

# TPS

## TREE PROTECTION SCHEME

(INC. ARBORICULTURAL METHOD STATEMENT & TREE  
PROTECTION PLAN)



PROJECT - The Ruddery, Ashwell  
CLIENT - Chris Middleton  
DOC. REF - P5515-TPS01 V2  
PLANNING REF - n/a  
CREATION DATE - 22/10/2025

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## PURPOSE OF DOCUMENT

This document details the methodology behind the installation of any required tree protection measures, and any demolition and construction activities with the potential to cause harm to the site's trees.

The methods outlined in this document must be implemented as per this document. Failure to do so may result in a breach of planning or significant fines.

## ARBORICULTURAL DOCUMENT REGISTER

| Planning Documents        |             | Version Issued  |               |
|---------------------------|-------------|-----------------|---------------|
| Document                  | Ref.        | Current Version | Document Date |
| Arb. Impact Assessment    | P5515-AIA01 | V2              | 22/10/2025    |
| Arb. Site Plan (Existing) | P5515-ASP01 | V1              | 10/10/2025    |
| Arb. Site Plan (Proposed) | P5515-ASP02 | V2              | 22/10/2025    |

| Technical Documents    |             | Version Issued  |               |
|------------------------|-------------|-----------------|---------------|
| Document               | Ref.        | Current Version | Document Date |
| Tree Protection Scheme | P5515-TPS01 | V2              | 22/10/2025    |

# 1 GENERAL INFORMATION

## 1.1 BRIEF

- 1.1.1 Ligna Consultancy Ltd were instructed by the client, Chris Middleton, to prepare a Tree Protection Scheme, comprising of an Arboricultural Method Statement and Tree Protection Plan/s for the proposed scheme at The Ruddery, Ashwell.

## 1.2 PROPOSED DEVELOPMENT

- 1.2.1 Erection of 4 new dwellings with associated garages and driveways.

## 1.3 USE OF DOCUMENT

- 1.3.1 This document has been produced to assist key design and construction personnel in ensuring the satisfactory protection of all important trees present within the development site.

## 1.4 SITE

- 1.4.1 The site discussed within this report is located at:

The Ruddery, Ashwell Street Ashwell, SG7 5QF

## 1.5 SCOPE OF DOCUMENT

- 1.5.1 This document consists of the following:

- Arboricultural Method Statement

- 1.5.2 Appendices included with this report are:

| No. | Appended Document                      |
|-----|----------------------------------------|
| 1   | Tree Protection Plan (P5515-TPP01 V2)  |
| 2   | CEZ Notice                             |
| 3   | Schedule of Arboricultural Supervision |

- 1.5.3 The following documents were submitted to Ligna Consultancy Ltd for consideration:

| No. | Supplied Document                                             |
|-----|---------------------------------------------------------------|
| 1   | Topographical Survey                                          |
| 2   | Proposed Site Plan (RUDDERY SITE PLANS SEPT 2025. 303-A1-03a) |

## 1.6 PROJECT CONTACT

| Role                      | Name              | Telephone    | Email                                                                                |
|---------------------------|-------------------|--------------|--------------------------------------------------------------------------------------|
| Arboricultural Consultant | Jennifer Sinclair | 01284 598008 | <a href="mailto:jennifer@lignaconsultancy.co.uk">jennifer@lignaconsultancy.co.uk</a> |

## 1.7 AUTHOR

- 1.7.1 Jennifer Sinclair is a Technician member of the Arboricultural Association with PTI certification. She has worked in arboriculture for over a decade, including supervisory roles undertaking both domestic and commercial arboricultural work. She possesses a level 3 extended diploma in arboriculture and has undertaken additional study and training at level 6. A full CV and list of experience and CPD is available on request.

## 1.8 LIMITATIONS

- 1.8.1 Detailed inspections and recommendations relating to tree condition and health are not included within this report.
- 1.8.2 Any engineering solutions presented within this document are recommendations for their suitability from an arboricultural viewpoint. The architect and structural engineers should make the final decision on the suitability of the methods advised.
- 1.8.3 Information provided by third parties, considered in the creation of this report, is assumed to be correct.

## 1.9 PROTECTED TREES

- 1.9.1 Details of trees (if any) that are protected by Tree Preservation Orders (TPOs) or are situated within Conservation Area are available upon request.
- 1.9.2 It is the standard approach of Ligna Consultancy not to obtain this information from the LPA prior to an application, as the LPA will provide details of nearby protected trees as part of the consultation.
- 1.9.3 It should also be noted that granted planning permission that includes tree work specifications overrides Tree Preservation Orders and Conservation Area protections (approved works only).

## 1.10 NESTING BIRDS / BATS

- 1.10.1 Officially, the 'Bird Nesting Season' is between February and August (Natural England). During this time, it is recommended that vegetation works (tree or hedge cutting) or site clearance is avoided if there is a reasonable potential for the disruption of nesting birds.
- 1.10.2 All parties involved in the management and/or development of a site must actively avoid causing disturbance and disruption to nesting birds. Failure to do this may result in an infringement of the *Wildlife and Countryside Act 1981* and the *European Habitats Directive 1992 / Nesting Birds Directive*.
- 1.10.3 When tree or vegetation clearance work has to be undertaken during the nesting season, a pre works survey needs to be carried out by a suitably competent person.
- 1.10.4 All bats and their roosts are protected by domestic and international legislation. They are protected by the *Wildlife and Countryside Act 1981* (as amended) and the *Conservation of Habitats and Species Regulations (2017 – as amended)*. This means you may be committing a criminal offence if you:

Deliberately take, injure or kill a wild bat; Intentionally or recklessly disturb a bat in its roost or deliberately disturb a group of bats; Damage or destroy a place used by bats for breeding or resting (roosts) (even if bats are not occupying the roost at the time); Intentionally or recklessly obstruct access to a bat roost.

