommendations
T7	Sycamore	No works required at the present time
A1	Sycamore, Scots Pine, Field Maple, Willow	No works required at the present time
G1	Sycamore	No works required at the present time

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.

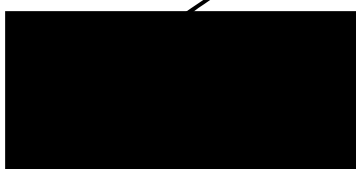
Recommendations and Conclusions

The proposals are considered to be sustainable from an arboricultural point of view subject to the provision of the tree protection measures detailed within the Tree Protection Plans and all works being undertaken in accordance with the Arboricultural Method Statement.

A copy of this report, plus the attached drawings, must be submitted to the local planning authority as a supporting document to the planning application. If the council's officers have any queries, they are welcome to contact us directly.

If you have any further queries, please do not hesitate to contact me.

Yours sincerely,



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

Attachments:

- Arboricultural Data Tables
- Tree Location Plan
- Tree Constraints Plan
- Tree Protection Plan
- Arboricultural Method Statement Plan
- Arboricultural Induction Sheet
- Arboricultural Supervision Inspection Record
- AGS101 Braced Heras Fencing
- AGS201 Ground Protection
- AGS408 Demolition of Structures and Surfaces Near Trees
- AGS801 Protective Fencing Poster
- AGS802 Site Office Tree Poster

Data Table Key

Site Ref: TH/B293/0422

Site Location: Meadow Gate, Church Road, Lymestone

The following section shows the results of the tree inspection. Abbreviations used in the survey are as follows:

Tree No	Corresponding to plan
Species	Common name
Ht	Height in metres
Crown Spread	Crown spread in metres as measured at the four cardinal points of the compass
Stem Dia	Diameter at breast height in mm (1.5 metres above ground level), or measured in accordance with the prescribed British Standard protocol in the case of multi-stemmed specimens (see Annex C in British Standard 5837:2012 for full details)
RPA	Root Protection Area radius in metres (derived from the British Standard 5837:2012 formulae)
Ht to L/B	Crown height in metres as measured to the height of the lowest branch
Dir	Direction from which the lowest branch arises
Cr Ht	Height of crown in metres above ground level
Age Class	Y Young (grown to less than one third of life expectancy) MA Middle Aged (grown to between one to two-thirds of life expectancy) M Mature (grown to over two thirds of normal life expectancy) OM Over Mature V Veteran
SULE	Safe useful life expectancy range in years
Cond	Condition, both physiological and structural: G Good (trees with no significant defects) F Fair (trees with some defects amenable to surgery) P Poor (trees with significant defects)
BS Cat	British Standard 5837:2012 Category (see Table 1 in British Standard 5837:2012 for full details)
m/s	Denotes multistem tree along with the individual stem diameters
#	Denotes estimated value where access was not possible

Data: Individual Trees Site Reference: TH/B293/0422 Location: Meadow Gate, Church Road, Lymstone Inspection Date: 28th April 2022 Lead Surveyor: Tom Hurley

Tree No.	Species	Tree Height	Crown Spread	Stem Dia (mm)	RPA Radius	RPA Area	LB Ht / Dir	Cr Ht	Age Cl	SULE	Cond Phys/Str	Observations	Recommendations	BS Cat
T1	Apple	6.0	N: 2.0 E: 2.5 S: 3.0 W: 3.0	310 (m/s: 220, 160, 130, 80)	3.60	41	0.5/W	2.0	MA	20-40	F/F	• Contorted orchard specimen	• Dismantle to near ground level to facilitate development	B1
T2	Cherry	5.5	N: 2.5 E: 2.5 S: 2.0 W: 2.0	160 (m/s: 120, 100)	1.80	10	1.0/N	2.0	Y	20-40	F/F	• Tree forks at ~1.0m • Co-dominant stem has been lost at ~1.0m	• Dismantle to near ground level to facilitate development	C1
T3	Cherry	6.0	N: 1.5 E: 3.5 S: 2.5 W: 2.0	190 (m/s: 140, 110, 60)	2.40	18	0.5/W	1.5	Y	20-40	F/F	• Tree bifurcates at ~0.5m	• Dismantle to near ground level to facilitate development	C1
T4	Apple	6.5	N: 2.5 E: 3.0 S: 3.0 W: 3.0	260	3.00	28	1.5/E	2.0	MA	>40	G/G	• Orchard specimen	• Dismantle to near ground level to facilitate development	B1
T5	Sycamore	3.5	N: 1.5 E: 1.0 S: 1.5 W: 1.5	110	1.20	5	1.0/S	1.0	Y	10-20	F/F	• Poor quality ornamental specimen with convoluted point of main crown break at ~1.0m • Large wound on western aspect of lower main stem	• Dismantle to near ground level to facilitate development	C1
T6	Sycamore	14.0	N: 6.5 E: 6.0 S: 5.5 W: 6.5	550 #	6.60	137	0.0/S	0.0	MA	20-40	G/F	• Overgrown coppice stool located in neighbouring property adjacent boundary	• Reduce western lateral spread by approximately 1.5m to establish and maintain clearance from new dwelling	C1
T7	Sycamore	20.0	N: 10.0 E: 8.0 S: 6.5 W: 9.0	800 #	9.60	290	2.0/N	2.0	M	10-20	P/F	• Lapsed low pollard in neighbouring property • Low crown vitality indicative of decline	• No works required at the present time	C1


