

29th November 2023

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Our Ref: TH/A684/1123

advanced:

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

higher adj.
superior
highly developed
sophisticated
complex

Dear Julie-Ann,

Re: 87 Sidford High Street, Sidford – Effect of Proposed Development on Trees

### Introduction

Further to receipt of the finalised proposals for the development at 87 Sidford High Street, 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 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 hosts a significant number of trees, though many of these are largely inaccessible due to the dense bramble growth that proliferates across the lower, south-eastern half of the site.

The most important trees from a landscape perspective are those on the Sidford High Street frontage. The key specimens are Copper Beech T2, Cedar T3 and Oak T4. Amongst these are a number of smaller specimens, including two Monterey Cypresses (T5 and T6), a Sycamore, T7, and a Field Maple, T8, all of which have limited future potential by virtue of the dominant larger trees. Whilst Field Maple T8 can be reasonably retained, I recommend the removal of the two Monterey Cypresses and the Sycamore irrespective of any development in the interests of the larger trees' balanced development.

The upper lawn to the rear of the existing dwelling features three very large Monterey Pines, T9, T10 and T11. Whilst these are a dominant landscape feature, they actually have very limited safe useful life expectancies, with a fourth specimen having been felled in 2020 due to its poor condition. Whilst I acknowledge their landscape contribution, it is important to recognise that their removal will be almost inevitable in the next ten years, regardless of development.

The only other tree of note within the lower section of the site is Lombardy Poplar T13. A close inspection of this tree wasn't possible but it appears to be in good condition and can be seen from the surrounding neighbourhood.

The remaining trees within the central section of the garden are all relatively poor-quality specimens, including the dilapidated remnants of an orchard which comprise area A1, and a single Willow, T14. None of the trees within area A1 are worthy of restoration, though Willow T14 could form a feature within a garden in the short to medium term.

The boundary trees are largely restricted to the north-east and south-eastern boundaries. The two individual trees on the north-eastern boundary, Ash T15 and Hawthorn T16, are both poor quality specimens which may be in third party ownership. The Ash, in particular, is a cause for concern due to the presence of Ash Dieback Disease locally.

Area A2 comprises a strip of hedgerow stems on the lower north-eastern and the entire south-eastern boundaries. None of these are individually outstanding, but they could be effectively recoppiced and managed as a hedgerow in perpetuity.

The only neighbouring tree of note is Eucalyptus T12. This is already a large and dominant specimen which may need to be managed by reduction in due course in order to maintain it at an appropriate size for its host garden.

The root protection areas for the surveyed trees have been shown on the Tree Constraints Plan following a nominally circular model, however, it is note that trees such as Copper Beech T2 will almost certainly have reduced rooting density beneath the heavily compacted existing driveway surface.

Shade paths have also been shown on the Tree Constraints Plan, as detailed within British Standard 5837:2012. These have not been corrected for the slope of the garden.

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

Trees - A: 1 (6%), B: 4 (25%), C: 6 (38%), U: 5 (31%) Areas - A: 0 (0%), B: 0 (0%), C: 2 (100%), U: 0 (0%)



### **Arboricultural Impact Assessment**

The proposals show the demolition of the existing dwelling and its replacement with a total of four new detached houses. Two of these occupy the upper section of the site with the remaining two located towards the lower boundary. The existing entrance is to be retained to provide access to the lower two dwellings, whilst the upper three dwellings will use a new access which follows a design which secured planning consent in 2018 (see East Devon District Council planning application reference 18/2023/FUL).

The proposed site layout has been designed around the identified arboricultural constraints, and these allow for the retention of the key frontage trees, Copper Beech T2, Cedar T3 and Oak T4, as well as the three remaining Monterey Pines, T9, T10 and T11. Following a representation in 2020 from Mr D Lomas, East Devon District Council's Arboricultural Officer at the time, space has been left within the layout to accommodate the unconstrained growth of a new tree to the south-east of Monterey Pine T11, with this effectively forming the replacement under the Tree Preservation Order legislation for the recently felled fourth Monterey Pine.

Within the lower garden area itself, Lombardy Poplar T13 and Willow T14 are also retained, with the poor-quality stems which comprise area A1 being removed due to their poor quality.

The boundary stems which comprise area A2 are to be managed by recoppicing with a view to them being retained as a native hedgerow and screen in the future. Both Ash T15 and Hawthorn T16 on the north-eastern boundary are shown for retention as they appear to be in shared or third-party ownership, however, neither tree is considered to have a long safe useful life expectancy, nor any great contribution to the visual amenity value of the local landscape.

In order to reasonably maximise the site's potential and effective layout, it will be necessary to utilise no-dig surfaces in places; this includes the driveway incursion into the root protection area of Cedar T3 and the driveway incursion into the root protection area of Ash T15. A suggested specification for this surface is provided within Arboricultural Guidance Sheet AGS301 (copy attached), and this should incorporate a temporary wear course for the duration of construction.

Shading and perceived dominance has been considered within the design with most of the new dwellings experiencing little or no shade throughout the day. The dwelling on plot 3 will experience the greatest levels of shading, but this is balanced by the provision of significant garden space. The Tree Constraints Plan also offers a slightly misguided indication of the extent of shading as it does not account for slope.

