TREE CONSULTANTS

ARBORICULTURAL METHOD STATEMENT

to BS 5837:2012 at:

Hall Gardens,
Brierley,
Barnsley,
South Yorkshire
S72 9FF

This document describes how the trees will be protected and managed during the development of this site. It explains how and when the protection measures must be installed and maintained throughout the development.

A copy of this document report must be permanently available on site for the duration of all development activity and should be referenced for practical guidance on how to protect the retained trees at this site.

Prepared for: *FDA Landscape Ltd*

Date: *February 2022*

Reference: *AWA4212*

Application Reference Number: *2021/1388*

Institute of Chartered Foresters
Registered Consultant

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1. Introduction

1.1 Instruction

1.1.1 We have been instructed by FDA Landscape Limited to prepare an arboricultural method statement for the proposed development at:

- **Hall Gardens, Brierley, Barnsley, South Yorkshire S72 9FF**

1.2 Purpose

1.2.1 This method statement has been prepared in order to allow the development operations at this site to continue while minimising or mitigating risk of adverse impact on the trees to be retained.

1.2.2 This method statement conforms to BS 5837:2012 *Trees in relation to design, demolition and construction - Recommendations*. It is based on the arboricultural data, collected at a site visit during November 2019 and November 2020, and a site visit on 9th February 2022, detailed within Appendix 4 of this report.

1.3 Description of Development

1.3.1 Residential development of 36 no. dwellings and associated works including associated garages and parking.

1.3.2 The proposed development layout has been provided by my client and is the basis for the Tree Protection Plan (TPP) at Appendix 5.

1.4 Details

1.4.1 Planning consent is subject to this method statement being agreed upon by the Local Planning Authority. The contents of this report must be adhered to during and after the construction phase.

1.4.2 Development operations are currently ongoing at the site. This arboricultural method statement details tree protection measures which are in place and additional measures that are required to minimise any negative impact to the trees.

2. Method Statement Timeline

2.1 Overview of Sequence of Operations

2.1.1 In overview, it is necessary to undertake the following sequence of operations in relation to arboricultural input for development operations.

1 Method Statement actions approved by the LPA.

2 Amend tree protective fencing.

3 Meeting/confirm tree protection is as specified.

4 Continue construction of new development.

5 Undertake approved tree pruning

6 Removal of tree protection.

7 Undertake additional tree/soil management/mitigation.

2.1.2 The sequence of operations must be adhered to in order to discharge the arboricultural method statement planning condition for this site.

2.1.3 The precise timing and order of some of the development operations may need to be changed due to site specific operational requirements, yet any operations that may affect the trees on the site must be done so under arboricultural supervision by a suitably qualified person appointed by the contractor.

3. Tree Protection and Actions

3.1 Tree T1






Issues: Fencing not protecting all RPA. Heras fencing unsecured. Topsoil stored to south. New road built to N/W, some minor root damage.

Immediate actions to be taken: Carefully move topsoil stored within RPA. Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.

Subsequent actions to be taken: Undertake soil improvement works as part of landscaping operations - once all plant has left site and main works are complete

3.2 Trees T2 to G4 and G6



Issues: Secured plastic mesh fencing in place around G3 and G4.

Immediate actions to be taken: No action required

Subsequent actions to be taken: No action required

3.3 Tree T5





Issues: Fencing not protecting all RPA yet is fit for purpose.

Heras fencing unsecured. Sign on fencing.

Immediate actions to be taken: Fencing panels to be supported by stabilizer struts.

Subsequent actions to be taken: Undertake pruning. Cut back lower crown by maximum of 2m, specifically to area around rear of Plot 34. Crown lifting to 3m high, only removing third order branches <10cm diameter.

3.4 Tree T7



Issues: Fencing covers most of RPA and is fit for purpose.

Heras fencing unsecured. Sign on fencing.

Immediate actions to be taken: Fencing panels to be supported by stabilizer struts.

