# Arboricultural Impact Assessment (AIA)

## **July 2022**

Farington Cricket facility (Lancashire County Cricket Club) Woodcock Estate Farington

U R B A N G R E E N

# **QUALITY MANAGEMENT**

Project No.:	UG1016
Project:	Farington Cricket Facility (Lancashire County Cricket Club)
Location:	Woodcock Estate, Farington
Title:	Arboricultural Impact Assessment
Document Type:	BS 5837
Date:	13/01/21
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Revision Sta	

Rev:	Date:	Issue/Purpose/	Prepared:	Checked:
		Comment:		
01	16/02/22	Client comments	EA	AB
02	08/03/22	Redline boundary	EA	AB
03	25/05/22	Redline boundary	EA	AB
04	20/0722	Proposal Update	AB	RH
05	21/0722	Proposal Update	AB	RH

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### 1. Executive Summary

- 1.1.1. Urban Green has been instructed by Eric Wright to carry out an Arboricultural Survey to British Standard 5837:2012 guidelines at Land Off Woodstock Estate, Lostock Hall, Preston, PR5 5XT and produce our findings in a report.
- 1.1.2. It is proposed to develop a Cricket Facility comprising 2No. cricket ovals and associated pavilion building and spectator seating, covered cricket nets, access, parking, landscaping and associated works (including temporary event overlay facilities on ticketed match days). Full details of the proposed site layout can be seen on the plans included in Appendix 4.
- 1.1.3. The proposed development necessitates the removal of 20 trees, 5 hedges and parts of 2 hedges and 1 group within the site boundary.
- 1.1.4. Before any tree works are carried out trees should first be assessed for their suitability for protected species by a suitably qualified and experienced ecologist.
- 1.1.5. Tree protection fencing, and ground protection will need to be installed at the alignment shown on the Tree Protection Plan in Appendix 4 before any construction activity takes place.
- 1.1.6. Cellular confinement will be required in the construction of the road within the RPA of T59.
- 1.1.7. Information regarding the layout of new utilities should be submitted to the Arboricultural Consultant so that the impact of these on the retained trees can be assessed.

### 2. Introduction

### 2.1. Instructions and references

- 2.1.1. We have been instructed by Eric Wright to carry out an Arboricultural Impact Assessment (AIA) in accordance with BS 5837:2012 Trees in relation to design, demolition and construction Recommendations at the site location and produce our findings in a report to be submitted with a detailed planning application.
- 2.1.2. All trees, regardless of their statutory status, are a material consideration in a planning application. BS 5837 recognises the potential conflict between trees and development. The standard sets out to assist those concerned with trees in relation to construction and aid with decision making. This is achieved by providing impartial and balanced information on trees and their potential impacts.
- 2.1.3. Due to the size and nature of the site, it was decided that the survey methodology would include broadly grouping trees that share very similar characteristics. This method is in line with point 4.4.2.3 of BS 5837:2012 that states 'Trees forming groups...should be identified and considered as groups where the arboriculturist determines that this is appropriate... It may be appropriate to assess the quality and value of trees as a whole, rather than individuals.'
- 2.1.4. The site is located in the area shown in Figure 1. The OS Grid Reference is SD 54745 24818



Figure 1 – Site Location Plan

### 2.2. Scope

- 2.2.1. The AIA takes into account any potential impacts on existing trees including the effect of any tree loss required to implement the design and recommendations for the establishment of new trees.
- 2.2.2. The AIA will also assess any potentially damaging activities proposed in the vicinity of retained trees and the effect that the retained trees may have on the development such as potential nuisance caused by excessive leaf/fruit litter, lighting levels and potential damage to structures.

### 2.3. Documents provided

- 2.3.1. A scaled plan has been provided with tree positions already plotted. Any extra trees found on site that were not included on the original plan have been plotted according to measurements taken on site and/or using aerial photography.
- 2.3.2. Tree locations which have been estimated are illustrated on the Tree Protection Plan in Appendix 4. The exact locations of these trees must be verified, and any discrepancies discussed with the Arboricultural Consultant before starting works on site.
- 2.3.3. A plan outlining the development proposals has been overlaid with the Tree Constraints Plan in order to assess the potential impacts.