Overall, the proposals allow for the retention of all of the key trees with a manageable risk of any harm as a consequence of construction activities. 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**

A monthly arboricultural inspection programme is shown on the Arboricultural Method Statement Plans. Additional ad hoc 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 65 braced Heras panels (see Arboricultural Guidance Sheet AGS101 attached); the specification for these matches the specification detailed within British Standard 5837:2012. There may be instances on site where it is desirable to substitute braced Heras fencing with site hoarding; the specification for the hoarding and the method statement for its construction must be approved prior to installation by the arboricultural supervisor.

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 be 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 concrete paving slabs 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.

Generally bonfires are forbidden by a planning condition, however, if bonfires are permitted, these must remain at least ten metres from either the construction exclusion zone, root protection area or crown spread of any tree, which ever is closer; this is to minimise any risk of heat damage to either the rooting system or crown of any retained tree.

### No-dig Surfacing

No-dig surfacing is shown on the Tree Protection Plan where an access route crosses root protection areas. This must be installed at the earliest opportunity, utilising a temporary wear course as required for the duration of the construction programme, replacing this with a final permanent wear course on completion of all construction works.

A suggested specification detail is shown within Arboricultural Guidance Sheet AGS301 though this will need to be reviewed and amended as necessary by a suitably qualified engineer. During the review of this document by the project manager and/or site manager, the site levels will need to be reviewed, noting that no-dig surfacing can typically add 250-300mm to existing ground levels, and surrounding surfaces may therefore need to be amended to match.

### Demolition of Existing Structures and Surfaces

Care will be required when undertaking demolition works 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. I recommend that the locations of all new trees outside of the construction exclusion zones are demarcated with a heavy-duty ground protection panel of at least 1.0m x 1.0m for the duration of construction to minimise compaction, churning or contamination of the soil structure, thus maximising the potential for new trees to establish.



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	Ash	Dismantle to near ground level to facilitate development
T2	Copper Beech	No works required at the present time
T3	Cedar	No works required at the present time
T4	Oak	No works required at the present time
T5	Monterey Cypress	Remove to favour Cedar T3 and Oak T4
T6	Monterey Cypress	Remove to favour Cedar T3 and Oak T4
T7	Sycamore	Remove to favour Cedar T3 and Oak T4
T8	Field Maple	No works required at the present time
Т9	Monterey Pine	Remove significant deadwood
T10	Monterey Pine	Remove significant deadwood
T11	Monterey Pine	Remove significant deadwood
T12	Eucalyptus	No works required at the present time
T13	Lombardy Poplar	No works required at the present time
T14	Weeping Willow	Reduce crown spread to north-east and south-east by ~1.5-2.0m to contain and tidy
T15	Ash	Crown lift over driveway to provide ~3.5m vertical clearance
T16	Hawthorn	Prune back to boundary line
A1	Apple	Dismantle to near ground level to facilitate development
A2	Mixed species	Recoppice and manage as hedge where practicable

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 AGS301 No-Dig Specification

AGS408 Demolition of Structures and Surfaces Near Trees

AGS801 Protective Fencing Poster AGS802 Site Office Tree Poster



Data T	ype: Individual Trees	Site Reference: TH/A684/1123	Location: 87 Sidford High Street	Initial Site Inspection Date: 27th July 2	2020 Lead Surveyor: Tom Hurley	, —
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Tree No.	Species	Tree Height	Crown Spread	Stem Dia (mm)	RPA Radius	RPA Area	LB Ht / Dir	Cr Ht	Age CI	SULE	Cond Phys/Str	Observations	Recommendations	BS Cat
T1	Ash	15.0	NW: 5.0 NE: 6.5 SE: 8.0 SW: 4.0	430	n/a	n/a	4.5/S	3.0	Y	<10	P/F	Tree is in decline and showing symptoms of Ash Dieback Disease	Dismantle to near ground level to facilitate development	U
T2	Copper Beech	15.0	NW: 7.0 NE: 6.5 SE: 8.0 SW: 8.0	730	8.70	238	2.5/W	1.0	MA	>40	G/G	Attractive well-balanced specimen     Root protection area to south and east heavily compacted	No works required at the present time	A2
Т3	Cedar	19.0	NW: 6.0 NE: 5.5 SE: 5.0 SW: 5.5	780	9.30	272	3.5/S	1.5	MA	>40	G/G	Attractive specimen with a marginally unbalanced crown due to the proximity of Cypresses T5 and T6 adjacent	No works required at the present time	B2
T4	Oak	16.0	NW: 5.0 NE: 5.0 SE: 5.0 SW: 5.0	600 #	7.20	163	7.0/S	7.0	MA	>40	G/F	Roadside verge specimen     Tree has been heavily crown lifted to clear electricity lines	No works required at the present time	B2
T5	Monterey Cypress	12.0	NW: 3.0 NE: 5.0 SE: 1.5 SW: 3.0	360	4.20	55	4.0/E	2.5	Y	20-40	F/F	Tree forms pair with T6 immediately adjacent Tree does not have any distinct leader	Remove to favour Cedar T3 and Oak T4	C1
Т6	Monterey Cypress	12.0	NW: 1.5 NE: 5.0 SE: 4.5 SW: 3.5	480	5.70	102	2.0/S	2.0	Y	20-40	F/F	Tree forms pair with T5 immediately adjacent	Remove to favour Cedar T3 and Oak T4	C1
T7	Sycamore	13.0	NW: 4.5 NE: 5.0 SE: 6.5 SW: 4.5	300	3.60	41	3.0/E	0.5	Y	20-40	F/F	Unbalanced naturally regenerated specimen	Remove to favour Cedar T3 and Oak T4	C1
Т8	Field Maple	9.0	NW: 3.0 NE: 4.5 SE: 4.0 SW: 0.5	320	3.90	48	0.0/N	0.0	Y	20-40	F/F	Unbalanced boundary specimen which has been heavily reduced on its western side to accommodate new dwelling	No works required at the present time	C1