Subsequent actions to be taken: Crown lifting to 3m high, only removing third order branches <10cm diameter. Remove old Crown lifting to 3m high, only removing third stubs back to stem

3.5 Tree T9 and T10





Issues: Fencing not protecting all RPA yet is fit for purpose.

Heras fencing unsecured.

Ash dieback

Immediate actions to be taken: Fencing panels to be supported by stabilizer struts. Affix signs to fencing.

Assess ownership of T10

Subsequent actions to be taken: Undertake pruning to T9. Reduce height by approx. 6m to 8m and remove significant deadwood. T10: assess ownership. Advised to remove significant deadwood.

3.6 Tree T15 to T17





Issues: Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to south Heras fencing unsecured.

Immediate actions to be taken: Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.

Subsequent actions to be taken: Undertake approved pruning. Undertake soil improvement works as part of landscaping operations – once all plant has left site and main works are complete.

3.7 Tree G19



Issues: Adjacent small trees. Boundary wall yet no fencing to protect crown overhang.

Immediate actions to be taken: Install plastic mesh fencing

Subsequent actions to be taken: No action required

3.8 Tree T22





Issues: Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to edge of RPA. Heras fencing unsecured.

Immediate actions to be taken: Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.

Subsequent actions to be taken: Undertake approved pruning.

Undertake soil improvement works as part of landscaping operations – once all plant has left site and main works are complete.

3.9 Tree T24





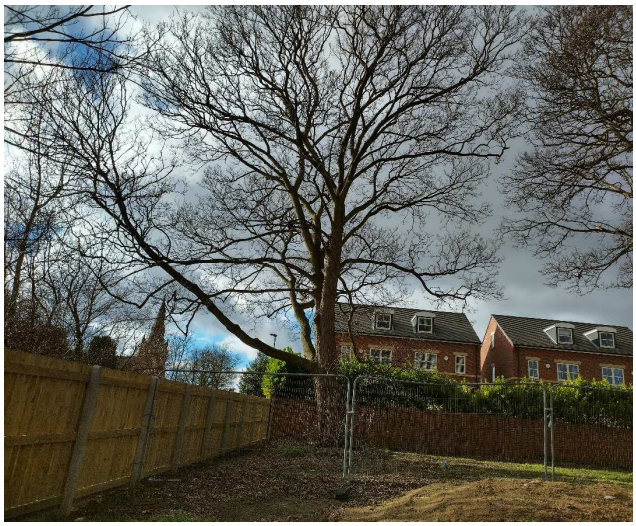
Issues: Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to edge of RPA. Heras fencing unsecured.

Immediate actions to be taken: Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.

Subsequent actions to be taken: Undertake soil improvement works as part of landscaping operations – once all plant has left site and main works are complete.

3.10 Tree T30 to T33





Issues: Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to edge of RPA. Heras fencing unsecured.

Immediate actions to be taken: Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.

Subsequent actions to be taken: Undertake approved pruning.

3.11 Tree G42 to G47 and G50



Issues: Heras fencing unsecured yet is fit for purpose

Immediate actions to be taken: No action required

Subsequent actions to be taken: Undertake approved pruning works.

4. Tree Protection

4.1 Tree Protection Fencing

4.1.1 The protective fencing for this site should be adjusted as shown on the Tree Protection Plan (TPP) at Appendix 5 (as illustrated with a thick purple or pink line).

4.1.2 The precise fencing location may need to be slightly adjusted on site due to local site conditions but is not expected to differ from that shown on the TPP. The final fencing position must be agreed on by the LPA.

4.1.3 The tree protective fencing details should be incorporated into relevant subsequent plans, method statements used for design purposes and construction drawings issued for use on site, to ensure that all interested parties are fully aware of the areas in which access and works may and may not take place.

4.1.4 The protective fencing will be appropriate to the degree and proximity of likely construction works. In this instance, a mix of secured 'Heras' type fencing of welded mesh panels and plastic mesh fencing will be used.

4.1.5 The fencing panels will be supported on the inner side by stabilizer struts, which should normally be attached to a base plate secured with ground pins or mounted on a block tray (see Appendix 1 for an example).