Data: Areas/Groups Site Reference: TH/B293/0422 Location: Meadow Gate, Church Road, Lymestone Inspection Date: 28th April 2022 Lead Surveyor: Tom Hurley

Ref No.	Species	Tree Height	Crown Spread	Stem Dia (mm)	RPA Radius	RPA Area	LB Ht	Cr Ht	Age Cl	SULE	Cond Phys/Str	Observations	Recommendations	BS Cat
A1	<ul style="list-style-type: none"> • Sycamore • Scots Pine • Field Maple • Willow 	<7.5	Max: 2.5m	<200 #	<2.40	<18	>=0.0	>=0.0	Y	20-40	P-G/P-G	<ul style="list-style-type: none"> • Strip of mixed vegetation on boundary • No individually or collectively outstanding stems present but Scots Pine has good future potential 	<ul style="list-style-type: none"> • No works required at the present time 	C1
G1	<ul style="list-style-type: none"> • Sycamore 	<12.0	Max: 4.0m	<480 #	<5.70	<102	>=0.0	>=0.0	MA	20-40	G/F	<ul style="list-style-type: none"> • Pair of lapsed coppice stools on neighbouring property adjacent boundary 	<ul style="list-style-type: none"> • No works required at the present time 	C1



Key

- T_n Category A tree
- T_n Category B tree
- T_n Category C tree
- T_n Category U tree
- Individual tree crown spread
- Collective crown spreads
- Root protection area
- BS5837:2012 shade path
- X Trees to remove
- Proposed development footprint
- Construction exclusion zone
- Braced Heras fencing (see AGS101)
- Ground protection panel (see AGS201)



Notes

Drawing Title:
Tree Location Plan

Location:
**Meadow Gate
 Lympstone**

Date:	Project Reference:	Revision:
19.07.2022	TH/B293/0422	1.0
Scale:	Paper Size:	Drawn By:
1:350	A3	TH

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 t: 01395 239002
 e: info@advancedarb.com
 w: www.advancedarb.com



Key

- T_n Category A tree
- T_n Category B tree
- T_n Category C tree
- T_n Category U tree
- Individual tree crown spread
- Collective crown spreads
- Root protection area
- BS5837:2012 shade path
- ✕ Trees to remove
- Proposed development footprint
- ▨ Construction exclusion zone
- Braced Heras fencing (see AGS101)
- Ground protection panel (see AGS201)

Notes

Drawing Title:
Tree Constraints Plan

Location:
**Meadow Gate
 Lympstone**

Date:	Project Reference:	Revision:
19.07.2022	TH/B293/0422	1.0
Scale:	Paper Size:	Drawn By:
1:350	A3	TH

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Key

- T_n Category A tree
- T_n Category B tree
- T_n Category C tree
- T_n Category U tree
- Individual tree crown spread
- Collective crown spreads
- Root protection area
- BS5837:2012 shade path
- ⊗ Trees to remove
- Proposed development footprint
- Construction exclusion zone
- Braced Heras fencing (see AGS101)
- Ground protection panel (see AGS201)

N

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 Tree Protection Plan 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:

Tree Protection Plan

Location:

Meadow Gate Lympstone

Date:	Project Reference:	Revision:
19.07.2022	TH/B293/0422	1.0
Scale:	Paper Size:	Drawn By:
1:350	A3	TH

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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. Sheds and raised beds adjacent to the eastern boundary to be dismantled manually.
5. Protective fencing and ground protection to be installed as per the specifications detailed within the Arboricultural Guidance Sheets.
6. Arboricultural supervisor to attend site to inspect fencing prior to the commencement of any construction activities (may be done via Skype/Facetime where practicable).
7. Construction to commence in accordance with approved site layout.
8. 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.
9. Any accidental damage to trees to be reported immediately to Advanced Arboriculture with any necessary remedial works to be agreed with the local planning authority.
10. Fencing and ground protection to be dismantled only on completion of all construction works and to allow for soft landscaping.
11. 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