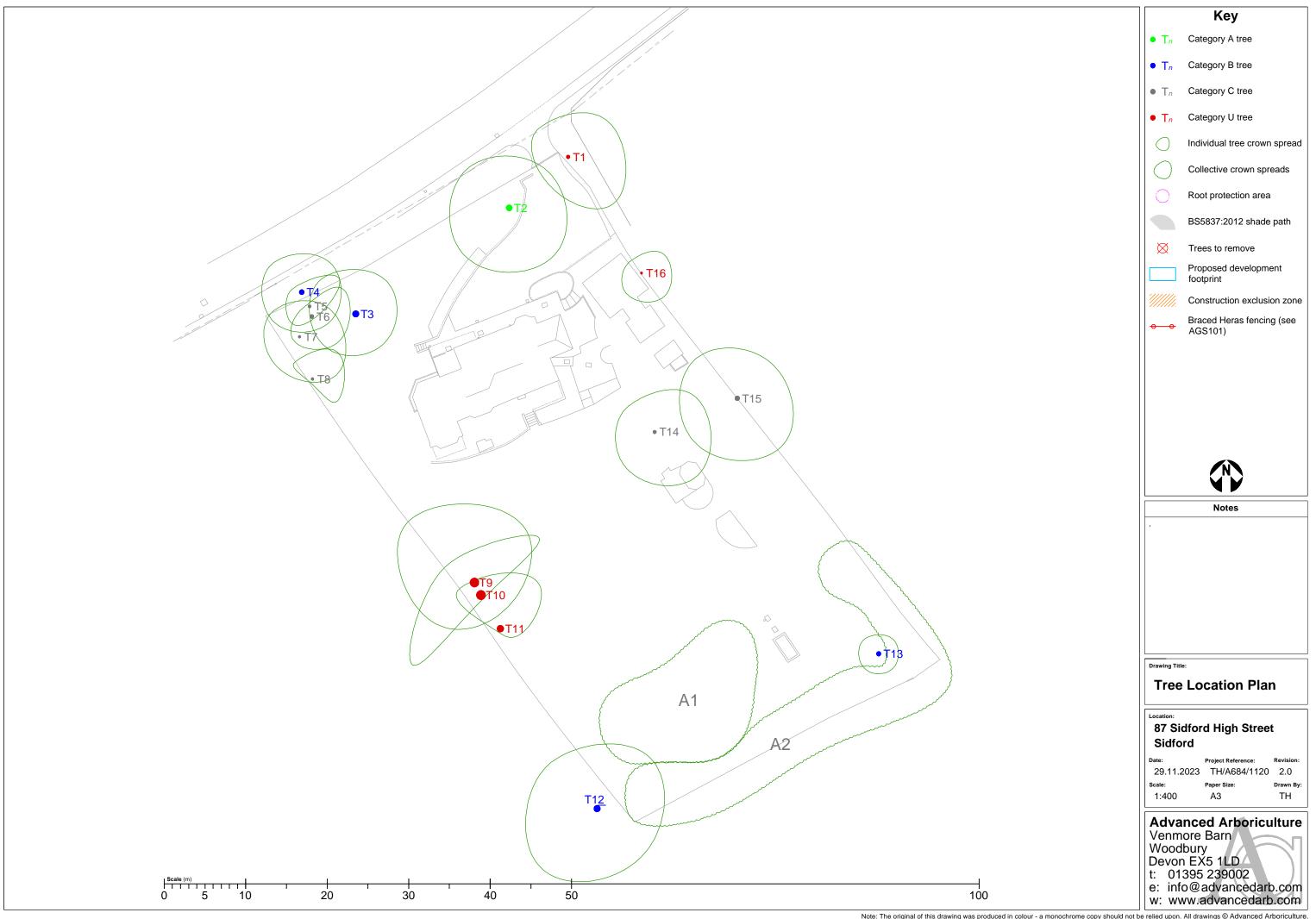
Tree No.	Species	Tree Height	Crown Spread	Stem Dia (mm)	RPA Radius	RPA Area	LB Ht / Dir	Cr Ht	Age CI	SULE	Cond Phys/Str	Observations	Recommendations	BS Cat
Т9	Monterey Pine	22.0	NW: 11.0 NE: 9.0 SE: 5.0 SW: 7.0	1100	n/a	n/a	3.5/E	0.0	М	<10	F/P	Tree forms part of a group of three Monterey Pines on western boundary Highly unbalanced crown tended to the north Tree has a limited safe useful life expectancy	Remove significant deadwood	U
T10	Monterey Pine	21.0	NW: 5.5 NE: 10.0 SE: 0.5 SW: 12.0	1120	n/a	n/a	2.5/W	2.0	М	<10	F/P	Tree forms part of a group of three Monterey Pines on western boundary Tree features a contorted and unbalanced form Tree has a limited safe useful life expectancy	Remove significant deadwood	U
T11	Monterey Pine	24.0	NW: 7.0 NE: 7.0 SE: 1.5 SW: 0.5	820	n/a	n/a	4.5/E	1.0	М	<10	F/P	Tree forms part of a group of three Monterey Pines on western boundary Crown tended heavily to the north due to the proximity of the recently removed tree Tree has a limited safe useful life expectancy	Remove significant deadwood	U
T12	Eucalyptus	24.0	NW: 8.0 NE: 9.0 SE: 8.0 SW: 10.0	800 #	9.60	290	3.5/E	1.0	MA	20-40	G/F	Large specimen in neighbouring garden     Tree has lost a large limb from the lower crown	No works required at the present time	B2
T13	Lombardy Poplar	24.0	NW: 2.5 NE: 2.5 SE: 2.5 SW: 2.5	550 #	6.60	137	0.0/N	0.0	MA	20-40	G/F	Tall drawn specimen Close inspection of tree not possible due to heavily overgrown nature of site	No works required at the present time	B2
T14	Weeping Willow	11.0	NW: 4.5 NE: 6.5 SE: 7.5 SW: 5.5	400	4.80	72	3.5/N	0.0	MA	20-40	F/F	Scruffy specimen with deadwood throughout crown	• Reduce crown spread to north- east and south-east by ~1.5-2.0m to contain and tidy	C1