4.1.6 The area enclosed by the fencing is referred to as the Construction Exclusion Zone (CEZ); this area should be considered a restricted area. No pedestrians, vehicles, storage of materials, equipment or machinery should be allowed within the CEZ unless specified in this method statement. The site manager must ensure that all personnel are aware of the restrictions that apply to the fenced-off area.

4.1.7 Once the fencing is erected, waterproof warning signs labelled 'Tree Protection Area' should be placed at 6m intervals to ensure that all personnel are aware of the restrictions that apply to the fenced-off area (see Appendix 1 for an example sign).

4.1.8 The protective fencing should be inspected for faults or damage by the

site manager or other responsible named person on a regular basis and a written record kept. Any faults or defects should be repaired or replaced as soon as is reasonably practicable. The Tree Protection Fencing shall not be removed, breached or altered without prior written authorisation from the local planning authority and under arboricultural supervision by a suitable named responsible individual appointed by the site manager.

4.2 New Hard Surfaces

4.2.1 New hard surfaces, in the form of footpaths (T22), are proposed within the RPA of the retained trees.

4.2.2 The works within the RPA should not adversely impact on the health or future condition of the trees provided a 'no-dig' method of construction is utilised in accordance with the specifications given below.

4.2.3 The design and construction of the hard surfaces needs to be sensitive to the requirements of tree roots, substantial enough to withstand the expected levels of traffic and practicable in terms of ease of fabrication.

4.2.4 The finished surface must be porous in order to allow air and water to reach the tree roots, whilst at the same time being able to withstand the load applied. Toxic substances which could leach into the ground must be avoided. Severance of roots and soil compaction should be avoided. Any minor excavations in these areas to remove the existing surface vegetation/turf layer must be done so using hand tools only and under arboricultural supervision.

4.2.5 We are not qualified to recommend any particular construction method in terms of durability or structural integrity and any proposed construction method should be approved by a qualified structural engineer prior to implementation. Appropriate sub-base options for new hard surfacing include three-dimensional cellular confinement system, such as those provided by Geosynthetics Limited (http://www.geosyn.co.uk).

4.2.6 The construction of the no-dig hard surfaces, within the RPA of the retained trees must be done under arboricultural supervision and a written record kept at Appendix 3.

4.3 New Boundary Fencing

4.3.1 New boundary fencing is proposed within the RPA of the trees and groups. The encroachment into the trees' RPA should not significantly adversely impact on the health or future condition of the trees, provided care is taken during the construction to avoid root damage, including the use of posts and panels or pile and beam type footings as opposed to strip footings.

4.3.2 The foundations for the fences are to be built using posts and panels or mini-pile and beam type foundations so as to minimise any root damage to the retained trees. The rooting activity at the point where the piles are proposed should be investigated by hand excavation.

4.4 Drainage and Utilities

4.4.1 Drainage and utilities are to be directed away from the retained trees. Over-ground services should ideally be routed away from areas where they are likely to interfere with the crowns of mature trees.

4.4.2 New underground services should be grouped together and routed away from RPAs. NJUG 10: Guidelines for the Planning, Installation and Maintenance of Utility Services in Proximity to Trees should be considered when installing services.

4.5 Additional Precautions

4.5.1 Allowance should be made for operations outside of the CEZ that could indirectly impact on trees. Including space for site huts, temporary toilet facilities (including their drainage) and other temporary structures; and space for storing (whether temporary or long-term) materials.

4.5.2 Care must be taken to prevent contamination with chemical spillages, including petrol, diesel and oils. Cement mixers and any other toxic materials should not be permitted within the RPA of the trees. Any materials whose accidental spillage would cause damage to a tree should be stored and handled well away from the outer edge of its RPA.

4.5.3 Fires on the site should be avoided if possible. Where they are unavoidable, and approved by the Local environmental health

authority, they should not be lit in a position where heat could affect foliage or branches. The potential size of a fire and the wind direction should be considered when determining its location, and it should be attended always until safe enough to leave.