- 1.10.5 Prior to carrying out any tree works it is recommended that a survey of the tree/ trees is carried out to confirm whether there are any nesting birds or bat roosts. This should be carried out by a suitably trained person.

## 1.11 SUMMARY OF TERMS

| Term                           | Definition                                                                                                                                                                                                                                                                  |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>                 | The type of tree.                                                                                                                                                                                                                                                           |
| <b>Stem</b>                    | The main woody upright portion of a tree that is supported by the roots and supports the crown.                                                                                                                                                                             |
| <b>Branch Spread</b>           | The length of a tree's branches from stem to tip measured from the north, east, south and western sides of the crown.                                                                                                                                                       |
| <b>BS 5837</b>                 | The commonly used name for the official guidance document relating to trees and development ( <i>BS 5837:2012 - Trees in relation to design, demolition and construction – Recommendations</i> )                                                                            |
| <b>Canopy / Crown</b>          | The branches, leaves, and reproductive structures extending from the trunk or main stems of a tree/trees.                                                                                                                                                                   |
| <b>DBH</b>                     | Diameter of a tree's stem, measured as per BS 5837:2012                                                                                                                                                                                                                     |
| <b>RPA</b>                     | The root protection area (RPA) is a layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority. |
| <b>Facilitation Tree Works</b> | Tree pruning/felling required in order to facilitate the implementation of the proposed development.                                                                                                                                                                        |
| <b>Tolerance</b>               | The relative tolerance the species can show to construction related activities such as root-loss, soil compaction and other development pressures.                                                                                                                          |
| <b>Category (Cat.)</b>         | Categorisation of the tree's value based on the methodology shown in Appendix 1, A1.4. This rating takes into account the size, quality, condition, estimated remaining life expectancy and legal status of each tree.                                                      |

## 1.12 LIMITATIONS

- 1.12.1 Any engineering solutions presented within this document are recommendations for their suitability from an arboricultural viewpoint. The architect and structural engineers should make the final decision on the suitability of the methods advised.

- 1.12.2 Information provided by third parties, considered in the creation of this report, is assumed to be correct.

## 1.13 COPYRIGHT

- 1.13.1 This report was prepared for use by the Clients and their contractors for planning purposes. The report and its appendices may not be copied, modified, or distributed beyond the necessary parties without the written consent of Ligna Consultancy Ltd

## 2 RESPONSIBILITIES

### 2.1 DISTRIBUTION

- 2.1.1 It is important to ensure everyone involved in the planning and design of the proposed development is aware of this report and has access to a copy as soon as it is released.

### 2.2 RESPONSIBILITIES

- 2.2.1 Successful implementation of tree protection measures and long-term tree retention depends on coordination between the client and key personnel involved in the development.

- 2.2.2 The client and agent shall ensure that:

|                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>The site manager and all other personnel are provided with this document.</li> </ul>                                                         |
| <ul style="list-style-type: none"> <li>All planning conditions relating to underground works, services, trees, and landscaping are cleared before development commences.</li> </ul> |
| <ul style="list-style-type: none"> <li>All requirements of this Tree Protection Plan are adhered to.</li> </ul>                                                                     |
| <ul style="list-style-type: none"> <li>The site manager is updated of any approved changes or variations to this document</li> </ul>                                                |

- 2.2.3 The client and site manager shall ensure that:

|                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>A copy of this document with the plan is easily accessible for site personnel to refer to before and during the time construction activity is taking place.</li> </ul>                                                                                                     |
| <ul style="list-style-type: none"> <li>All personnel working on the site are made aware of the tree protection plan and arboricultural method statements covering any activities they will undertake. This duty includes delegating the task of briefing personnel in the absence of the site manager.</li> </ul> |
| <ul style="list-style-type: none"> <li>The tree protection measures are left in place until the construction phase of development is completed, except with the written consent of the LPA.</li> </ul>                                                                                                            |
| <ul style="list-style-type: none"> <li>Site personnel are updated of any approved changes or variations to the approved tree protection measures.</li> </ul>                                                                                                                                                      |
| <ul style="list-style-type: none"> <li>All personnel must work in accordance with this document at all times, or in accordance with approved variation.</li> </ul>                                                                                                                                                |

## 2.3 PROCEDURES FOR INCIDENTS

2.3.1 If any breach of the approved tree protection measures occurs the site manager must:

|                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• The Local Planning Authority Tree officer or other Planning Officer and the Author of this report shall be notified.</li> </ul> |
| <ul style="list-style-type: none"> <li>• The site manager must be informed immediately.</li> </ul>                                                                       |
| <ul style="list-style-type: none"> <li>• Swift action must be taken to halt the breach and prevent any further breach.</li> </ul>                                        |
| <ul style="list-style-type: none"> <li>• Damage mitigation measures appropriate to the scale of the incident will be deployed where required.</li> </ul>                 |