### 2.4. Limitations

- 2.4.1. The report is based upon a visual inspection. The consultant shall not be responsible for events that happen after the date of the report due to factors that were not apparent at the time, and the acceptance of this report constitutes an agreement with the guidelines and the terms listed in this report.
- 2.4.2. The consultant accepts no liability in respect of the trees unless the recommendations of this report are carried out under his supervision.
- 2.4.3. Assessing the potential influence of trees upon load bearing soils, beneath existing and proposed structures resulting from water abstraction by trees or rehydration of shrinkable soils was not included in the contract brief and is therefore not considered in the report. The consultant cannot be held responsible for damage arising from such action.
- 2.4.4. Trees are living organisms whose health, condition and structure can change over time. The contents of this report are valid for a period of two years from the date of the report.
- 2.4.5. Potentially hazardous trees are highlighted, and appropriate recommendations are made. However, this report is not a substitute for a full tree risk assessment or management plan which are specifically designed to minimise risk and liability associated with responsibility for trees.

### 3. Legislation

### 3.1. Tree protection status

- 3.1.1. A Tree Preservation Order (TPO) is an order made by a Local Authority to protect specific trees, groups of trees or woodlands in the interests of amenity. A TPO prohibits the cutting down, topping, lopping, uprooting and wilful damage or destruction of trees without the Local Authority's written consent.
- 3.1.2. The site contains a TPO- No 1 2021 Farington Smallholdings, Farington, South Ribble Council. The TPO covers trees T9-T13, T15-T23, G31, G32, G36, T37, T39, T59-T67 and T69 within this survey.
- 3.1.3. It is recommended that the Local Authority is consulted before any tree works are undertaken, as new TPOs may have been created since the time of enquiry, and heavy fines exist for unauthorised works to protected trees.
- 3.1.4. All works to trees covered by a TPO require permission from the Local Authority, including any pruning. However, this does not include trees that are dead or have become dangerous. The removal of dead branches is also excluded from a TPO. Although the above exceptions exist, it is advisable to give the Local Authority five days' notice in writing of any intended removal. Permission is not needed where tree work is required to implement an approved planning application.
- 3.1.5. It is an offence to remove more than 5m³ of timber in any one calendar quarter without having first obtained a felling licence from the Forestry Commission. It must be noted, however, that this excludes sites where planning permission has already been granted.

### 3.2. Wildlife

- 3.2.1. Prior to the commencement of any tree works, the trees should be assessed for the presence of species which are subject to protection under *Wildlife* and *Countryside* Act 1981 (as amended) and the *Conservation of Habitats and Species Regulations* 2017.
- 3.2.2. Where there is evidence that bats, birds or other protected species are present, the advice of a suitably qualified ecologist should be sought.
- 3.2.3. If tree works are carried out during the bird nesting season (March to September inclusive), trees would need to be inspected by a qualified ecologist no more than 48 hours prior to the commencement works.

### 4. Arboricultural Impact Assessment (AIA)

### 4.1. Summary of the development

4.1.1. It is proposed to develop the site into a Cricket Facility comprising 2No. cricket ovals and associated pavilion building and spectator seating, covered cricket nets, access, parking, landscaping and associated works (including temporary event overlay facilities on ticketed match days). Full details of the proposed site layout can be seen on the plans included in Appendix 4.

### 4.2. Tree constraints

- 4.2.1. BS 5837:2012 recognises that conflicting requirements of the planning system for development means that trees are only one factor which need to be taken into consideration. Although there may be certain specimens that can pose significant constraints to development due to their importance, it is essential that inappropriate tree retention is avoided.
- 4.2.2. Trees can be adversely affected on development sites if their protection is not factored into the wider project management of onsite operations. We have transposed the tree survey plan over plans detailing current proposals in order to assess the impact on surveyed trees.
- 4.2.3. It is essential that roots are protected from construction works including physical damage from excavation and changes in soil structure from compaction and changes in ground levels.

### 4.3. Root Protection Areas (RPAs) explained

- 4.3.1. The RPA is an area of ground around the base of a retained tree, which is calculated in relation to the stem diameter, where disturbance should be kept to a minimum and avoided if at all possible.
- 4.3.2. The majority of tree roots grow within the upper 600mm of the soil profile where most nutrients are available as the result of the decomposition of organic matter close to the surface. Rooting conditions become less favourable at depth as the soil density increases, creating anaerobic conditions.