5. Tree Management

5.1 Tree Works

5.1.1 Tree works have been detailed within appendix 4 of the report.

5.1.2 The trees requiring removal are highlighted in red on the plan at Appendix 5 and as detailed in the tree data schedule at Appendix 4.

5.1.3 All tree work should be carried out according to British Standard 3998:2010 Tree Work - Recommendations.

5.1.4 When appointing a tree surgeon, only properly qualified and experienced companies should be used, who have adequate Public Liability and Employer's Liability Insurance.

5.2 Post Construction Mitigation

5.2.1 Ground disturbance has taken place within the RPA of T1, T5, T14, T15, T17, T22, T24, and T30 to T33 as part of construction works.

5.2.2 Soil Improvement Mitigation will be undertaken around the impacted trees.

5.2.3 Where it is planned to reseed the area around the trees with grass or other soft landscaping, as part of these soft landscaping works, actions are to be undertaken to mitigate for ground disturbance/ ground compaction and to improve the soil conditions around the trees.

5.2.4 It is recommended that, as part of the Soft Landscaping operations, Carbon Gold Biochar Tree Soil Improver, is incorporated into the topsoil. Biochar Tree Soil Improver is a compost or soil additive known to boost tree health and vitality by improving the structure, aeration and water holding capacity of the soil, which helps defend against the associated physiological stress of soil compaction.

5.2.5 Biochar Tree Soil Improver is to be included at 45kg per m3 of topsoil and applied over all undeveloped areas of RPAs of T1, T5, T14, T15, T17, T22, T24, and T30 to T33.

5.2.6 As part of any Soft Landscaping Works, care must be taken when undertaking these operations not to make ground compaction worse, and not to scarify the soil at a depth that may damage tree roots (refer to section 5.3).

5.2.7 The Soil Improvement Mitigation must be done under arboricultural supervision and a written record kept at Appendix 3.

5.3 Post Construction Landscaping

5.3.1 Many of the trees on site may be subject to some form of landscaping or seeding beneath their canopies after the development phase. At this stage the protective fencing will have been removed and the property may be occupied.

5.3.2 Landscaping works should be carried out in such a way as to avoid ground level changes or deep digging. Tractor mounted rotovation or other mechanised cultivation methods must not be used.

5.3.3 No heavy machinery should be brought into the vicinity of retained trees.

5.3.4 Herbicides should be appropriate for the purpose and should not be used in such a way as to damage any retained trees or vegetation.

6. Signature

I trust this report provides all the required information.

Signed



.....

Adam Winson
Chartered Arboriculturist, MSc, BSc (Hons), MICFor, AIEEM.

22nd February 2022

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Appendix 1: Images and Figures