## 2.4 PROHIBITED ACTIVITIES

2.4.1 The following must not be carried out under any circumstances:

|                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Cutting down, uprooting, damaging or otherwise destroying any retained tree.</li> </ul>                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• Lighting a fire within 10 metres of the canopy of any retained tree.</li> </ul>                                                                                                                                                                                                                                                                                                        |
| <ul style="list-style-type: none"> <li>• Equipment, signage, fencing, tree protection barriers, materials, components, vehicles or structures shall not be attached to or supported by a retained tree.</li> </ul>                                                                                                                                                                                                              |
| <ul style="list-style-type: none"> <li>• Mixing cement, chemical toilets and other use or storage of anything that would be harmful to trees shall not take place within, or close to a Root Protection Area (RPA). The distance away from the RPA must be sufficient, and the slope of the site must be such that contamination of soil in the RPA would not occur if there were spillage, seepage or displacement.</li> </ul> |
| <ul style="list-style-type: none"> <li>• No plant or equipment or vehicle with a hydraulic arm such as a mini digger shall be operated within striking distance of the stem and branches or the RPA of any retained tree unless otherwise specified in this report.</li> </ul>                                                                                                                                                  |

2.4.2 No alterations or variations shall be made to the approved tree protection measures without written approval from the LPA.

### 3 PHASING & SUPERVISION

#### 3.1 PHASING OF DEVELOPMENT

- 3.1.1 The development should be carried out in the following order (see table 1) unless otherwise agreed in writing with the LPA. Each step should be completed before moving onto the next.
- 3.1.2 The general responsibilities described in section 3 of the report must be implemented for the entire time that the site is undergoing development related works. However, the additional precautions detailed in the following arboricultural guidance notes (AGN) must be implemented at the stage indicated below.

| Stage                                     | Arboricultural Guidance Note                                                                                                         | Associated Plan                           |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Facilitative Tree Works                   | * Works should be undertaken by suitably qualified and insured arborists, in line with 'BS 3998:2010 Tree Work. Recommendations'     | Arb Site Plan (Proposed) (P5515-ASP02 V1) |
| Pre-Commencement                          | AGN1 – Installation of Tree Protection Barriers<br>AGN2 – Installation of Temporary Ground Protection                                | Tree Protection Plan (P5515-TPP01 V2)     |
| Groundworks & Installation of Foundations | AGN3 – Installation of No-Dig 3D Cellular Surfacing<br>AGN4 – Root Pruning<br>AGN5 – Installation of Pile and Raised Slab Foundation | Tree Protection Plan (P5515-TPP01 V2)     |
| Construction                              |                                                                                                                                      |                                           |
| Removal of Tree Protection Measures       | * Tree protection measures may be removed                                                                                            |                                           |
| Landscaping                               | AGN6 – Installation of Fencing Within RPAs                                                                                           | Tree Protection Plan (P5515-TPP01 V2)     |

Table 1 – Timing and implementation of specific arboricultural measures

- 3.1.3 Failure to abide by the above schedule may result in a breach of planning. Any deviation from the agreed upon protection measures must be reported to the project arboriculturalist immediately.
- 3.1.4 In addition to the phasing of the scheme's implementation the activities listed in Appendix 3 require supervision/sign-off by the appointed Arboricultural Clerk of Works (ACOW). Where indicated, remote video call or photographic supervision may be suitable in some instances.

## 4 TREE WORKS

### 4.1 TREE WORK REQUIREMENTS

4.1.1 The following tree work should be undertaken following acceptance of planning permission. These works should be undertaken by suitably qualified and insured arborists.

4.1.2 Work specification:

| Ref. | Species                        | Development Related Tree Works                                                               | Cat. |
|------|--------------------------------|----------------------------------------------------------------------------------------------|------|
| T1   | Prunus spp. (Plum)             | Crown lift overhanging tertiary branches and tips to provide 4.5m clearance with the ground. | C1   |
| T3   | Acer pseudoplatanus (Sycamore) | Crown lift overhanging tertiary branches and tips to provide 4.5m clearance with the ground. | B1   |
| T4   | Fraxinus excelsior (Ash)       | Crown lift overhanging tertiary branches and tips to provide 4.5m clearance with the ground. | B1   |
| T5   | Acer pseudoplatanus (Sycamore) | Crown lift overhanging tertiary branches and tips to provide 4.5m clearance with the ground. | B1   |
| T6   | Fraxinus excelsior (Ash)       | Crown lift overhanging tertiary branches and tips to provide 4.5m clearance with the ground. | B1   |
| T7   | Fraxinus excelsior (Ash)       | Crown lift overhanging tertiary branches and tips to provide 4.5m clearance with the ground. | B1   |
| T8   | Sambucus nigra (Elder)         | Remove                                                                                       | C3   |
| T14  | Prunus spp. (Plum)             | Remove                                                                                       | C3   |
| T20  | Fagus sylvatica (Beech)        | Remove                                                                                       | B1   |
| T21  | Fagus sylvatica (Beech)        | Remove                                                                                       | B1   |
| T22  | Sorbus aria (Whitebeam)        | Remove                                                                                       | C1   |
| T23  | Sorbus aria (Whitebeam)        | Remove                                                                                       | B3   |
| T26  | Fagus sylvatica (Beech)        | Crown lift tertiary branches and tips to provide 4.5m clearance with the ground.             | B1   |
| T27  | Fagus sylvatica (Beech)        | Crown lift tertiary branches and tips to provide 4.5m clearance with the ground.             | B3   |
| T28  | Fraxinus excelsior (Ash)       | Remove                                                                                       | B3   |
| G2   | Fraxinus excelsior (Ash)       | Reduce western crown by ~1.5m                                                                | B1   |

|    |                               |                                                                    |    |
|----|-------------------------------|--------------------------------------------------------------------|----|
| H4 | Crataegus monogyna (Hawthorn) | Remove ~19m2 from westernmost side. (See ASP02 for exact location) | C1 |
|----|-------------------------------|--------------------------------------------------------------------|----|

