

**Elworthy Place, Taunton Road, Wiveliscombe,  
Somerset**

## **Arboricultural Method Statement**

**February 2020**

A report on behalf of Barratt Homes

Ref: 0935-AMS-SB

## Site details

Site Name	Elworthy Place, Taunton Road
Site Location	Wiveliscombe, Somerset
Central OS Grid Reference	ST 0876 2765
Client	Barratt Homes

## Quality Assurance

Report Title	Arboricultural Method Statement
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## 1 INTRODUCTION










This Arboricultural Method Statement for Elworthy Place, Taunton Road, Wiveliscombe, Somerset (central OS grid reference: ST 0876 2765) provides a methodology on how retained arboricultural features (and their rooting medium) will be protected during the construction process. The method statement was commissioned by Barratt Homes.












This method statement has been prepared and should be read in conjunction with the Arboricultural Impact Assessment (0935-AIA-SB). It has been prepared in accordance with BS5837:2012 'Trees in relation to design, demolition and construction – Recommendations' based on information available at the time of writing. The method statement includes the production of a Tree Protection Plan which can be found in **Appendix 1**.

This document should be retained on site as a reference document for the duration of the demolition and construction works. Failure to abide by this method statement could be considered a breach of planning and may result in enforcement action being taken by the local planning authority.

## 2 ARBORICULTURAL METHOD STATEMENT

Section	Work Phase	Relevant Arboricultural Feature(s)	Protection Measure/Methodology	Responsibility
1	Enabling	W5	<p><b>Initial Tree Works – Removals and Pruning</b></p> <ul style="list-style-type: none"> <li> All works to be carried out in accordance with the works specified in <b>Appendix 2</b> and following BS3998:2010 'Tree Works – Recommendations'.</li> <li> No bonfires are permitted within 5m of the canopy of any retained tree.</li> <li> Ground level vegetation and tree stumps should be removed using powered hand tools e.g. brush cutter and stump grinder if it is to be undertaken in the root protection areas of retained trees. Stump grinding should not penetrate further than 100mm below ground level and plant machinery should not be used to scrape vegetation or remove stumps in the root protection areas of retained trees.</li> </ul>	Contractor/ Arborist
2	Enabling	All Trees	<p><b>Tree Protection Fencing (TPF)</b></p> <ul style="list-style-type: none"> <li> All TPF should be installed in the locations as shown on the Tree Protection Plan in <b>Appendix 1</b> following completion of the initial tree works prior to the commencement of any groundworks, demolition or construction works on site.</li> <li> The specification for the TPF can be found in <b>Appendix 3</b>.</li> <li> Adequate signage denoting the importance of TPF should be affixed to the fencing. Example signage can be found in <b>Appendix 4</b>.</li> <li> The TPF will denote and form the boundary to the Construction Exclusion Zone (CEZ).</li> <li> Fencing to remain in place for duration of construction.</li> </ul>	Contractor with sign off from project arboriculturalist.

3	Enabling	All Trees	<p><b>Temporary Site Buildings and Materials Storage</b></p> <ul style="list-style-type: none"> <li> All buildings and materials shall be located outside of the CEZ as denoted by the TPF.</li> <li> Harmful chemicals/materials should be stored on an impermeable membrane and at a sufficient distance from the CEZ so that any potential spillages will not enter the root protection areas of retained trees.</li> <li> The location of site cabins and materials store should be agreed with the project arboriculturalist during the pre-commencement meeting.</li> </ul>	Contractor with sign off from project arboriculturalist.
4	Construction	W5	<p><b>Excavation in Root Protection Areas</b></p> <ul style="list-style-type: none"> <li> All excavation works within the RPAs should be undertaken under the supervision of the project arboriculturalist.</li> <li> Where possible, excavation should be undertaken by hand. The project arboriculturalist may provide guidance on the use of light plant machinery where feasible to do so.</li> <li> The project arboriculturalist will undertake root pruning and advise on any remedial measures if deemed necessary. All pruning shall be undertaken perpendicular to the root using sharp secateurs so to provide a clean cut and minimal wound area.</li> </ul>	Contractor with supervision from project arboriculturalist.
5	Construction	W5	<p><b>Construction of Pedestrian Walkway for LEAP</b></p> <ul style="list-style-type: none"> <li> The exact route of the path will be agreed in consultation with the project arboriculturalist and avoid un-necessary tree removal and allow sufficient space for future tree growth.</li> <li> The construction of the path will require access to the construction exclusion zone. No construction vehicles should be allowed passage in to the area marked as Construction Exclusion Zone (CEZ).</li> <li> The path will be construction above ground level, using tanalised timber edging boards, supported by wooden stakes.</li> </ul>	Contractor with supervision from project arboriculturalist.