### 4.4. Impacts of development

- 4.4.1. The survey contained 3 category A trees, 37 category B trees and groups, 31 category C trees, groups and hedges and 2 category U groups.
- 4.4.2. To facilitate the development 20 trees, 5 hedges and parts of 2 hedges and 1 group require removal of which 3 are category A, 16 are Category B and 9 are category C. Replanting will be required to help mitigate this tree loss.
- 4.4.3. Additionally, 1 group is recommended for removal due to condition regardless of the development.
- 4.4.4. Of the trees that are required to be removed to facilitate the development, 19 are covered by a TPO. Permission will need to be granted to remove these. Additional planting will be required to mitigate the loss of such trees. 250 trees are to be replanted within the site.

- 4.4.5. A section of G1 requires removal to facilitate the emergency access. The ownership of this group is outside the redline boundary and permission should be gained before the removal of this section.
- 4.4.6. Ground protection is required within the RPA of T19 and T59 to allow construction within the RPA of these trees while avoiding compaction. This will need to be constructed in line with section 4.7 of this document.
- 4.4.7. Cellular confinement will be required for the construction of the road within T59. The road will need to be built using an above ground cellular method with no excavation allowed except for a soil scrape. It will need to be constructed in accordance with section 7.4 of BS:5837.

### 4.5. Tree surgery works

- 4.5.1. Tree works that are recommended within the Tree Works Schedule (Appendix 4) are works required to facilitate development and also include details or remedial works. Tree works stated in the Tree Data Schedule (Appendix 1) are of a general maintenance nature and can be carried out at any time as per recommendations.
- 4.5.2. Tree works required to facilitate the development will be carried out prior to the commencement of any onsite operations. This should allow sufficient space for approved construction to be carried out.
- 4.5.3. Any unforeseen tree works that become apparent during the construction process will require written consent from the Local Authority Tree Officer.

### 4.6. Protective fencing

- 4.6.1. Temporary protective fencing will need to be installed at the alignment indicated on the Tree Protection Plan in Appendix 4, prior to the commencement of any construction activities on site including the delivery of materials and site facilities.
- 4.6.2. Any fencing that is damaged so that it is no longer able to protect retained trees must be replaced/repaired immediately with appropriate fencing.
- 4.6.3. The required specification for protective fencing is illustrated in the Tree Protection Plan (Insert 1).
- 4.6.4. The 'in-ground' system involves driving vertical scaffold poles approximately o.6m into the ground onto which are affixed horizontal scaffold poles and bracing struts.2m high anti-climb weldmesh panels are then wired to the scaffold framework. The vertical scaffold poles should be at a maximum of 3m apart.
- 4.6.5. No fixing shall be made to any tree and all possible precautions shall be taken to prevent damage to the tree roots when locating uprights.
- 4.6.6. A 600mm x 300mm warning sign reading "TREE PROTECTION AREA KEEP OUT" shall be fixed to every 10m of protective fencing, as illustrated on the Tree Protection Plan (Insert 2).

### 4.7. Ground protection for pedestrians or light vehicles

- 4.7.1. The primary method of ground protection is the installation of a compressible layer (e.g. woodchip) over a geotextile fabric with side butting scaffold boards.
- 4.7.2. Ground protection measures whilst working the RPA must be capable of supporting the expected loads and avoid compaction of the soil.
- 4.7.3. The boarding will be left in place until the construction works are finished.
- 4.7.4. Scaffolding may first be erected with the uprights on spreader boards and the ground protection installed around the uprights.

### 4.8. Temporary site cabins

- 4.8.1. All storage facilities and deliveries will avoid the RPAs of the trees. The locations will be agreed in writing with the LPA prior to delivery and will remain in the agreed locations unless approved by the LPA.
- 4.8.2. If storage facilities require siting within RPAs, every effort will be made to ensure that any damage to aerial parts of retained trees is avoided and that appropriate footings are used to avoid root damage or compaction of the soil.

### 4.9. Utilities

4.9.1. At the time of writing Urban Green have not been made aware of any new utilities or service runs that will be associated with the development. Information regarding the layout of new utilities should be submitted to the Arboricultural Consultant so that the impact of these on the retained trees can be assessed.