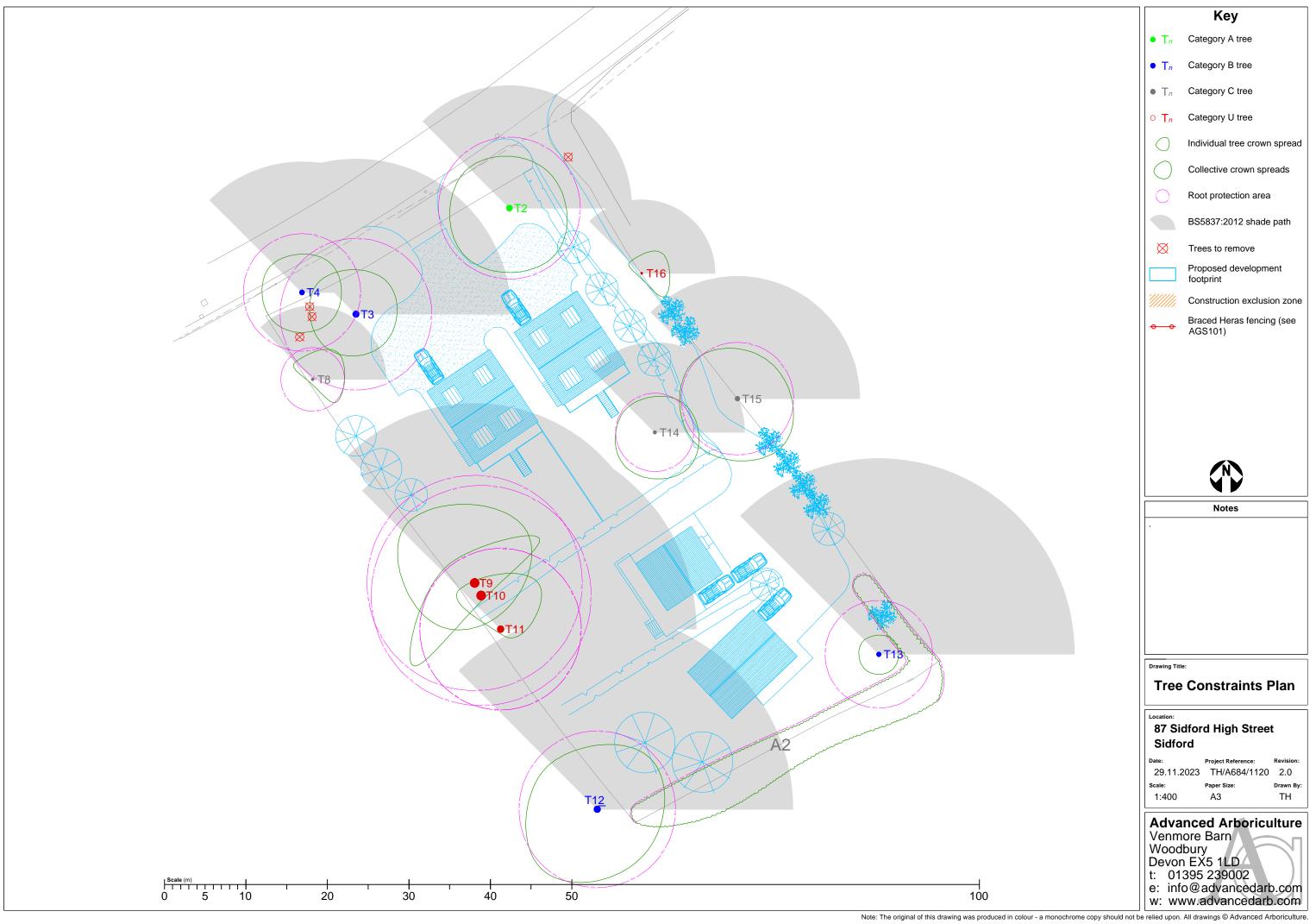
Data Type: Individual Trees Site Reference: TH/A684/1123 Location: 87 Sidford High Street Initial Site Inspection Date: 27th July 2020 Lead Surveyor: Tom Hurley