			<ul style="list-style-type: none"> <li> The path surface will be constructed from a consolidated layer of woodchip mulch. All materials will be transported by hand and the use of pedestrian wheelbarrow.</li> </ul>	
6	Construction	W5	<p><b>Construction of Play Equipment within LEAP</b></p> <ul style="list-style-type: none"> <li> The exact location of the play equipment will be agreed in consultation with the project arboricultural, avoiding un-necessary tree removals and allow sufficient space to future tree growth.</li> <li> The play equipment will be constructed on a foundation of tanted timber posts.</li> <li> Once the location of the posts has been determined, the holes shall be dug by hand, any exposed roots will be severed using tree pruning tools, to leave a smooth cut surface.</li> <li> The holes will be backfilled with a mixture of compacted crushed stone and soil. Existing surface vegetation should be removed using hand-held tools.</li> <li> The play equipment will be constructed above ground level.</li> <li> Ground surface treatment will be undertaken in accordance with Section 7 of the AMS above.</li> </ul>	Review of services plan by project arboriculturalist.
7	Landscape		<p><b>Fencing within Root Protection Areas</b></p> <ul style="list-style-type: none"> <li> To be undertaken as final phase of development and will require access into the construction exclusion zone.</li> <li> Fencing should be of a post and rail design with gravel boards installed above ground level. Fencing where trenching is required is prohibited.</li> <li> The post holes shall be dug by hand and repositioned to accommodate any significant roots should they be encountered during excavation.</li> <li> If concrete is required to set the posts, then the holes should be sleeved with an impermeable material to prevent chemical damage to roots from</li> </ul>	Contractor