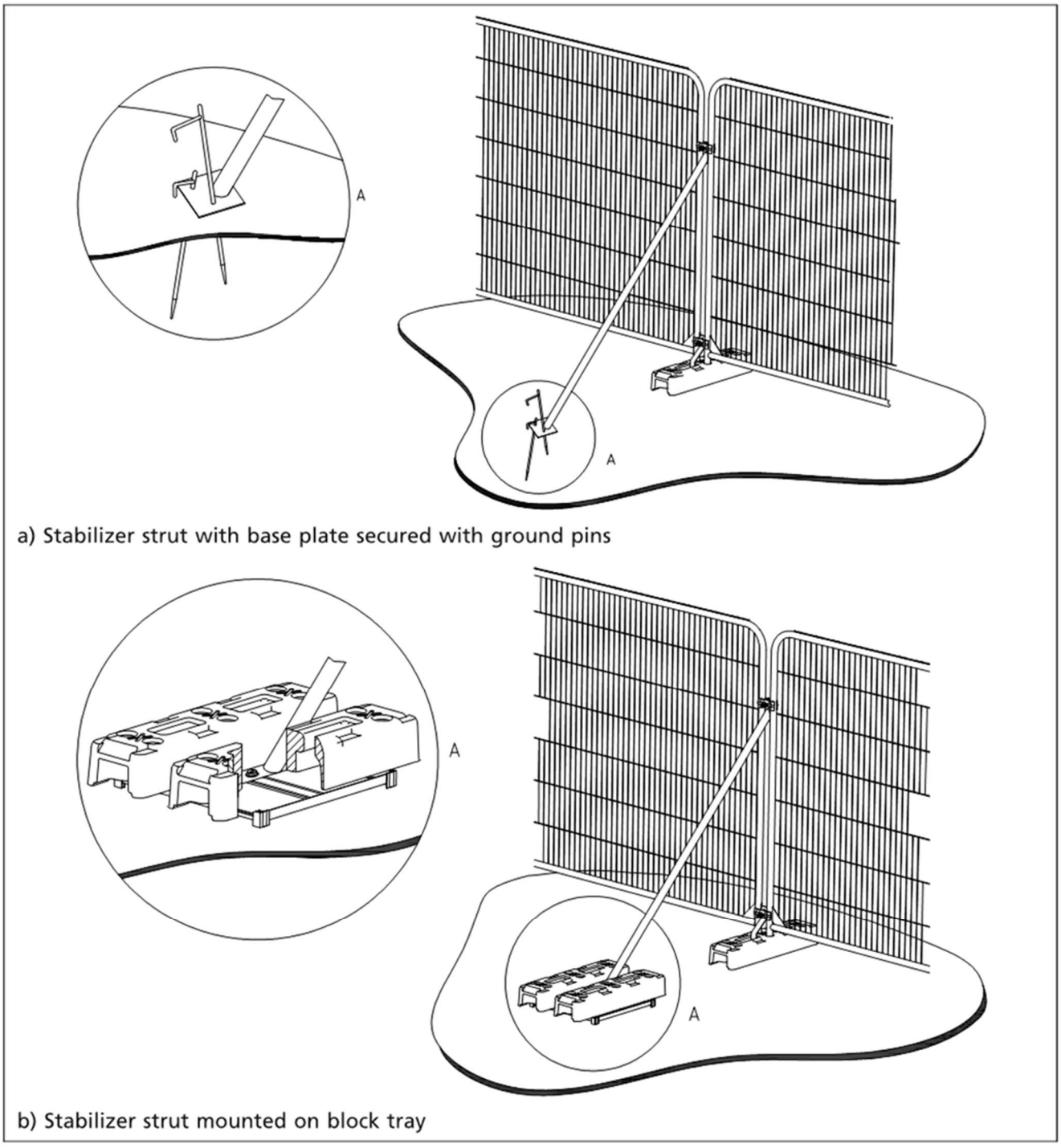


Figure 1: Secured 'Heras' type fencing with stabilizing system and fixed central pins (©BSI)



Figure 2: Secured 'Heras' type fencing with stabilizing system and anti-tamper couplers



Figure 3: Anti-tamper couplers to secure fencing and avoid unauthorised access



Figure 4: Warning sign for fencing



Figure 5: Example of A3 Correx Tree Protection Warning Sign fixed to fencing panel



Figure 8: Plastic mesh fencing secured with heavy duty metal stakes



Figure 9: Biochar Tree Soil Improver is included at 45kg per m3 of topsoil.

Appendix 2: Relevant Contact Details

Contact Name	Organisation/ Details	Contact Number	Contact E-mail
Sue Farmer	FDA Landscape Ltd	01484 861 611	sue@fdalandscape.co.uk
Adam Winson	AWA Tree Consultants Ltd	0114 272 1124	info@awatrees.com
Edward Jowett	Barnsley Tree Officer Development Management	01226 772 557	edwardjowett@barnsley.co.uk

Appendix 3: Record of Arboricultural Supervision

Required Site Visits	
Name of Site Inspector/ Arboricultural Consultant	
Supervision Stages	**Comments/ Required Actions**
Site visit 1: Inspect the adjusted tree protective fencing. Confirm tree protection completed to the standard specified in this method statement.	***Signed and Dated***
Site visit 2: Supervision of contractors during construction hard-surface footpath within RPA of retained tree T22	***Signed and Dated***
Site visit 3 Supervise Soil Improvement Mitigation works	***Signed and Dated***
Additional Comments/ Required Actions:	