*Table 2 – Facilitation Tree Works*

- 4.1.3 The location of the trees can be seen on the Arboricultural Site Plan (P5515-ASP02). Trees selected for removal will be shown with a red dotted canopy fill.

## 5 ARBORICULTURAL GUIDANCE NOTES

### AGN1 – INSTALLATION OF TREE PROTECTION BARRIERS

#### OUTLINE

*Tree protection barriers must be installed so as to ensure that damage does not occur to the rooting areas, stems, and canopies of retained trees.*

#### INSTALLATION METHODOLOGY

- i) The barriers shall be installed and removed in accordance with the timing of operations in section 4.1 and laid out in accordance with the appended Tree Protection Plan.
- ii) The “CEZ Notice” provided, should be used to create weather-proof notices that must be attached to the tree protection barriers at suitable intervals.
- iii) If any panel or support becomes damaged, immediate reinforcement must occur by adding panels in, compliant with the specification detailed below.
- iv) The default heavy-duty tree protection barrier specification is a vertical and horizontal scaffold framework, braced to resist impacts, as per *Figure 1*. The vertical tubes are spaced at a maximum interval of 3 metres and these are driven securely into the ground. Welded mesh panels are securely attached to the frame. During installation, it is important to consider the position of below ground services and structural roots, which must not be damaged. Where these constraints prevent the use of this specification, an alternative specification is given below.
- v) Alternative heavy-duty tree protection barrier design - 2-metre-tall welded mesh panels standing in rubber or concrete feet joined using a minimum of two anti-tamper couplers installed, so they can only be removed from inside the protected area. The fence couplers should be at spaced least 1 metre apart, but uniformly across the whole barrier. These panels must be supported within the protected area with struts attached to a base plate secured by ground pins as per *Figure 2a*.
- vi) Alternative light tree protection barrier design – In areas where consistent work is not to be undertaken, and deemed appropriate by the Arboricultural Clerk of Works, an alternative to the traditional heras fencing can be installed. This must consist of the orange plastic mesh installed with metal stakes as per the associated Tree Protection Plan. This fencing must not move location unless stated otherwise and must be respected in the same way that heras is.
- vii) Where the fencing is installed above retained hard surfacing and/or it is otherwise not feasible to use ground pins (e.g. due to underlying services or structural roots), the struts can be mounted on a block tray as per *Figure 2b*.
- viii) Arboricultural Sign-off – Following the installation of the barriers, the project's arboricultural expert must confirm that they have been correctly laid out.

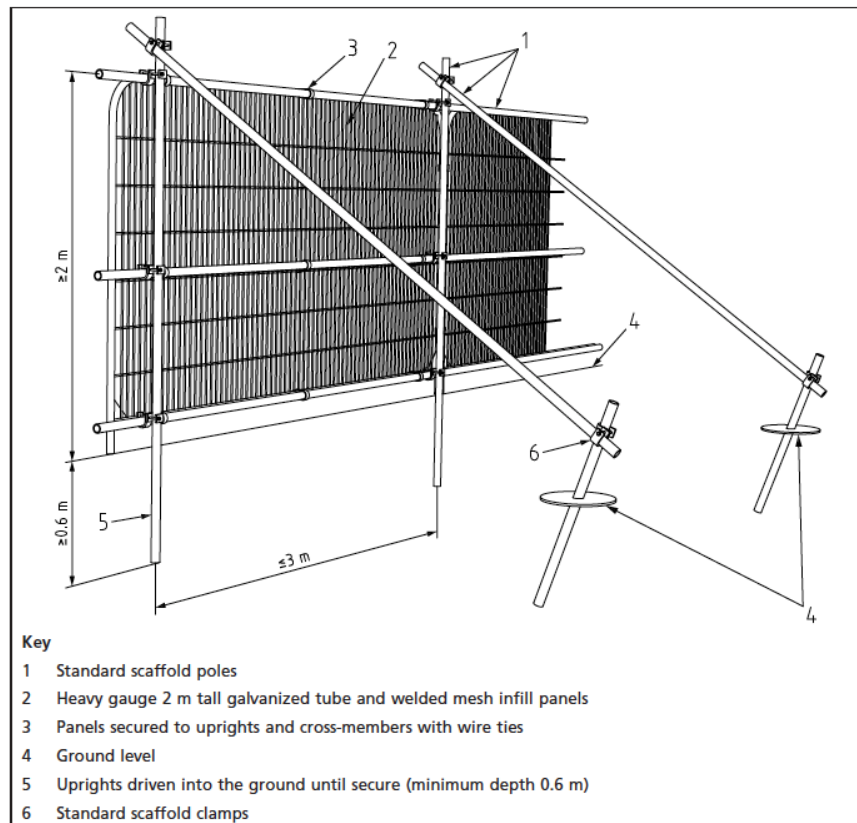


Figure 1 – Conventional tree protection barrier specification (source - BS 5837:2012 Section 6)