Tree No.	Species	Tree Height	Crown Spread	Stem Dia (mm)	RPA Radius	RPA Area	LB Ht / Dir	Cr Ht	Age CI	SULE	Cond Phys/Str	Observations	Recommendations	BS Cat
T15	Ash	15.0	NW: 7.0 NE: 6.0 SE: 8.0 SW: 7.5	570 (m/s: 400, 400) #	6.90	150	3.0/W	2.0	MA	10-20	F/F		Crown lift over driveway to provide ~3.5m vertical clearance	C1
T16	Hawthorn	9.0	NW: 2.0 NE: 3.5 SE: 4.0 SW: 3.0	250	n/a	n/a	1.5/W	2.0	MA	<10	P/F	Scruffy overgrown specimen on boundary     Tree may be in neighbouring ownership     Crown showing very low vigour	Prune back to boundary line	U

Data Type: Areas	Site Reference: TH/A684/1123	Location: 87 Sidford High Street	Initial Site Inspection Date: 27th July 2020	Lead Surveyor: Tom Hurley

Ref No.	Species	Tree Height	Crown Spread	Stem Dia (mm)	RPA Radius	RPA Area	LB Ht	Cr Ht	Age CI	SULE	Cond Phys/Str	Observations	Recommendations	BS Cat
A1	• Apple	<7.0	N: <4.0 E: <4.0 S: <4.0 W: <4.0	<300	<3.60	<41	>=0.0	>=0.0	MA-M	10-20	P-F/P-F	Area of neglected and overgrown former orchard     Not possible to inspect any trees closely due to impenetrable bramble growth	Dismantle to near ground level to facilitate development	C1
A2	Ash     Horse Chestnut     Holly     Field Maple     Sycamore     Hazel	<14.0	N: <6.0 E: <6.0 S: <6.0 W: <6.0	<300	<3.60	<41	>=0.0	>=0.0	MA	10-20	P-G/P-F	Belt of neglected and overgrown boundary vegetation     Not possible to inspect any trees closely due to impenetrable bramble growth	Recoppice and manage as hedge where practicable	C1







### **Arboricultural Method Statement**

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

- 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.
- All site personnel, including sub-contractors, to be advised of tree protection requirements during induction (see Arboricultural Induction Sheet).
- All tree works to be undertaken in accordance with British Standard 3998:2010.
- Protective fencing to be installed as per the specification detailed within Arboricultural Guidance Sheet AGS101.
- Arboricultural supervisor to attend site to inspect tree protection measures prior to the commencement of any construction activities (may be done via Skype/Facetime where practicable).
- Demolition to be completed in accordance with methodology detailed within Arboricultural Guidance Sheet AGS408.
- 7. Construction to commence in accordance with approved site layout.
- 8. Advanced Arboriculture to undertake inspections at key trigger points (see Arboricultural Supervision Inspection Record) along with monthly scheduled inspections for the duration of construction to ensure that there is no damage to retained trees and that the protective fencing is intact. Ad hoc inspections may also be undertaken 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.
- Fencing 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.



### Notes

- The arboricultural supervision requirements are detailed within the attached supervision record but may be further modified by a planning condition.
- The arboricultural supervision schedule must be incorporated into the project programme, ensuring that the arboricultural supervisor is contacted with a minimum of five working days before the identified key trigger points.
- Failure to fully comply with this Arboricultural Method Statement and supervision programme may result in the local planning authority refusing to sign off any tree-related planning conditions, or pursuing enforcement action.
- It is the client's responsibility to appoint an arboricultural supervisor prior to the commencement of the project on site. Advanced Arboriculture Ltd cannot be held liable for any failure to follow this schedule or for non-compliance with the prescribed tree protection measures and method statements.
- The client may appoint any suitably qualified and experienced arboricultural consultant to fulfil the role of arboricultural supervisor, but Advanced Arboriculture Ltd are able to take on this role on request.

### **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 review	ed?
Issues raised?	

Drawing Title

# Arboricultural Method Statement Plan

Locatio

# 87 Sidford High Street Sidford

Revised document required?

### Advanced Arboriculture Venmore Barn

Woodbury Devon EX5 1LD t: 01395 239002

e: info@advancedarb.com w: www.advancedarb.com

# **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:	Full Name:	Signature:
Company:	Date:	Company:	Date:
Full Name:	Signature:	Full Name:	Signature:
	D.(.		D. (.
Company:	Date:	Company:	Date:
Full Name:	Signature:	Full Name:	Signature:
Company:	Date:	Company:	Date:
		Company	
Full Name:	Signature:	Full Name:	Signature:
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Company:	Date:	Company:	Date:
Full Name:	Signature:	Full Name:	Signature:
Company:	Date:	Company:	Date:
Full Name:	Signature:	Full Name:	Signature:
Company:	Date:	Company:	Date:
Full Name:	Signature:	Full Name:	Signature:
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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 prosecutior 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

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

Drawing Title

# Arboricultural Site Induction Sheet

Location:

### 87 Sidford High Street Sidford

### Advanced Arboriculture

Venmore Barn Woodbury Devon EX5 1LD

t: 01395 239002

e: info@advancedarb.com w: www.advancedarb.com

# **Arboricultural Supervision Inspection Record**

						there is a legal obl
Inspection Trigger Point Stages	Tree Protection Statement Review	Inspection Record	Inspection Record	Inspection Record	Inspection Record	ensure that it is co
The following project stages will trigger the	Date:	Stage (see trigger points):	Stage (see trigger points):	Stage (see trigger points):	Stage (see trigger points):	full.  It is the site manage
need for an inspection by the arboricultural supervisor (tick all that apply):	Inspector:	Date:	Date:	Date:	Date:	responsibility to ens
A Tree Protection Statement review	Meeting: On-site	Inspector:	Inspector:	Inspector:	Inspector:	arboricultural super appointed and inspe
B Tree protection inspection	On-line	Meeting: On-site	Meeting: On-site	Meeting: On-site	Meeting: On-site	commissioned as p
C Pre-site-enabling inspection*	Consultees: Client	On-line	On-line	On-line	On-line	consent. Failure to prescribed arboricul
D Pre-demolition inspection	Architect		Off-liftle	On-line	On-line	supervision require
E Pre-groundworks inspection	Project Engineer	Comments:	Comments:	Comments:	Comments:	the responsibility of Reasons for reques
F Pre-construction inspection	Project Manager	네				ad hoc inspections
G Mid-construction inspection**	Site Manager	=				accidental damage amendment to prop
H Construction completion inspection	Demolition Contractor	$\exists \parallel$				clarify a detail on th
I Pre-landscaping inspection	Groundworks Contractor					Protection Plan or A Method Statement.
J Project completion inspection	Landscape Contractor	룩				Arboricultural Supe
S Scheduled inspections	LPA Tree Officer	╡║				make every effort to within 48 hours of re
X Ad-hoc inspection (client request)	Others:	ન॥				request from the Sit
Y Ad-hoc inspection (LPA request)	(Please specify)	=				<ul> <li>Inspections at key to may coincide with s</li> </ul>
Z Unannounced inspection		<b>-</b>				inspections
Note:	Comments:					<ul> <li>Local planning auth may ask to see the</li> </ul>
The number of inspections will be determined						Arboricultural Supe
during the preparation of the Tree Protection Statement based on anticipated risk of harm						Inspection Record a reasonable time.
to trees. These trigger points may be modified	Planning conditions checked?	·				· Any issues raised of
by the local planning authority and included as a condition of any planning consent.	All concerns addressed/resolved?	All concerns addressed/resolved?	All concerns addressed/resolved?	All concerns addressed/resolved?	All concerns addressed/resolved?	inspection may requestion and requestion may requestion and requestion and requestion are supported in the reques
* Site enabling includes construction of access	Tree issues?	Tree issues?	Tree issues?	Tree issues?	Tree issues?	prepare an Exception
routes, site compound setup, materials storage setup, etc.	Fencing issues?	Fencing/ground protection issues?	Fencing/ground protection issues?	Fencing/ground protection issues?	Fencing/ground protection issues?	detailing remedial wactions; these must
** Timing of mid-construction to be defined at Tree Protection Statement Review stage	Document revision required?	Document revision required?	Document revision required?	Document revision required?	Document revision required?	on file in the site of
Tree Protection Statement Neview Stage						<ul> <li>On completion of a works, a copy of th</li> </ul>
Inspection Record	Inspection Record	Inspection Record	Inspection Record	Inspection Record	Project Completion Inspection (Stage H)	document must be
Stage (see trigger points):	Stage (see trigger points):	Stage (see trigger points):	Stage (see trigger points):	Stage (see trigger points):	Date:	planning authority the Arboricultural Supe
Date:	Date:	Date:	Date:	Date:	Inspector:	discharge the relev
nspector:	Inspector:	Inspector:	Inspector:	Inspector:	Meeting: On-site	of the planning cons
Meeting: On-site	Meeting: On-site	Meeting: On-site	Meeting: On-site	Meeting: On-site	On-line	Arboricultural
On-line	On-line	On-line	On-line	On-line		(unless otherwise
					Comments:	Name: Tom Hurl
Comments:						
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	Comments:	Comments:	Comments:	Comments:		Company: Advance Tel: 01395 23 Mobile: 07967 38
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	You	No. Yes No.	You No	Y48 No	You No	Company: Advance Tel: 01395 2: Mobile: 07967 3: Email: th@adva  Drawing Title: Arboricultura Supervision  Location: 87 Sidford High Sidford  Date: Project Refe 29.11.2023 TH/A6: Scale: Paper Size: n/a A3  Advanced Ark Venmore Barn Woodbury
All concerns addressed/resolved?	All concerns addressed/resolved?	All concerns addressed/resolved?	All concerns addressed/resolved?	All concerns addressed/resolved?	All concerns addressed/resolved?	Company: Advanced Tel: 01395 23 Mobile: 07967 38 Email: th@adva  Drawing Title: Arboricultura Supervision L  Location: 87 Sidford High Sidford  Date: Project Refer 29.11.2023 TH/A68 Scale: Paper Size: n/a A3  Advanced Arb Venmore Barn

Where arboricultural supervision is included as a

## 2no. 300mm (min) Heras 2.0m x 3.45m warning sign on every Heras stabiliser strut Heras fence clip Heras fence foot alternate panel road pins fence panel Heras stabiliser strut bolted to Heras stabiliser strut (every Heras fence clip Heras fence clip block tray (every union unless union unless otherwise specified) otherwise specified) minimum 30kg ballast (concrete block or sandbag) loaded onto 2no. 300mm (min) Heras fence foot Heras fence foot road pins block tray **Back Bracing Cross Section (for use where road pins Back Bracing Cross Section (for use where road pins** may be driven into the ground) cannot be driven into the ground)