### 4.10. Recommendations

- 4.10.1. An Arboricultural Method Statement (AMS) will be required to provide solutions and working methods so that the impacts identified do not have a detrimental effect on retained trees.
- 4.10.2. All operations that could affect trees on and adjacent to the site must be considered as part of the project management of the Proposed Development. It is therefore recommended that an Arboricultural Consultant is appointed as part of the design and management team to advise on pre-development issues and supervise on-site operations.
- 4.10.3. The Arboricultural Consultant may also have an advisory role in the preparation of the site including tree surgery works and the protection of trees during demolition processes.
- 4.10.4. The Arboricultural Consultant shall be responsible for inspecting all protective fencing prior to the commencement of all onsite activity.

### Appendix 1 - Tree Data Schedule

The following pages contain information gathered during the site survey. The reader should refer to Appendices 2 and 3 in order to correctly interpret the tree data.

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Reference T= Tree G = Group	Age & Species	Height (m)	Crown Ht (m)	рвн (mm)	Crown Spread (m) N	Notes	Recomm	endations	Physiological Condition	Life Expectancy (yrs)	RPA Radius	
H = Hedge W = Woodland		Heig	Crowr	DBH	W E		Priority	Inspect Freq (yrs)	Structural Condition	Retention Category	(m)	
G1	Early-Mature <b>Lime</b> Tilia sp	av 11	av 1.5	av 550		1: Line of road side trees. 2: Has an understory of ash. 3: Acceptable clearance from road.	No action	n required.	Good	40+ B	6.60	
	·				each		n/a	3	Good			
G2	Semi-Mature <b>Ash</b>	av av <sub>av</sub>			1.5 1.5	1: Group of 2 growing within G1. 2: Suppressed by neighbouring trees. 3: Signs of ash dieback.	Remove.		Poor	<10	1.80	
	Fraxinus excelsior	0	'	_		1.5 each	nch M	Moderate	1.5	Fair	U	
G3	Early-Mature <b>Mixed</b>	d av	av	av		<ol> <li>Third party trees not fully accessed.</li> <li>Mix of conifers, alder and ash.</li> <li>Canopy overhanging into site by 3-4m.</li> </ol>	No action required.		Good	40+	3.60	
	species	10	0.5	300	4 each			3	Fair	В		
G4	Semi-Mature <b>Mixed</b>	av	av av av		av 1 1 1	1: Third party trees not fully accessed. 2: Mix of ash, rowan, rose and spindle. 3: Shrubby group mixed with brambles.	No action required.		Fair	10-20	0.96	
<b>G</b> 4	species	4	0.1	80	1 each	4: Die back within some of the canopies.	n/a	3	Fair	С	0.96	
Gr	Early-Mature <b>Mixed</b>	av	av	av av	av 4 4 4	<ol> <li>One alder and one thuja.</li> <li>On third party land.</li> <li>Canopies merging.</li> </ol>	No action	n required.	Fair	20-40	3.60	
G5	species	10	2		4 each	3: Canopies merging. 4: Canopies overhanging into site by 3m.	n/a	3	Good	С	3.00	
116	Semi-Mature <b>Hawthorn</b>	av					No action required.		Good	40+		
<b>H6</b>	Crataegus monogyna	2	0.1	100	o.5 o.5 o.5		n/a	3	Good	С	1.20	