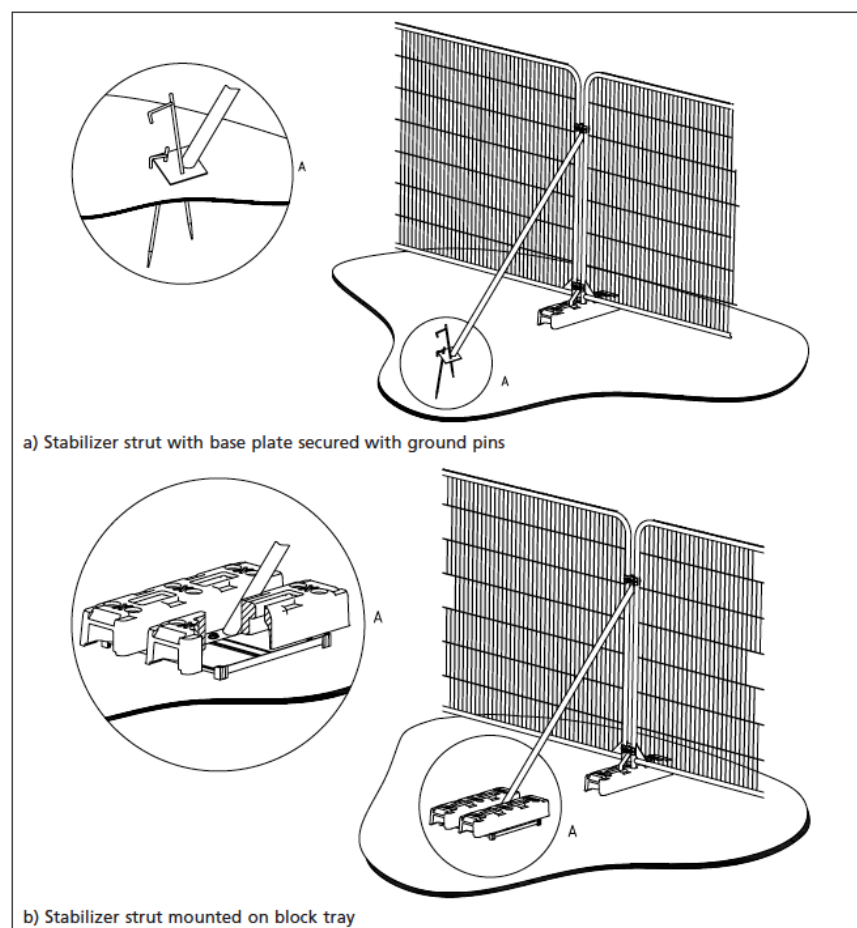


Figure 2 – Above ground stabilising systems (source - BS 5837:2012 Section 6)

## AGN2 – INSTALLATION OF TEMPORARY GROUND PROTECTION

### OUTLINE

*Prior to the start of any demolition or construction activities, temporary ground protection measures must first be installed as per the associated Tree Protection Plan. This will prevent any construction traffic from causing compaction damage to tree roots during the construction process.*

### INSTALLATION METHODOLOGY

- i) A geotextile membrane must be laid over the area to be protected with temporary ground protection.
- ii) A compression layer of 100mm deep coarse building sand or woodchip must be spread over the geotextile membrane.
- iii) Interlocking ground protection matting or two overlapping layers of 12mm thick plywood must then be installed atop the compressive layer.
- iv) Once installed, this should be signed-off by the project's arboricultural consultant.

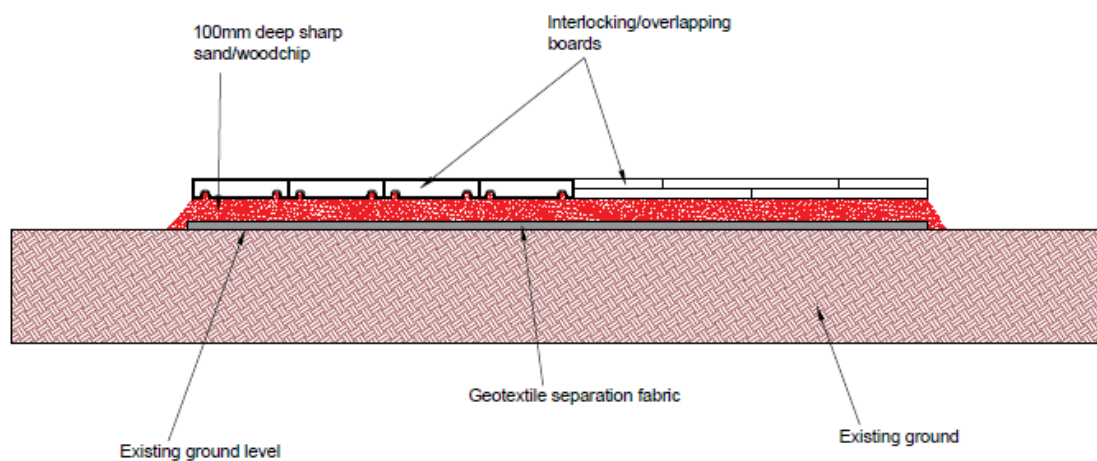


Figure 3 – Diagram of temporary ground protection setup.