### 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
- 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.

### Drawing Title:

### Braced Heras Fencing

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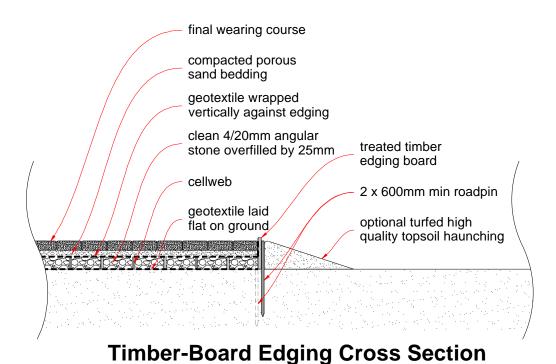
### Advanced Arboriculture Venmore Barn

Devon EX5 1LD 1: 01395 239002

Woodbury

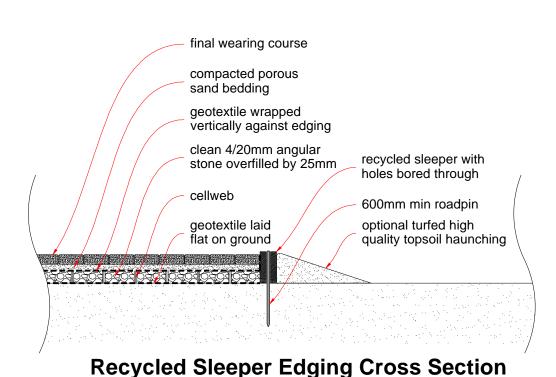
t: 01395 239002 e: info@advancedarb.com

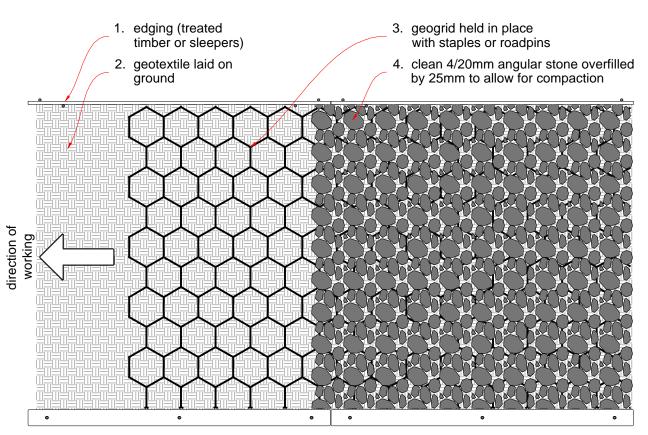
w: www.advancedarb.com



# optional GroundGuards or equivalent to further reduce compaction and protect cellweb clean 4/20mm angular stone overfilled by 25mm to allow for compaction cellweb edging (treated timber or sleepers) geotextile laid flat on ground

### **Temporary Ground Protection Cross Section**





Plan View of No-Dig Installation

### Notes

- These specifications are for guidance only and must be reviewed by the Project Manager, Project Engineer and Arboricultural Supervisor prior to commencement of any works on site. We recommend Greenfix to provide a comprehensive engineering and design service for no-dig surfaces (t: 01608 666027, w: www@greenfix.co.uk).
- The Arboricultural Method Statement below is to be followed for all no-dig surfacing permitted within the root protection area (RPA) by a full planning consent.
- This information must accompany all tender documents to enable contractors to factor these specifications in their costings Local planning authority consent for these specifications cannot be assumed and must be sought prior to commencement of any construction works.

### **Arboricultural Method Statement**

- Chosen specification to be reviewed by suitably qualified engineer to ensure that it is fit for purpose.
- 2. Ground to be raked clear of debris including leaf litter and twigs.
- Treated timber or recycled sleeper edging to be installed, ensuring no services are present before driving roadpins in to secure edging.
- A layer of geotextile (Greenfix TRP-3000 or equivalent) to be laid out across the entire area to be surfaced.
- Layer of cellular confinement geogrid (Greenfix GEOWEB or equivalent) to be secured into place along the entire length of the route using Greenfix ATRA Keys and roadpins.
- The geogrid to be overfilled by 25mm with 4/20mm clean angular stone using a mini-dumper truck, powered barrow or hand barrow, working along the route from its starting point so that the stone delivery only runs over filled areas of grid.
- If the no-dig is to be used as a construction access, it should be slightly overfilled with stone and optional GroundGuards or equivalent placed on top to protect the geogrid and further reduce compaction.
- Remove GroundGuards (if fitted) to allow for installation of final wear course.
- Some tamping down may be necessary to ensure a firm interlock between stones and minimise settlement.
- 10. A layer of geotextile (Greenfix TRP-3000 or equivalent) to be laid out across the entire area to be surfaced, wrapping the sides up to the level of the top of the timber or sleeper edging.
- 11. Cover the geotextile in a layer of sand and firm down thoroughly.
- 12. Install the final wearing course, ensuring that any block paving is permeable.

Alternative wear courses including permeable tarmac or resin-bound gravel may be suitable for installation on the stone and geogrid base but will require further arboricultural input to ensure the specification, sub-base and installation method are acceptable.