Additional Comments/ Required Actions:

Signed and Dated

TREE DATA

	Tree Species		Measurements				Comments and Actions		
Tree ID	*Common Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Category*	*AW comments from site visit 09-02-22*	*Immediate actions to be taken*	*Subsequent actions to be taken*
T1	Oak	Mature	17	1	1180	**A**	Fencing not protecting all RPA. Heras fencing unsecured. Topsoil stored to south. New road built to N/W, some minor root damage.	Carefully move topsoil stored within RPA. Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Undertake soil improvement works as part of landscaping operations - once all plant has left site and main works are complete.
T2	Elder	Early-mature	4.5	7	100 avg	**C**	Tree/shrub has been cut back to boundary and remaining stem can be retained.	No action required	
G3	Holly	Semi-mature	6	10+	140 avg	**C**	Secured plastic mesh fencing in place	No action required	
G4	Holly	Semi-mature	6	10+	140 avg	**C**	Secured plastic mesh fencing in place	No action required	
T5	Beech	Mature	14	1	1090	**A**	Fencing not protecting all RPA yet is fit for purpose. Heras fencing unsecured.	Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Undertake pruning. Cut back lower crown by maximum of 2m, specifically to area around rear of Plot 34 Crown lifting to 3m high, only removing third order branches <10cm diameter. Undertake soil improvement works as part of landscaping operations - once all plant has left site and main
G6	Hawthorn	Semi-mature	1.5	10+	70 avg	**C**	Secured plastic mesh fencing in place	No action required	
T7	Oak	Early-mature	11	1	430	**B**	Fencing covers most of RPA yet is fit for purpose. Heras fencing unsecured.	Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Crown lifting to 3m high, only removing third order branches <10cm diameter. Remove old stubs back to stem
T8	Walnut	Early-mature	9	1	500	**C**	Removed		
T9	Ash	Mature	20	1	1030	**C**	Fencing not protecting all RPA yet is fit for purpose. Heras fencing unsecured. Ash dieback	Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Reduce height by approx. 6m to 8m and remove significant deadwood.

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	Tree Species		Measurements				Comments and Actions		
Tree ID	*Common Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Category*	*AW comments from site visit 09-02-22*	*Immediate actions to be taken*	*Subsequent actions to be taken*
T10	Ash	Mature	17	1	720	**C**	Adjacent tree?	No action required	Advised to remove significant deadwood
G11	Hawthorn	Semi-mature	1.5	10+	70 avg	**C**	Wooden panel boundary fencing in place. Shrubs pruned back.	No action required	
G12	Holly	Semi-mature	2	10+	100 avg	**C**	Wooden panel boundary fencing in place. Shrubs pruned back.	No action required	
T13	Hawthorn	Early-mature	7.5	2	260, 220	**C**	Wooden panel boundary fencing in place. Shrubs pruned back.	No action required	
T14	Sycamore	Early-mature	13	1	670	**B**	Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to south	Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Crown lift to 3.5m Remove deadwood. Undertake soil improvement works as part of landscaping operations - once all plant has left site and main works are complete.
T15	Sycamore	Mature	15	1	840	**B**	Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to south	Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Remove deadwood. Undertake soil improvement works as part of landscaping operations - once all plant has left site and main works are complete.
T16	Hawthorn	Early-mature	7	1	310	**C**	Heras fencing unsecured.	Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Undertake soil improvement works as part of landscaping operations - once all plant has left site and main works are complete.
T17	Lime	Mature	15	1	730	**B**	Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to south	Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Thin suckers from central crown. Remove deadwood. Undertake soil improvement works as part of landscaping operations - once all plant has left site and main works are complete.