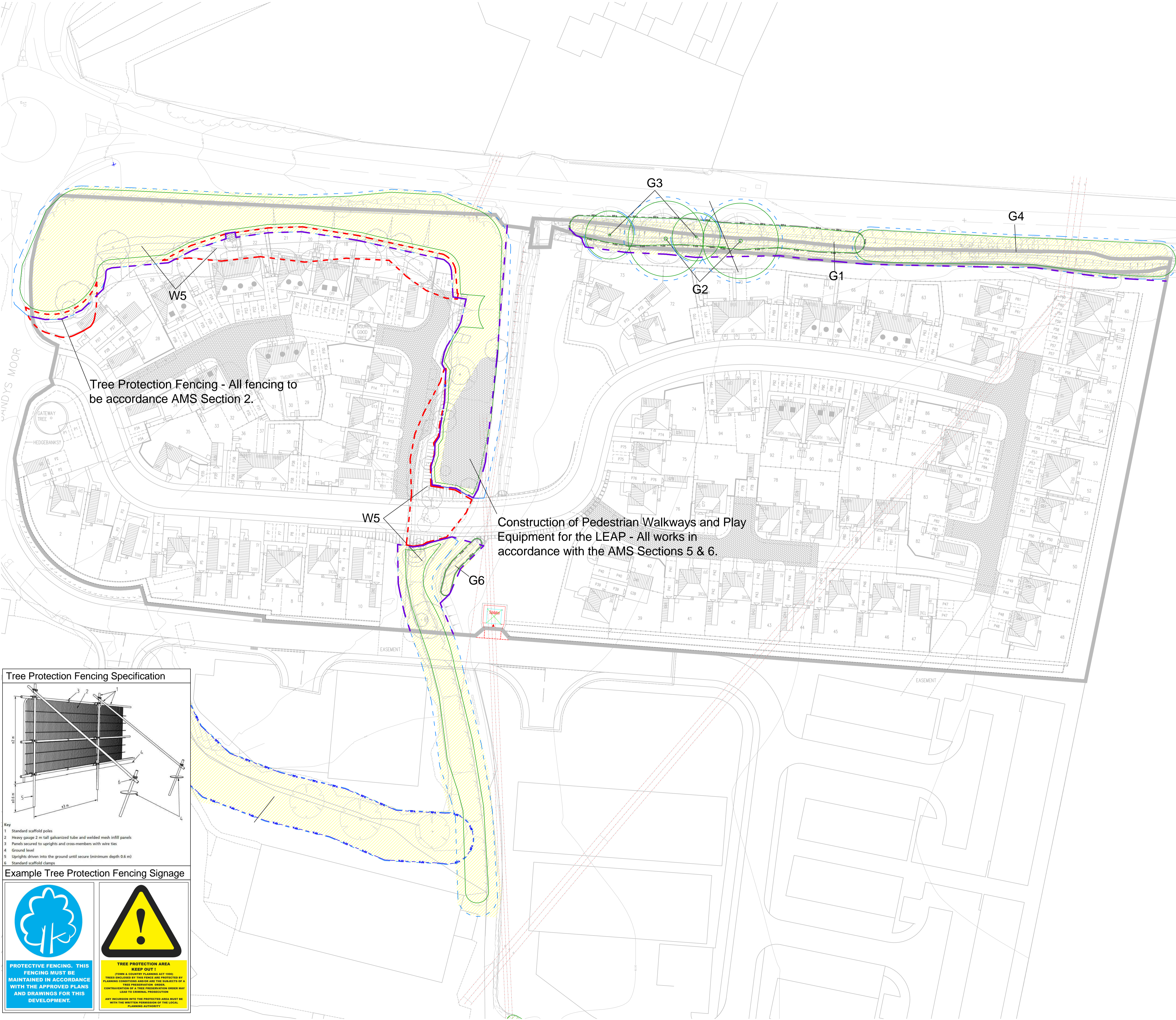
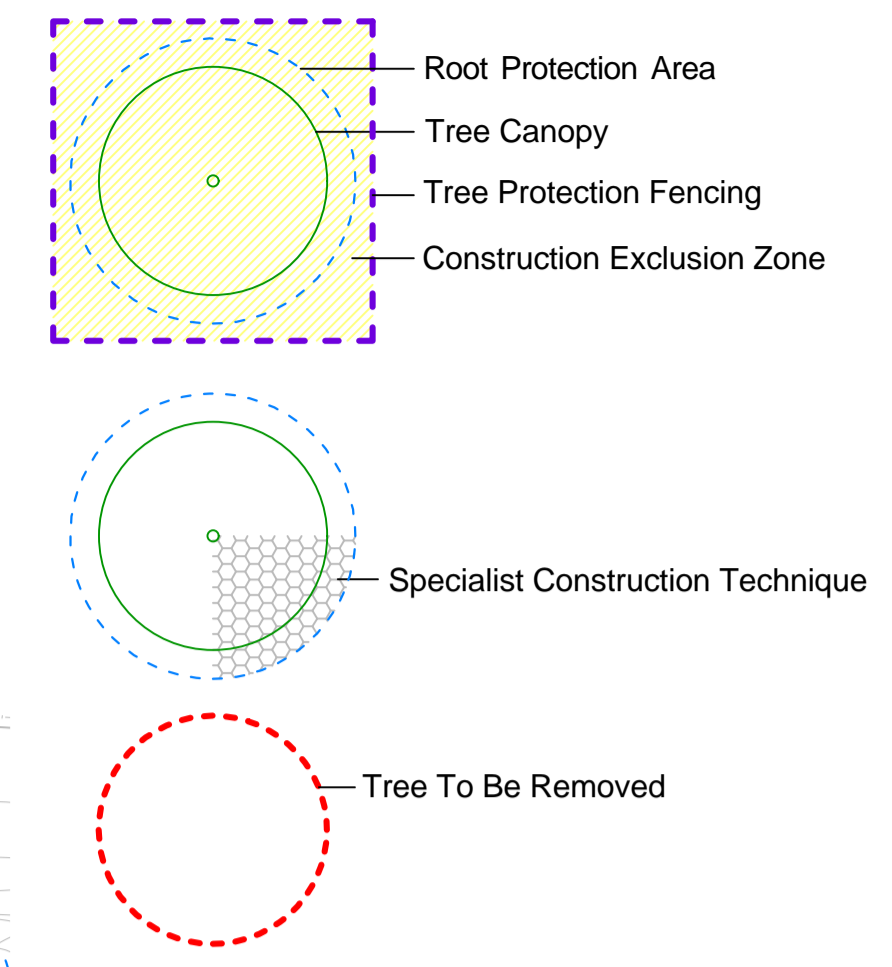
			<p>uncured cement.</p> <ul style="list-style-type: none"> <li>🌿 Scaffold boards should be used to transport fencing materials across the RPA to prevent compaction of the rooting medium.</li> </ul>	
8	Landscape	All trees	<p><b>Landscaping within Root Protection Areas</b></p> <ul style="list-style-type: none"> <li>🌿 To be undertaken as final phase of development.</li> <li>🌿 The soft landscape proposals have not been finalised at the time of writing but is likely to include turfing and plant/shrub planting.</li> <li>🌿 Where soil preparation is required, this should be done so by raking or light tilling. Use of rotavators is prohibited.</li> <li>🌿 Where top soil is imported it should not increase the ground level by 100mm to prevent root suffocation.</li> <li>🌿 Scaffold boards should be used to transport planting materials across the RPA to prevent compaction of the rooting medium.</li> <li>🌿 All planting pits should be dug by hand to accommodate the root and prevent their damage/severance.</li> </ul>	Contractor
9	Construction		<p><b>Installation of Services within Root Protection Areas</b></p> <ul style="list-style-type: none"> <li>🌿 No services plans were provided at the time of writing.</li> <li>🌿 When available, the service plans should be reviewed by the project arboriculturalist.</li> <li>🌿 All services should be installed outside of the RPA of retained trees. Where this is not possible, the project arboriculturalist shall provide a methodology for their installation in accordance with NJUG Vol. 4 'Guidelines For The Planning, Installation And Maintenance Of Utility Apparatus In Proximity To Trees' and BS5837:2012.</li> </ul>	Review of services plan by project arboriculturalist.
10	All	All trees	<b>Unpredictable Tree Impacts</b>	Contractor