n/a

3

Reference T= Tree G = Group	Age & Species	Height (m)	Crown Ht (m)	08н (тт)	Crown Spread (m) N	Notes	Recommo	endations	Physiological Condition	Life Expectancy (yrs)	RPA Radius	
H = Hedge W = Woodland	/ <b>6</b> 0 0. 0 position	Heigh	Crown	DBH	W E	Notes	Priority	Inspect Freq (yrs)	Structural Condition	Retention Category	(m)	
T13	Early-Mature <b>Oak</b>	9	2	550	4 5 5	<ol> <li>Growing within hedge and by field ditch.</li> <li>Multi stemmed from 2m.</li> <li>Estimated dbh.</li> <li>Minor deadwood within canopy.</li> </ol>	No actior	n required.	Good	40+ B	6.60	
	Quercus petraea						n/a	3	Good			
H14	Semi-Mature <b>Hawthorn</b>	av 0.1		100	0.5 0.5 0.5	1: Field boundary hedge, mainly hawthorn with occasional elder.	No action required.		Good	40+	1.20	
	Crataegus monogyna	'			0.5		n/a	3	Good	С		
T15	Early-Mature <b>Oak</b>	7	2	580		1: Stem bifurcates at 2m. 2: Large wound to stem from base to 1.5m with hollowing and decay, stem is occluding.	No action	n required.	Good	40+	6.96	
115	Quercus petraea	,	_	J-2	5	3: Minor deadwood within canopy. 4: Compaction to ground north of stem. 5: Ditch to south.	n/a	3	Good	В	0.90	
T16	Early-Mature <b>Oak</b>	9	2.5	2.5	590	6 6	1: Growing within hedge and at side of field ditch. 2: Parts of wire fence occluded into stem. 3: Deadwood within canopy.	No actior	n required.	Good	40+	7.08
	Quercus petraea				6	4: Good wide open canopy.	n/a	3	Good	В	,	
T	Early-Mature  Oak		_		6 6	<ul><li>1: Growing within hedge and at edge of ditch, estimated dbh.</li><li>2: Stem growing at 45 degrees south east.</li><li>3: Canopy merging with neighbouring tree.</li></ul>	No actior	n required.	Good	40+		
T17 Quercus petraea		14	3	760	6	J. carropy merging marriesgribouring a ce.	n/a	3	Good	В	9.12	
	Mature <b>Oak</b>				6	1: Crack running down stem for 3m to base. Has occluded well although likely decay underneath.	No action	n required.	Good	40+		
T18 Quercus petraea	12	3	690	8	<ul><li>2: Torn branch stub from previous branch failure.</li><li>3: Growing within hedge and edge of ditch.</li><li>4: Slight stem lean to east.</li></ul>	n/a	3	Good	Α	8.28		

Reference T= Tree G = Group	Age & Species	Height (m)	Crown Ht (m)	овн (mm)	Crown Spread (m) N	Notes	Recomme	endations	Physiological Condition	Life Expectancy (yrs)	RPA Radius		
H = Hedge W = Woodland	. <b>G F</b>	Heigh	Crown	DBH	W E	, total	Priority	Inspect Freq (yrs)	Structural Condition	Retention Category	(m)		
T19	Mature <b>Oak</b>	12	3	600		<ol> <li>Bifurcates at 2m.</li> <li>Canopy bias due to suppression by neighbouring tree.</li> <li>Minor cavity beginning at base of stem between buttresses.</li> <li>Wire fence being occluded into stem.</li> </ol>	No actior	n required.	Good	40+ B	7.20		
	Quercus petraea				7	5: Thinning canopy with deadwood.	n/a	3	Good	D			
T20	Over-Mature <b>Oak</b>	11	3	700		1: Estimated dbh. 2: Stem to 3m covered in epicormic growth and burrs. 3: Major deadwood throughout canopy.	No action	required.	Good	40+	8.40		
	Quercus petraea				4	4: Hollowing and cavities to branches.	n/a	3	Fair	В			
T21	Early-Mature <b>Oak</b>	15	3	670		1: Canopy merging with neighbouring tree. 2: Ditch to south of stem. 3: Minor deadwood within canopy.		n required.	Good	40+ B	8.04		
	Quercus petraea				5		n/a	3	Good				
T22	Mature <b>Oak</b>	15	3	840	7 5 3	1: Canopy merging with neighbouring tree. 2: Canopy in decline with die back. 3: Major deadwood within canopy.		ı required.	Fair	40+	10.08		
	Quercus petraea				5		n/a	3	Good	С			
T23	Mature  Oak		2	2 790	2	790		1: Growing at edge of ditch. 2: Epicormic growth in canopy branches. 3: Good open canopy.	No action	required.	Good	40+	9.48
Quen	Quercus petraea				5		n/a	3	Good	В			
Mature Ash T24	13	2.5	700		1: Estimated dbh. 2: Heavily ivy covered stem. 3: Slightly sparse canopy.		or signs of line.	Fair	20-40	8.40			
	Fraxinus excelsior	13 2.5		700	6	4: Acceptable clearance above road.	Low	3	Good	В	0.40		