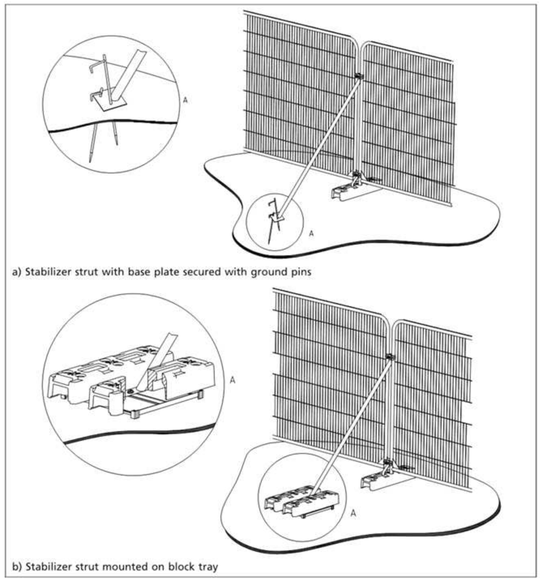
	Tree Species		Measurements				Comments and Actions		
Tree ID	*Common Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Category*	*AW comments from site visit 09-02-22*	*Immediate actions to be taken*	*Subsequent actions to be taken*
T18	Sycamore	Mature	17	1	830	**C**	Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to south	If tree is retained: Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	If tree is retained: Thin suckers from central crown. Remove deadwood. Undertake soil improvement works as part of landscaping operations - once all plant has left site and main works are complete.
G19	Cherry	Semi-mature	5	10+	110 avg	**C**	Adjacent small trees. Boundary wall yet no fencing to protect crown overhang.	Install plastic mesh fencing.	
T20	Horse Chestnut	Mature	16	1	1100	**U**	Removed		
T21	Hawthorn	Early-mature	12	2	330, 320	**C**	Removed		
T22	Oak	Mature	17	1	1130	**A**	Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to edge of RPA	Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Thin suckers from central crown. Remove deadwood. Undertake soil improvement works as part of landscaping operations - once all plant has left site and main works are complete.
T23	Horse Chestnut	Mature	14	1	1030	**C**	Removed		
T24	Sycamore	Mature	14	1	750	**B**	Fencing not protecting all RPA. Heras fencing unsecured. Ground disturbance to edge of RPA	Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Undertake soil improvement works as part of landscaping operations - once all plant has left site and main works are complete.
G25	Sycamore	Semi-mature	7	8	110 avg	**C**	Removed		

	Tree Species		Measurements				Comments and Actions		
Tree ID	*Common Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Category*	*AW comments from site visit 09-02-22*	*Immediate actions to be taken*	*Subsequent actions to be taken*
T26	Lime	Mature	17	1	960	**B**	Removed		
T27	Horse Chestnut	Early-mature	13	1	700	**C**	Removed		
T28	Elder	Semi-mature	6	8	70 avg	**C**	Removed		
T29	Sycamore	Semi-mature	8	1	130	**C**	Removed		
T30	Sycamore	Early-mature	13	1	490	**B**	Fencing not protecting all RPA. Heras fencing unsecured.	Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Crown lifting to 3.5m
T31	Sycamore	Mature	16	1	620	**B**	Fencing not protecting all RPA. Heras fencing unsecured.	Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Crown lifting to 3.5m Limb extending to North to be cut back 2m to reduce weight and appearance
T32	Sycamore	Mature	16	1	760	**B**	Fencing not protecting all RPA. Heras fencing unsecured.	Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Crown lift to 3.5m
T33	Sycamore	Mature	16	1	810	**U**	Fencing not protecting all RPA. Heras fencing unsecured.	Move/adjust tree fencing to protect more RPA. Fencing panels to be supported by stabilizer struts. Affix signs to fencing.	Tree to be retained. Limbs extending over foot path and south to be cut back 3m
G34	Cherry Laurel, Elder, Hawthorn, Holly, Norway Maple	Semi-mature	3	10+	50 avg	**C**	Heras fencing unsecured yet is fit for purpose.	No action required	Continue regular management
T35	Sycamore	Semi-mature	15	1	300	**C**	Adjacent tree, beyond new wooden fencing	No action required	