			<p>🌳 If, during demolition and/or construction damage is inadvertently caused to the retained trees, the project arboriculturalist should be contacted immediately. The arboriculturalist will be able to assess the impact of the damage and prescribe remedial measures where necessary.</p> <p>🌳 Inadvertent damage includes significant root severance (roots in excess of 25mm diameter or densely matted fibrous roots), direct strikes to tree stem/limb, chemical spillages in RPA and fire damage.</p>	
11	All	All trees	<p><b>Site Monitoring</b></p> <p>🌳 The project arboriculturalist will undertake regular site visits during the demolition and construction phases of development to ensure that the arboricultural features on site are protected in accordance with this arboricultural method statement.</p> <p>🌳 The visits should include but not be limited to:</p> <ul style="list-style-type: none"> <li>○ A pre-commencement meeting to discuss the tree protection methodology, the phasing of works and the location of contractor facilities and materials storage areas.</li> <li>○ A further pre-commencement meeting to certify the location and specification of the tree protection fencing (and other tree protection measures, if required).</li> <li>○ To agree the location of play equipment and pedestrian walkways within the Woodland W5.</li> <li>○ In addition to the above, a monitoring regime should also be established by the project arboriculturalist with the frequency of visits discussed during the pre-commencement meeting and agreed with the local authority arboricultural officer. A fully auditable site monitoring log should be prepared following each visit, a copy of which should be retained on site and provided to the local authority arboricultural officer on request.</li> </ul>	Project arboriculturalist following appointment by contractor.