## AGN3 – INSTALLATION OF NO-DIG 3D CELLULAR SURFACING

### OUTLINE

*New surfacing is to be installed within multiple RPAs that has the potential to cause significant root loss and disturbance if traditional construction methods are used. Therefore, to avoid the need for excavation into the rooting area, a specialist no-dig surfacing is to be used as the subbase.*

*A no-dig 3D cellular system allows for robust surfacing to be installed within a root protection area without harming the roots and overall health of retained trees. These systems ensure that minimal soil compaction occurs during installation and use.*

*Owing to the nature of no-dig surfacing, the FSL of the roadway will be increased. Owing to this, areas of adjacent existing surfacing will also need to be raised, and this needs to be taken into consideration by the design team.*

*The selected system must be installed as per the manufacturer's instructions. The following guidance is intended as an outline only.*

### INSTALLATION METHODOLOGY

- i) Ground protection may be removed in the areas that are to be surfaced. Once removed, no machinery or vehicles may be present on the unprotected ground at any time.
- ii) A geotextile membrane will be laid over the area to be surfaced (see manufacturer's recommendations).
- iii) The cellular system (Cellweb TRP) will be spread out and pinned into the ground. Wooden edge retention boards will then be pinned into place.
- iv) The pinned down geocells must then be filled with a 40-20mm clean angular stone (see manufacturer's recommendations). This will be achieved with any machinery working forward onto the surface as it is constructed (known as "rolling out").
- v) Once installed, the system will have a finishing surface added above (indicative cross section below)

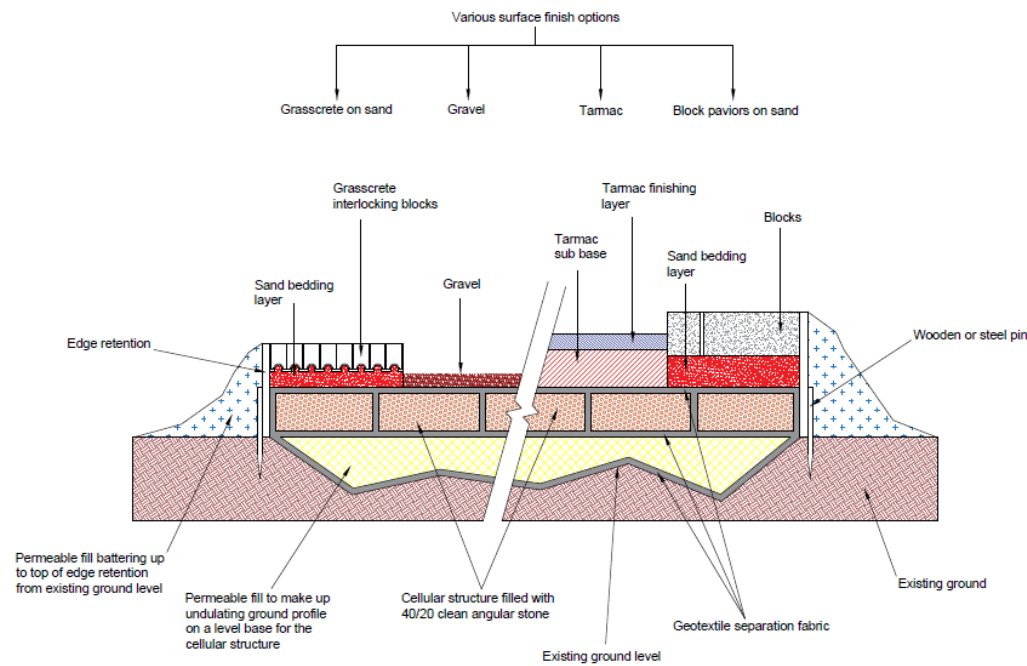


Figure 4 - Diagram showing the methodology behind the installation of three-dimensional cellular matting (Cellweb)

## RECOMMENDED PRODUCTS

| Product Type                   | Product Name | Supplier      | Website                                                                                                                                 |
|--------------------------------|--------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 3D Cellular Confinement System | Cellweb TRP  | Geosynthetics | <a href="http://www.geosyn.co.uk/product/cellweb-tree-root-protection">http://www.geosyn.co.uk/product/cellweb-tree-root-protection</a> |

## AGN4 – ROOT PRUNING

### OUTLINE

*Owing to the positioning of the proposed garage and new surfacing, the excavations for the foundations/ subbase will cause a minor incursion of 2.4% in the RPA of T7 and 1.8% in the RPA of T27. Owing to the small scale of this incursion no specialist methods are deemed necessary.*

*However, to prevent damage from occurring, the following methodology must be used:*

### INSTALLATION METHODOLOGY

- i) During the excavations, should any roots >20mm in diameter be discovered, they must be pruned by the projects arboriculturalist.
- ii) Prior to the casting of concrete, an impermeable membrane must be installed within the shuttering, to prevent chemical (cement) damage to any underlying roots.