	Tree Species		Measurements				Comments and Actions		
Tree ID	*Common Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Category*	*AW comments from site visit 09-02-22*	*Immediate actions to be taken*	*Subsequent actions to be taken*
T36	Sycamore	Semi-mature	15	1	240	**C**	Adjacent tree, beyond new wooden fencing	No action required	
T37	Sycamore	Semi-mature	15	1	260	**C**	Adjacent tree, beyond new wooden fencing	No action required	
T38	Sycamore	Semi-mature	15	1	310	**C**	Adjacent tree, beyond new wooden fencing	No action required	
T39	Sycamore	Semi-mature	12	2	270, 180	**C**	Removed	No action required	
T40	Sycamore	Semi-mature	11	3	150, 90, 80	**C**	Removed	No action required	
T41	Sycamore	Semi-mature	9	2	200, 90	**C**	Removed	No action required	
G42	Hawthorn	Semi-mature	6.5	10+	80 avg	**C**	Heras fencing unsecured yet is fit for purpose.	No action required	Prune back into smaller, more managed form and remove small section at north east of group, to facilitate development
T43	Sycamore	Mature	16	3	440, 420, 360	**B**	Heras fencing unsecured yet is fit for purpose.	No action required	Crown lift to 3m
T44	Sycamore	Early-mature	15	2	310, 280	**C**	Heras fencing unsecured yet is fit for purpose.	No action required	Crown lift to 3m
T45	Hawthorn	Mature	13	1	550	**B**	Heras fencing unsecured yet is fit for purpose.	No action required	Crown lift to 2m
G46	Cherry Laurel	Semi-mature	4.5	10+	90 avg	**C**	Heras fencing unsecured yet is fit for purpose.	No action required	Crown lift to 2m
G47	Cherry Laurel	Early-mature	8	10+	140 avg	**C**	Heras fencing unsecured yet is fit for purpose.	No action required	Remove small central section to facilitate development

	Tree Species		Measurements				Comments and Actions		
Tree ID	*Common Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Category*	*AW comments from site visit 09-02-22*	*Immediate actions to be taken*	*Subsequent actions to be taken*
T48	Sycamore	Early-mature	13	1	330	**C**	Removed	No action required	
T49	Sycamore	Early-mature	13	1	330	**C**	Removed	No action required	
G50	Norway Maple	Early-mature	15	6	260 avg	**C**	Heras fencing unsecured yet is fit for purpose.	No action required	
T51	Swedish Whitebeam	Early-mature	11	1	290	**C**	Removed	No action required	
T52	Hawthorn	Early-mature	9	1	230	**C**	Removed	No action required	
T53	Hawthorn	Early-mature	10	1	290	**C**	Removed	No action required	
T54	Sycamore	Semi-mature	13	2	210, 140	**C**	Removed	No action required	
T55	Cherry	Early-mature	15	1	490	**B**	Removed	No action required	
T56	Field Maple	Early-mature	15	1	390	**B**	Removed	No action required	
T57	Whitebeam	Semi-mature	12	1	290	**C**	Removed	No action required	

Inset 1: Secured Tree Protection Fencing



a) Stabilizer strut with base plate secured with ground pins

b) Stabilizer strut mounted on block tray



Inset 2: Plastic Mesh Tree Protection Fencing



Inset 3: Tree Protection Fencing Sign







AWA TREE CONSULTANTS

Appendix 5:
Tree Plan 09-02-2022

Hall Gardens, Brierley, S72 9FF
Ref: AWA4212

BRITISH STANDARD 5837:2012

SCALE: 1:500 PAPER: A1

	TREES TO BE RETAINED
	TREES TO BE REMOVED FOR DEVLOPMENT
	RPA: ROOT PROTECTION AREA
	TREE STEM
	EXISTING HERAS TREE PROTECTION FENCING
	ADJUSTED HERAS TREE PROTECTION FENCING
	PLASTIC MESH FENCING