- T_n Category A tree
- T_n Category B tree
- T_n Category C tree
- T_n Category U tree
- Individual tree crown spread
- Collective crown spreads
- Root protection area
- BS5837:2012 shade path
- ⊗ Trees to remove
- Proposed development footprint
- Construction exclusion zone
- Braced Heras fencing (see AGS101)
- Ground protection panel (see AGS201)



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:
**Meadow Gate
 Lympstone**

Date:	Project Reference:	Revision:
19.07.2022	TH/B293/0422	1.0
Scale:	Paper Size:	Drawn By:
1:350	A3	TH

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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: _____ -----
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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:

**Meadow Gate
Lympstone**

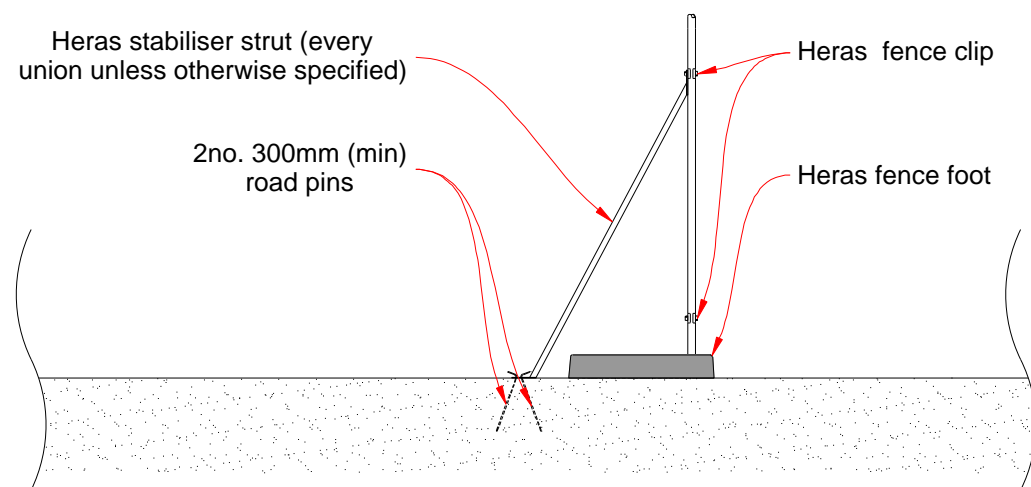
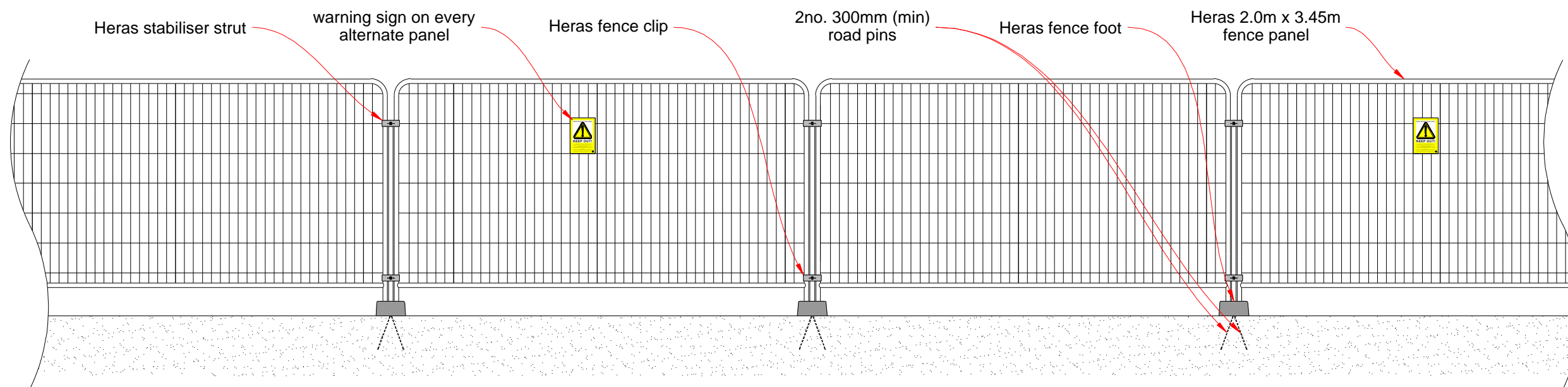
Date:	Project Reference:	Revision:
19.07.2022	TH/B293/0422	1.0
Scale:	Paper Size:	Drawn By:
1:350	A3	TH