Reference T= Tree G = Group	Age & Species	Height (m)	Crown Ht (m)	(шш) <b>нво</b>	Crown Spread (m) N	Notes	Recomme	endations	Physiological Condition	Life Expectancy (yrs)	RPA Radius
H = Hedge W = Woodland	- G	Heigh	Crown	DBH	W E	, total	Priority	Inspect Freq (yrs)	Structural Condition	Retention Category	(m)
H25	Early-Mature <b>Hawthorn</b>	av 1.5	O.1	100	0.5 0.5 0.5	1: Managed boundary field hedge. 2: Mainly hawthorn with small pockets of elder.	No actior	n required.	Good	40+ C	1.20
	Crataegus monogyna				0.5		n/a	3	Good	C	
T26	Semi-Mature  Purple Beech	5	2	180		1: Third party tree no access. 2: Estimated dbh. 3: Crown raised with wound occluding.	No action	n required.	Good	40+	2.16
	Fagus sylvatica 'purpurea'				2	4: Formatively pruned.	n/a	3	Good	В	
H27	Semi-Mature <b>Hawthorn</b>	av 2	0.1	90	0.5 0.5 0.5	1: Mainly hawthorn with occasional elder. 2: Managed boundary hedge.	No action	n required.	Good	40+	1.08
	Crataegus monogyna				0.5		n/a	3	Good		
T28	Semi-Mature <b>Oak</b>	6	2	320	4 4	1: Good open canopy. 2: 2 lower branches dead, minor branches shaded out.	No action	n required.	Good	40+	3.84
	Quercus petraea				4		n/a	3	Good	В	
H29	Semi-Mature <b>Hawthorn</b>	av 1.5	0.1	90	0.5 0.5 0.5	1: Managed boundary hedge at side of ditch. 2: Mainly hawthorn with occasional elder.	No action required.		Good	40+	1.08
	Crataegus monogyna	5			0.5		n/a	3	Good	C	
G30	Dead Hawthorn	av	av	av	av 2 2 2	1: Dead specimen. 2: Group of two.		n required use changes.	Dead	Dead	1.56
	Crataegus monogyna	4		130	2 each		n/a	3	Dead	U	

Low

3

5: Evidence of hollowing at base of stem by ditch.

each

Quercus petraea

6

Survey Date: 02/06/21

В

Good

n/a

3

Early-Mature   Oak   12   2   350   5   5   5   5   5   5   5   5   5	Reference T= Tree G = Group	Age & Species	Height (m)	Crown Ht (m)	рвн (тт)	Crown Spread (m) N	Notes	Recommo	endations	Physiological Condition	Life Expectancy (yrs)	RPA Radius
Tay	H = Hedge		Heig	Crown	DBH			Priority				(m)
Semi-Mature	T <sub>37</sub>	Oak	12	2	350	5 5	<ul><li>2: Canopy overhanging into neighbouring land.</li><li>3: Canopy merging with neighbouring trees.</li><li>4: Growing on top of ditch.</li></ul>	No action	n required.			4.20
Mixed   av   av   2   2   2   2   3   3   3   4   4   4   4   5   5   0.1   200   2   2   2   3   3   3   4   4   4   4   4   5   5   0.1   200   2   2   2   3   3   3   4   4   4   4   4   4   4								n/a	3			
Mature Oak Quercus petraea  Oak Quercus petraea  Oak Quercus petraea  Oak Quercus petraea  Oak A Oak Quercus petraea  Oak A Oa	G38					2 2	2: Growing on southern side of ditch on third party land.	No action	n required.	Good		2.40
Tay		species						n/a	3	Fair		
Quercus petraea    Auguar	T39		9	2	700		2: Bifurcates at 2m.	Mor	nitor.	Good		8.40
T40  Oak Quercus petraea  Fence being occluded into stem.  Early-Mature Mixed Species  Mature Oak  Mat	رو٠	Quercus petraea				6	1	Low	3	Fair	В	5.43
Quercus petraea    Code   Part   Part	T40		10	2	700		2: Canopy overhanging into land by 1m.	No action	n required.	Good	40+	8 40
H41  Early-Mature  Mixed  av 2 0.1 80 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.	140	Quercus petraea		2	,00			n/a	2	Good	В	0.40
H41  species  2 0.1 80 0.5 0.5  Nature  Oak  Oak  1: On third party land no access. 2: Fence attached to stem with occlusion.  No action required.  No action required.		·	av				1: Mixed managed boundary hedge of hawthorn and elder.			Good	40+	
Oak  6 2: Fence attached to stem with occlusion.  No action required.  Oak  Oak	H41	species		0.1	80			n/a	3	Good	С	0.96
	T42		14	2	700		2: Fence attached to stem with occlusion.	No action	n required.	Good	40+	8.40