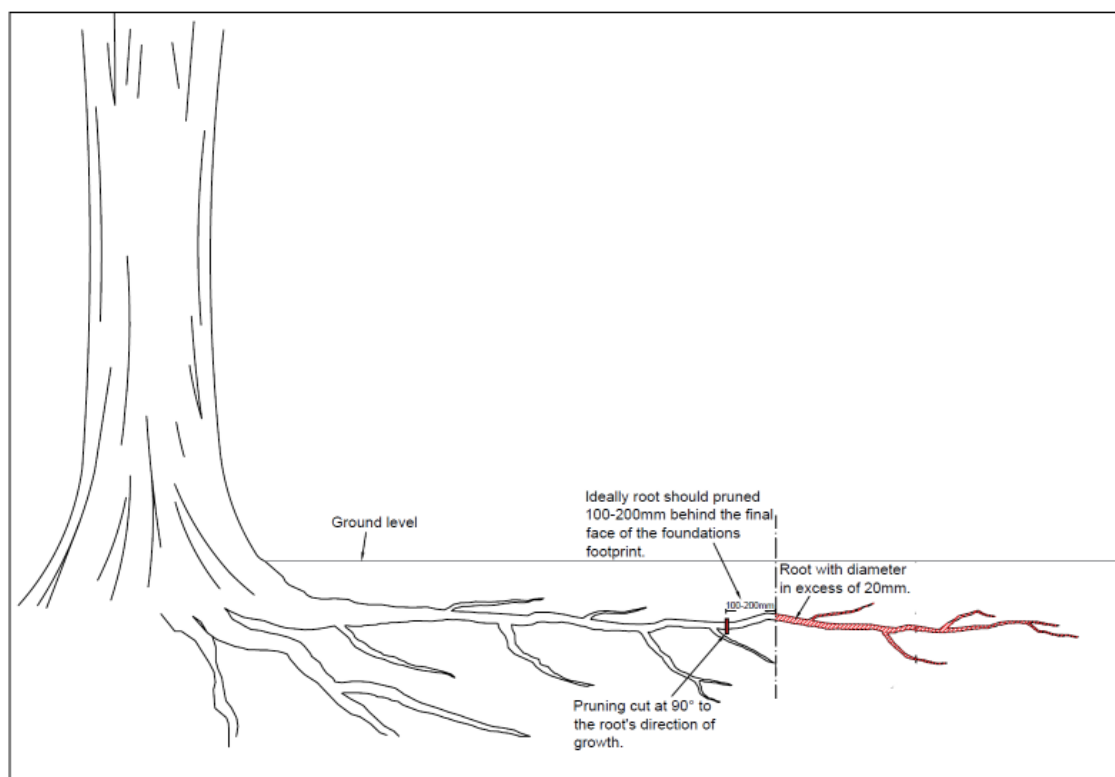


Figure 3 - Root pruning diagram

## AGN5 – INSTALLATION OF PILE & RAISED SLAB FOUNDATION

### OUTLINE

*The new garage will be based upon a pile and raised slab foundation.*

*This foundation type will require negligible levels of excavation (pile boring). The inclusion of a Dufaylite clay board void former beneath the slab will allow for continued gas exchange between the air and ground.*

*It should however be noted that the installation of the piles and slab have the potential to result in ground compaction and chemical damage to nearby roots.*

*To prevent damage to the roots of nearby trees, the following methodology must be used:*

### INSTALLATION METHODOLOGY

#### Installation of Piles

- i) When operating within the RPA of a retained tree, any machinery involved in the installation of the piles must be situated upon existing surfacing or ground protection matting.
- ii) While situated atop the surfacing/matting, the pile boreholes can be excavated.
- iii) Once excavated, an impermeable liner must be installed around the perimeter of the upper 1m of the borehole prior to the pouring of cement.
- iv) This activity must be done under the supervision of an arboriculturist.

#### Installation of Slab

- i) The ground protection matting within the footprint of the building may be carefully removed. Once removed, no vehicles or machinery are permitted to be present on the unprotected ground.
- ii) The Dufaylite clay board void former will be laid atop the existing ground level, and the floor's shuttering installed.
- iii) To prevent chemical damage to any underlying tree roots, an impermeable membrane will be laid within the shuttering.
- iv) The slab foundation will then be cast.

## AGN6 – INSTALLATION OF NEW FENCING WITHIN RPAS

### OUTLINE

*New fencing is to be installed within the RPAs of retained trees. To prevent damage to the root system of the trees the following considerations must be implemented:*

### INSTALLATION METHODOLOGY

- i) Installation of fence posts within the RPAs of retained trees must be undertaken with post holes being manually excavated. Furthermore, impermeable liners, such as heavy-duty plastic sacking, is to be installed prior to the pouring of concrete for the fixing of fenceposts (to prevent chemical damage to roots).
- ii) Positioning of fenceposts must avoid the severance of roots >20mm in diameter.