Advanced Arboriculture

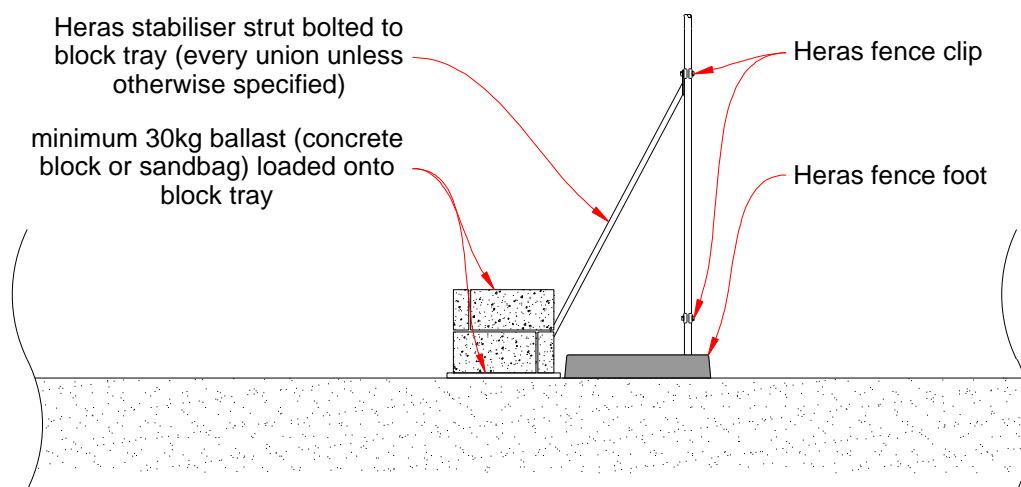
Venmore Barn
 Woodbury
 Devon EX5 1LD
 t: 01395 239002
 e: info@advancedarb.com
 w: www.advancedarb.com

Notes

- These specifications are for guidance only.
- 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)