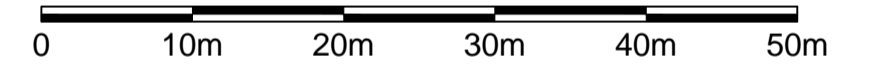
## Appendix 1 – Tree Protection Plan

**Key:**



Tree Protection Fencing - All fencing to be accordance AMS Section 2.

Construction of Pedestrian Walkways and Play Equipment for the LEAP - All works in accordance with the AMS Sections 5 & 6.



Scale @ A1: 1:500

Drawing should be viewed in colour.  
Location of trees suffixed with PA (position approximate) have been estimated on site.

**Drawing Title:**  
Tree Protection Plan

**Project:**  
Elworthy Place, Wiveliscombe

**Client:**  
Barratt David Wilson Homes

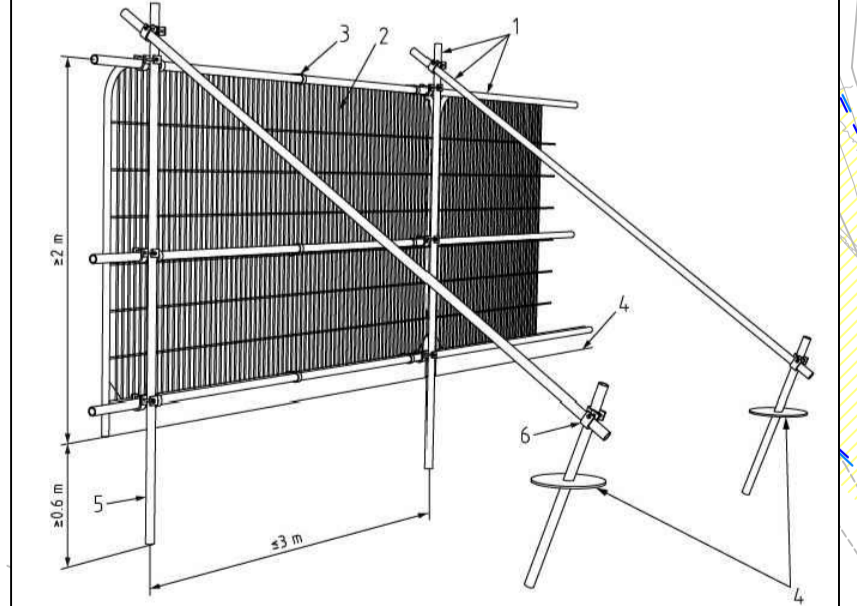
**Date:**  
27/02/2020

**Drawn:**  
SB

**Drawing Number:**  
0935-TPP-SB

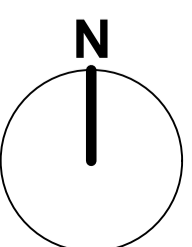
**Revision:**  
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**Tree Protection Fencing Specification**



- 1 Standard scaffold poles
- 2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
- 3 Panels secured to uprights and cross-members with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
- 6 Standard scaffold clamps