## 6 APPENDICES

### 6.1 APPENDICES

6.1.1 The following appendices should be used in conjunction with this document:

| No. | Appended Document                      |
|-----|----------------------------------------|
| 1   | Tree Protection Plan (P5515-TPP01 V2)  |
| 2   | CEZ Notice                             |
| 3   | Schedule of Arboricultural Supervision |

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# APPENDIX 1

## TREE PROTECTION PLAN

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Use of This Document

This document should be **viewed in conjunction with the relevant arboricultural method statement** and must be implemented as stated for the duration of the site's development. Failure to do so may result in a breach of planning, and damage to protected trees; potentially resulting in fines. Any queries regarding the trees on site should be addressed by Ligna Consultancy Ltd: 01284 598008 / info@lignaconsultancy.co.uk

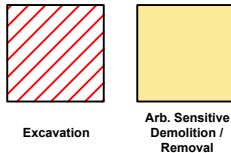
Root Protection Areas

The enforcement of root protection areas (RPAs) is vital for the successful retention of a site's trees during the development process. RPAs that are not covered by ground protection must not be subjected to the following activities unless otherwise stated within the Tree Protection Plan or Arboricultural Method Statement:

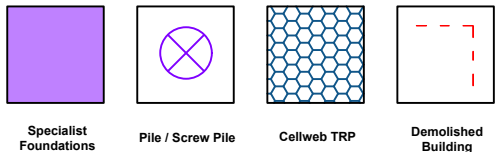
- materials storage
- pedestrian / vehicular movement
- excavation or soil level increase
- installation of new surfacing
- car parking
- mixing of cement
- any other infringement

Should any issues arise from the enforcement of root protection areas restricting necessary site works, the site manager should be informed, and the project's arboriculturalist contacted.

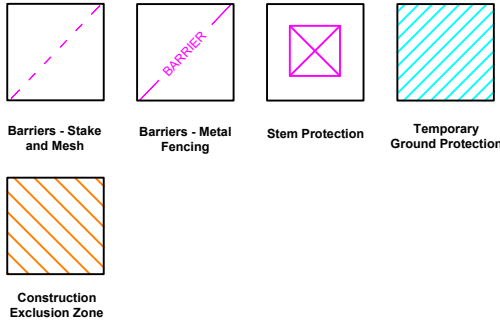
Incursions within RPAs



Specialist Foundations/Surfacing and Site Features



Tree Protection Measures (Refer to Technical Specification)



|                                          |            |                      |             |
|------------------------------------------|------------|----------------------|-------------|
| Project                                  |            | The Ruddyry          |             |
| Client                                   |            | Chris Middleton      |             |
| Drawing                                  |            | Tree Protection Plan |             |
| Drawing Ref.                             | Rev.       | Date:                |             |
| P5515-TPP01                              | V2         | 22/10/2025           |             |
| Scale:                                   | 1:300 - A2 |                      | Drawn By:   |
|                                          |            |                      | J. Sinclair |
| Based on:                                |            |                      |             |
| RUDDERY SITE PLANS SEPT 2025. 303-A1-03a |            |                      |             |

All dimensions should be checked on site. No dimensions to be scaled from this drawing. Please notify us of any discrepancies found. Ligna Consultancy Ltd cannot be held responsible for inaccuracies in the base drawing in which this plan is based. This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of retained trees.

An architect or structural engineer should be contacted over any matters of construction, detailing or specification and for any standards or regulatory requirements relating to proposed structures, hard surfacing or underground services.

This drawing was produced in colour - a monochrome copy should not be relied upon.

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# APPENDIX 2

## CEZ NOTICE

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# NO ENTRY



## CONSTRUCTION EXCLUSION ZONE

This area contains trees which must be protected as part of the planning permission. Additional legal protection may also apply e.g. a Tree Preservation Order.

Removing or damaging trees in this area may be a breach in planning permission. Damage to protected trees may lead to a criminal conviction and / or a fine.

Should any issues arrive regarding the tree protection or its layout, please contact Ligna Consultancy Ltd for advice:

info@lignaconsultancy.co.uk  
01284 598008

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# APPENDIX 3

## SCHEDULE OF SUPERVISION

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## APPENDIX 3 – SCHEDULE OF ARBORICULTURAL SUPERVISION

Date:

Planning Ref:

This statement is to confirm that ..... of ..... has undertaken the following supervision activities for the development at Project; ensuring that any deviation from the approved tree protection scheme is recorded and appropriate action is undertaken.

Liability for any failure of compliance will remain with the client.

### Arboricultural Sign-Off

The correct installation of the approved tree protection measures must be confirmed by the project's arboriculturalist in the table below. No further demolition or construction activities may occur until approval has been given by the project's arboriculturalist.

Failure to abide by the following schedule may result in a breach of planning. Any deviation from the agreed upon protection measures must be reported to the project arboriculturalist immediately.

| Activity                                                                        | Supervision Requirements     | Date | Protection Measures Compliant | Remedial Action Required |
|---------------------------------------------------------------------------------|------------------------------|------|-------------------------------|--------------------------|
| Pre-commencement site meeting                                                   | Remote supervision Suitable  |      |                               |                          |
| Sign-off of correct installation of tree protection measures (pre-construction) | Remote supervision Suitable  |      |                               |                          |
| Installation of No-Dig 3D Cellular Surfacing                                    | On-Site Supervision Required |      |                               |                          |
| Excavation for Foundations/ Subbase                                             | On-Site Supervision Required |      |                               |                          |
| Installation of Pile Foundations                                                | On-Site Supervision Required |      |                               |                          |
| Installation of Fencing                                                         | Remote supervision Suitable  |      |                               |                          |



W. [www.lignaconsultancy.co.uk](http://www.lignaconsultancy.co.uk)  
E. [info@lignaconsultancy.co.uk](mailto:info@lignaconsultancy.co.uk)  
T. 01284 598008

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