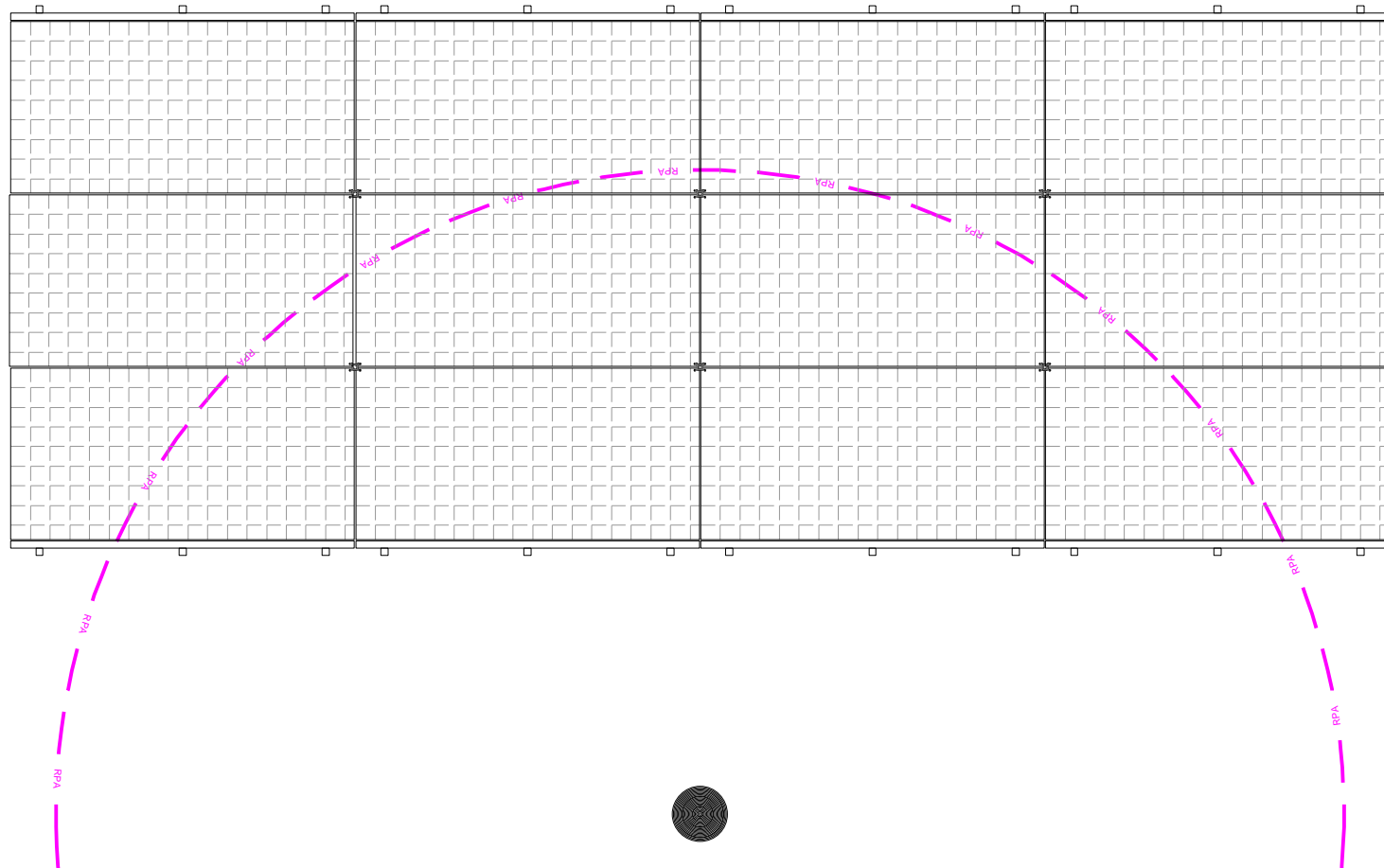
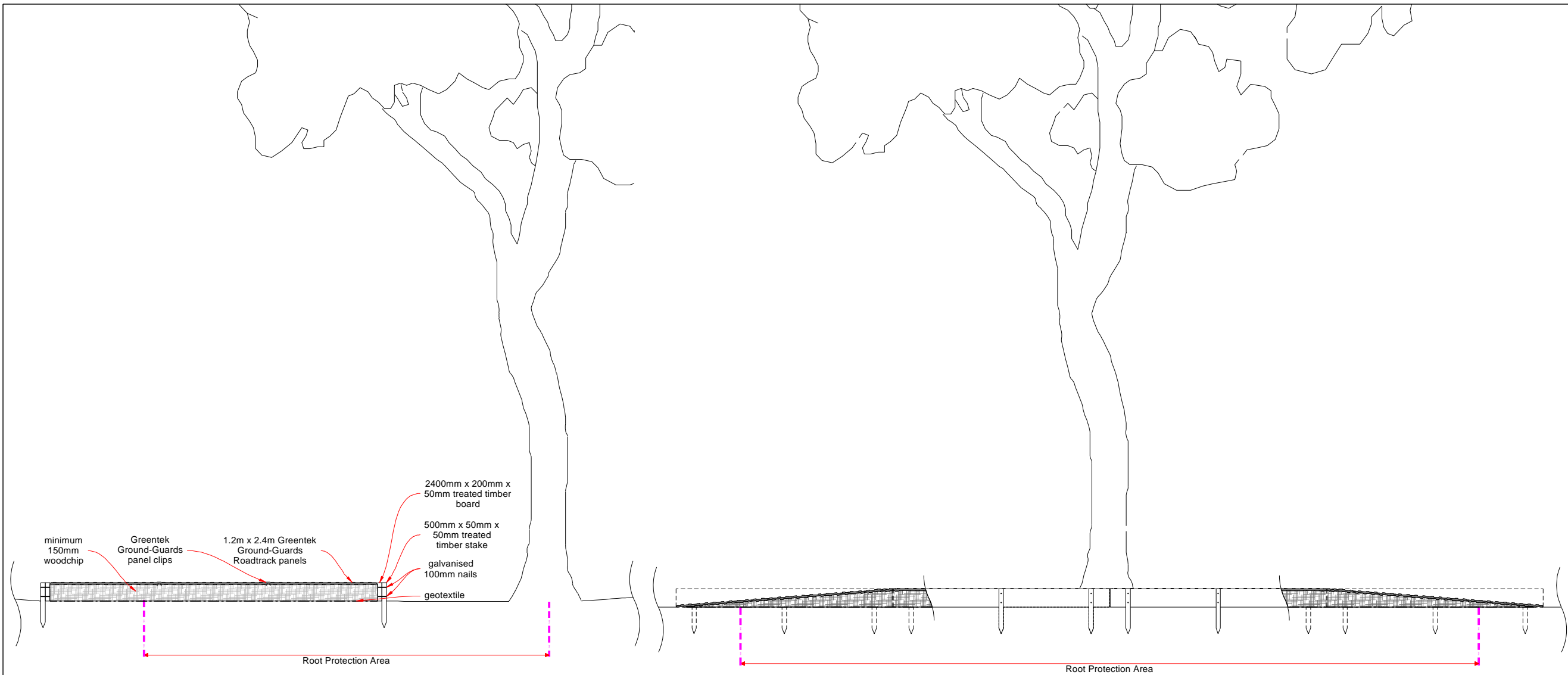
Drawing Title:
Braced Heras Fencing

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

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Notes

- These specifications are for guidance only.
- 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.