### Drawing Little:

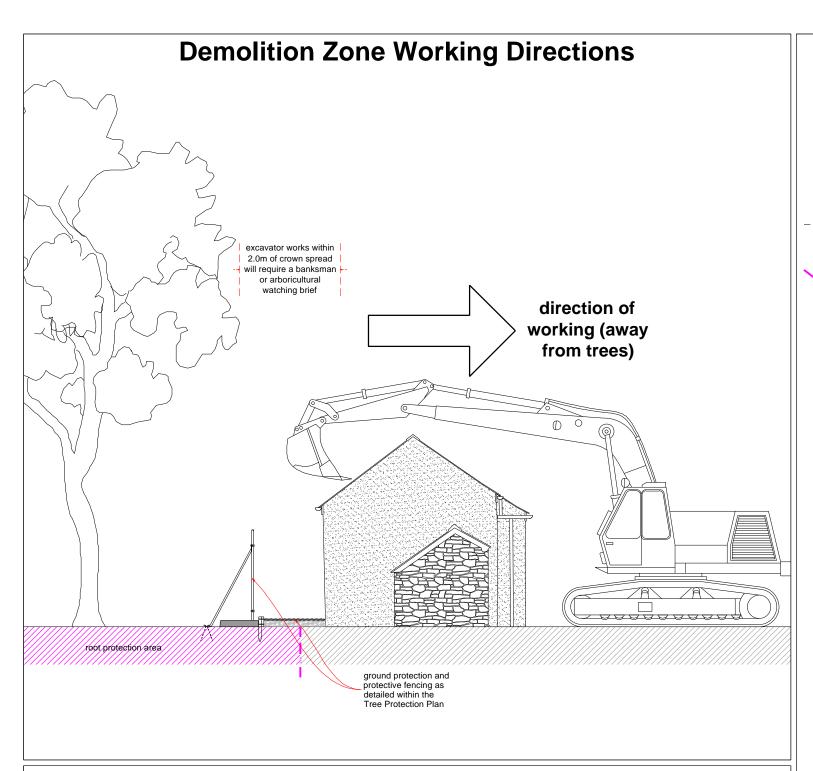
### No-Dig Specification

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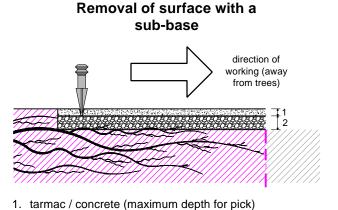
### Advanced Arboriculture Venmore Barn Woodbury

Devon EX5 1LD 1: 01395 239002

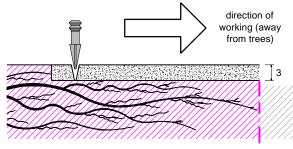
e: info@advancedarb.com w: www.advancedarb.com



# **Removal of Hard Surfaces Near Trees**



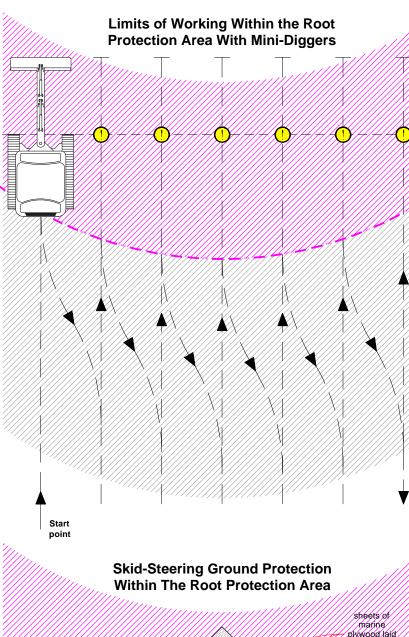
Removal of surface without a sub-base



3. tarmac / concrete (maximum depth for pick)

### 2. sub-base (to be loosened with a fork and removed with a shovel

### **Mechanical Plant Operations Near Trees**



Root Protection Area

Limit tracking into RPA by

using boom a full extension

Skid-steer zone to remain

outside RPA

### All works to be undertaken from outside of

the root protection areas. 2. Tree protection measures to be installed

Site Organisation

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

- prior to mobilisation to site by demolition contractors.
- 3. 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 oppos 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**

- 1. 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
- 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.
- 3. Layout of site for demolition to be set out as agreed with Arboricultural Supervisor
- 4. 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
- 6. 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
- . 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

13.10.2021 AGS408 1.0 n/a

### **Advanced Arboriculture**

Venmore Barn Woodbury Devon EX5 1LD t: 01395 239002

e: info@advancedarb.com

w: www.advancedarb.com

# TREE PROTECTION AREA



**(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.

Advanced Arboriculture • www.advancedarb.com • office@advancedarb.com • 01395 239002

### 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):

- be printed using a colour laser printer and
- Open this file in Adobe Acrobat Reade 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:
  - http://www.advancedarb.com/
  - download/A4.pdf
  - http://www.advancedarb.com/ download/A3.pdf

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

All documents are @ Advanced Arboriculture.

### **Arboricultural Supervisor**

(unless otherwise instructed)

Name: Tom Hurley

Company: Advanced Arboriculture 01395 239002

Mobile: 07967 384910 Email: th@advancedarb.com

Drawing Title:

### **Protective Fencing** Poster

Revision 01.02.2021 AGS801 1.0 n/a 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.

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:
  - http://www.advancedarb.com/ download/siteposterA4.pdf
  - 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 Hurle

 Company:
 Advanced Arboriculture

 Tel:
 01395 239002

 Mobile:
 07967 384910

Email: th@advancedarb.com

### Drawing Title

### Site Office Tree Poster

### Advanced Arboriculture Venmore Barn

Woodbury Devon EX5 1LD t: 01395 239002

e: info@advancedarb.com w: www.advancedarb.com