**Example Tree Protection Fencing Signage**



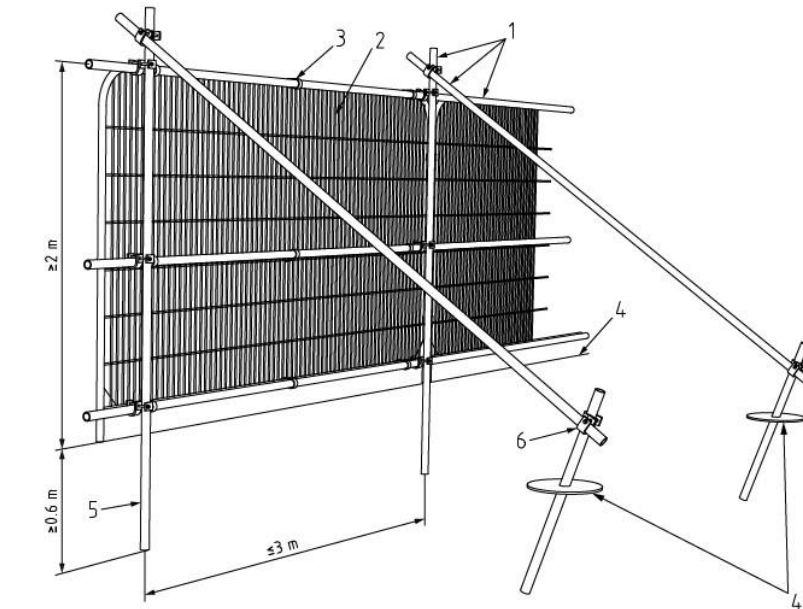
## Appendix 2 – Tree Works Specification

Arboricultural Feature	Species	Works Required
W5	Mixed species woodland.	<p>Fell all Poplar</p> <p>2m crown radius and height reduction, adjacent to areas of tree removal (<i>Create wind firm edge, reduce likelihood of tree failure</i>)</p> <p>Crown lift:</p> <ul style="list-style-type: none"> <li>i) 5.4m over access road (<i>Highway clearance</i>)</li> <li>ii) 2.4m over footpath (<i>Pedestrian clearance</i>)</li> <li>iii) 3m over private gardens (<i>Allow reasonable use of outside amenity space</i>)</li> </ul>
G2	Oak	Crown lift to 3m over private gardens ( <i>allow reasonable use of outside amenity space</i> ).

All works to be carried out in accordance with BS3988:2010 'Tree Work – Recommendations'

All trees should be checked for protected species e.g. roosting bats and nesting birds prior to any works being undertaken.

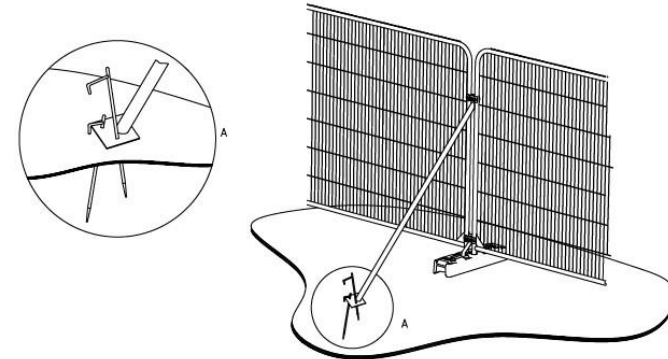
### Appendix 3 – Tree Protection Fencing Specification



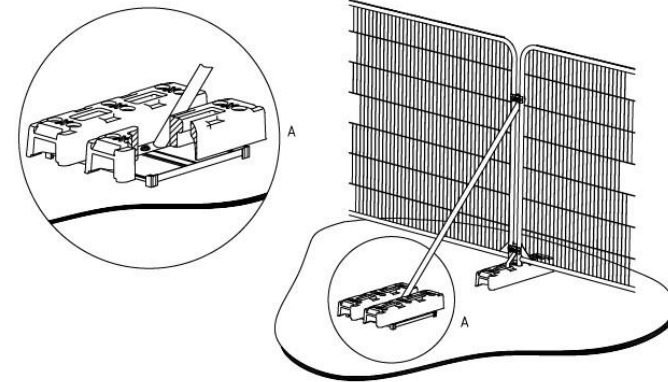
**Key**

- 1 Standard scaffold poles
- 2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
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- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
- 6 Standard scaffold clamps

Default Specification



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

Above-ground Stabilising System

(Images extracted from BS5837:2012 'Trees in relation to design, demolition and construction – Recommendations')

#### Appendix 4 – Example Tree Protection Fencing Signage