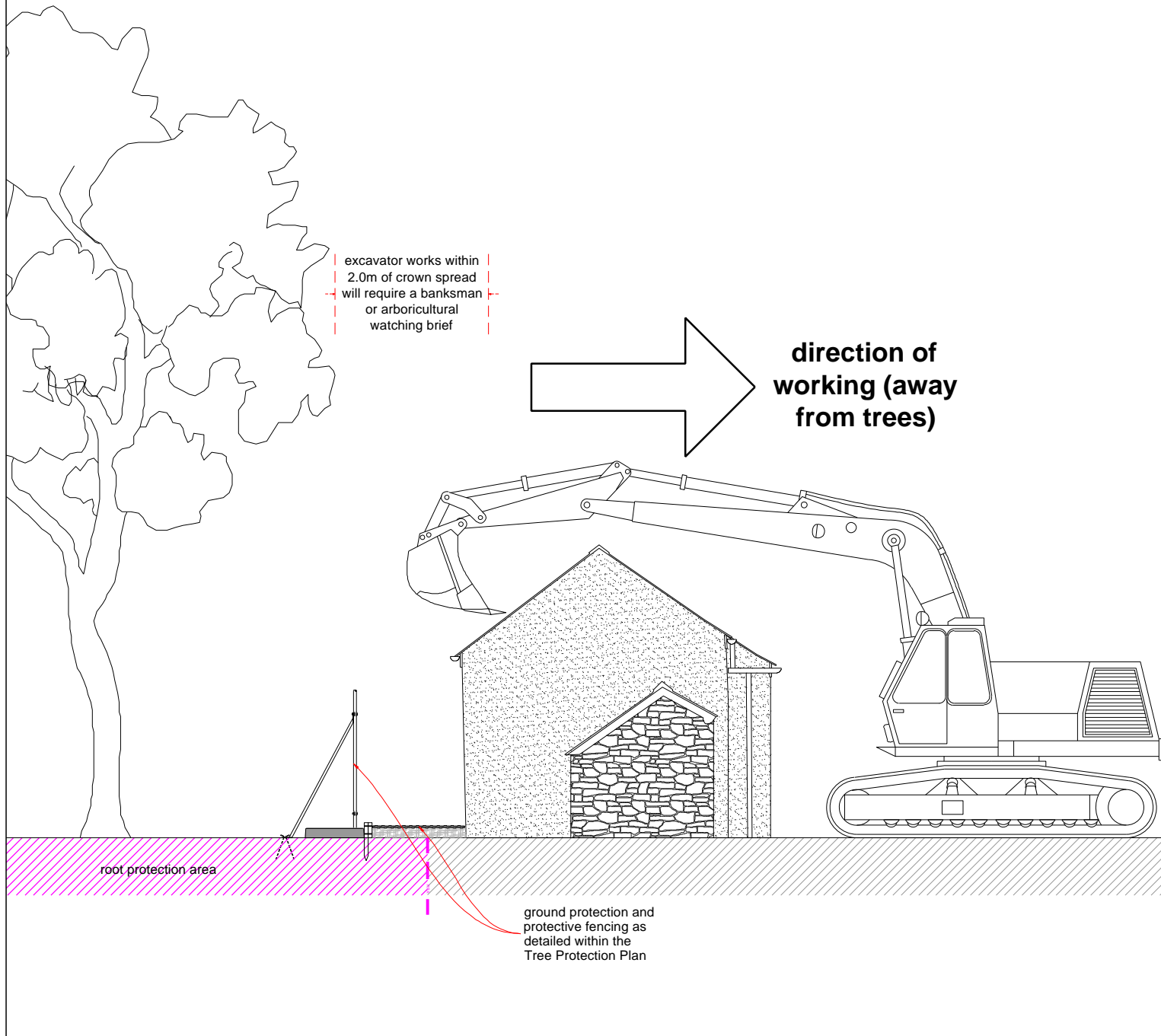


Drawing Title:
Ground Protection

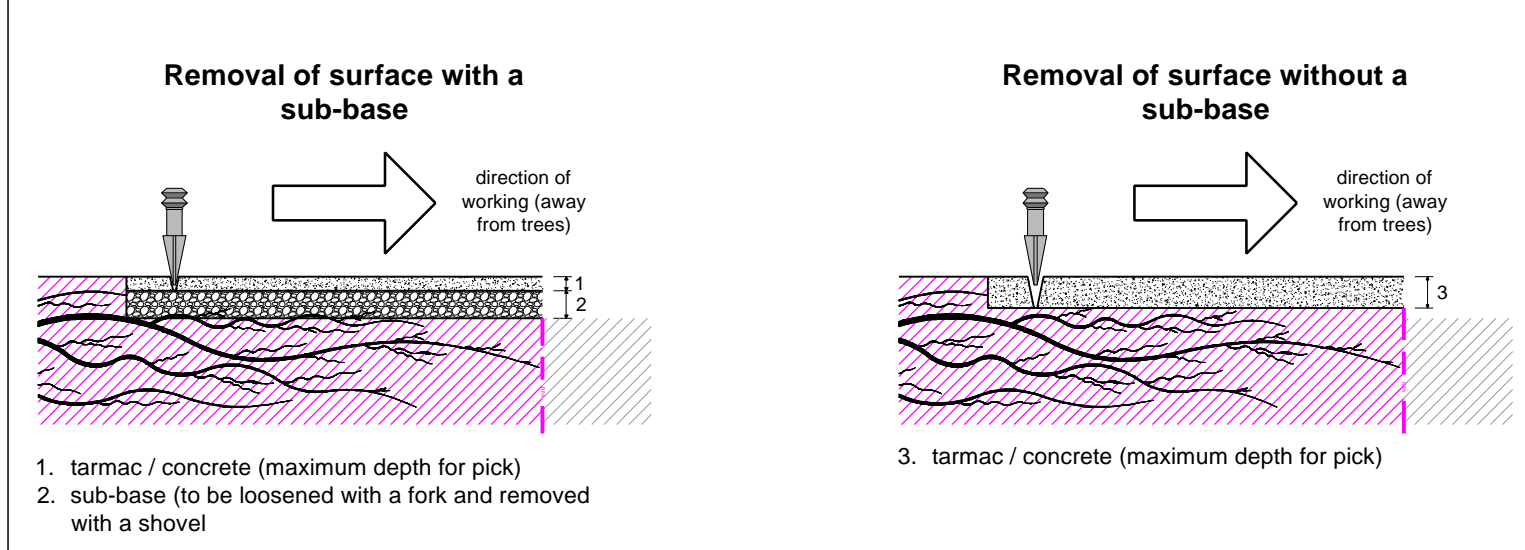
Date: 01.02.2021	Drawing Number: AGS201	Revision: 1.0
Scale: 1:50	Paper Size: A3	Drawn By: TH

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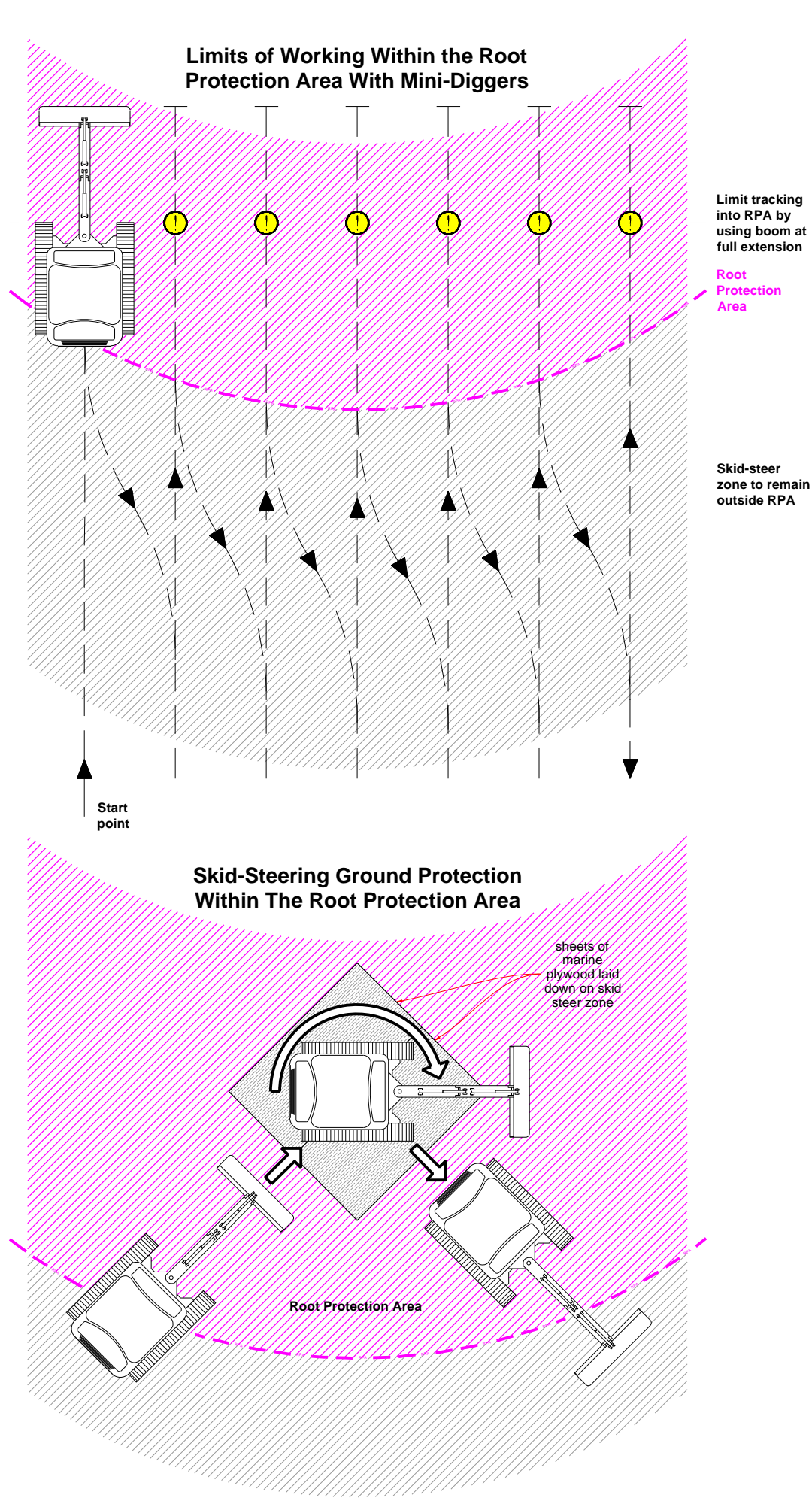
Demolition Zone Working Directions



Removal of Hard Surfaces Near Trees



Mechanical Plant Operations Near Trees



Notes

- These specifications are for guidance only and must be reviewed by the Project Manager, Demolition Contractor and Arboricultural Supervisor prior to commencement of any works on site.
- This information must accompany all tender documents to enable contractors to include for specific working requirements in their costings.
- Local planning authority consent for these specifications cannot be assumed and may need to be sought prior to commencement of any demolition works.

- Site Organisation**
- All works to be undertaken from outside of the root protection areas.
 - Tree protection measures to be installed prior to mobilisation to site by demolition contractors.
 - Any excavator or crane works within 2.0m of the crown spread of retained trees will require an experienced banksman or arboricultural watching brief.
 - Structures to be demolished in opposite direction from retained trees.
 - All arisings to be stored outside of the root protection areas in a location that allows rubble, etc. to be collected without unnecessary HGV movements across any root protection areas.
 - Any crushed rubble piles to be located so that fine particles cannot be carried towards root protection areas by rainfall.
 - All hard surfacing within root protection areas to be removed as detailed, working away from retained trees.

- Arboricultural Method Statement**
- All permitted tree works, including access facilitation pruning or felling, to be undertaken as per permitted tree works specification and in accordance with BS3998:2010 and any relevant ecological legislation.
 - Ground protection measures (as detailed within the Tree Protection Plan) which may include protective fencing, ground protection, signage, or other elements to be installed prior to demolition contractor mobilising to site.
 - Layout of site for demolition to be set out as agreed with Arboricultural Supervisor
 - Schedule of demolition to be agreed with Arboricultural Supervisor to allow for pre-booking of arboricultural watching brief if required.
 - Demolition works to commence as agreed.
 - Arboricultural Supervisor 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.
 - Any accidental damage to trees to be reported immediately to Advanced Arboriculture with any necessary remedial works to be agreed with the local planning authority.

Drawing Title:
Demolition of Structures and Surfaces Near Trees

Date: 13.10.2021 Drawing Number: AGS408 Revision: 1.0

Scale: n/a Paper Size: A3 Drawn By: TH

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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*.

Electronic Copies:

- This document may be downloaded directly from the Advanced Arboriculture website using the following links:

A4: <http://www.advancedarb.com/download/A4.pdf>
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.

All documents are © Advanced Arboriculture.

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
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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.

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*.

Electronic Copies:

- This document may be downloaded directly from the Advanced Arboriculture website using the following links:

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A3: <http://www.advancedarb.com/download/siteposterA3.pdf>

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

All documents are © Advanced Arboriculture.

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

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