Reference T= Tree G = Group	Age & Species	Height (m)	Crown Ht (m)	<b>рвн</b> (mm)	Crown Spread (m) N	Notes	Recomme	endations	Physiological Condition	Life Expectancy (yrs)	RPA Radius
H = Hedge W = Woodland	- G	Heigh	Crown	DBH	W E	, cold	Priority	Inspect Freq (yrs)	Structural Condition	Retention Category	(m)
T <sub>43</sub>	Early-Mature <b>Eucalyptus</b>	14	6	500		<ol> <li>On third party land, no access.</li> <li>Estimated dbh.</li> <li>Low limb failure with removal in the past.</li> <li>Ivy has been severed.</li> </ol>	No actior	n required.	Good	40+	6.00
	Eucalyptus sp				5	4. Try has been severed.	n/a	3	Good	В	
T44	Early-Mature <b>Birch</b>	12 2		350	4 4 4	<ul><li>1: Bifurcated at base.</li><li>2: On third party.</li><li>3: Canopy overhanging into site.</li></ul>	No action	n required.	Good	40+ B	4.20
	Betula sp				4		n/a	3	Good	В	
G45	Early-Mature <b>Birch</b>	av 12	av 2	av 300		1: Linear group along field boundary and road. 2: Third party trees. 3: Canopy overhanging into site by 3-4 m.		n required.	Good	20-40 C	3.60
	Betula sp				4 each			3	Fair		
T46	Early-Mature <b>Birch</b>	11	2	300	3 4 5	1: Stem lean to east. 2: Parallel to road. 3: Third party tree.	No action	n required.	Fair	40+	3.60
	Betula sp				3	4: Minor deadwood.	n/a	3	Good	В	
T47	Early-Mature <b>Oak</b>	16	2	530	6 6	1: Multi stemmed from base. 2: Acceptable clearance from road. 3: Minor deadwood throughout canopy.	No actior	n required.	Good	40+	6.36
Quercus petraea					6		n/a	3	Good	В	3
	Early-Mature <b>Hawthorn</b>	21/			0.5	1: Managed boundary field hedge.	No action	n required.	Good	40+	
H48	Crataegus monogyna	1	0.1	80	o.5 o.5 o.5	0.5	n/a	3	Good	С	0.96

Reference T= Tree		(m)	(m):	(mı	Crown Spread (m)		Recommo	endations	Physiological Condition	Life Expectancy (yrs)	RPA Radius
G = Group H = Hedge W = Woodland	Age & Species	Height (m)	Crown Ht (m)	<b>рвн</b> (mm)	N E	Notes	Priority	Inspect Freq (yrs)	Structural Condition	Retention Category	(m)
T49	Mature <b>Oak</b>	15	5	550	6 6 2	1: Has been heavily pruned to provide clearance from telephone cable. 2: Third party tree, no access, estimated dbh. 3: Wound to stem mostly occluded.	No action	n required.	Good	40+ B	6.60
	Quercus petraea						n/a	3	Good		
T50	Early-Mature <b>Ash</b>	13	3	430	4 4	1: On third party land, no access estimated dbh. 2: Multi stemmed just above base. 3: Ash dieback canopy in decline.		nitor.	Poor	40+	5.16
	Fraxinus excelsior				4		n/a	3	Fair	С	-
G51	Semi-Mature <b>Hawthorn</b>	av	av	av	av 1 1 1	1: Lapsed of hedge. 2: Decay to stems. 3: Multi stemmed above base.	No action	n required.	Fair	20-40	1.20
951	Crataegus monogyna	4	0.1	100	1 each		n/a	3	Fair	С	1.20
T <sub>52</sub>	Early-Mature <b>Hawthorn</b>	5	1	120	1 1	1: Multi stemmed just above base. 2: Crossing and rubbing branches. 3: Acceptable condition currently.	No action required.		Good	20-40	1.44
. 52	Crataegus monogyna	J			1		n/a	3	Fair	С	
T	Mature <b>Birch</b>		_		5 5	1: On third party land, no access, estimated dbh. 2: Crown raised in the past.	No actior	n required.	Fair	40+	
T <sub>53</sub>	Betula sp	12	5	450	5		n/a	3	Good	В	5.40
	Early-Mature				av 4	1: Group of 4 trees comprising 2 Norway maple , 1 horse chestnut and 1 Norway maple crimson king.	Na avis		Good	40+	
G54	<b>Mixed</b> species	av 10			4 4 4 each	2: On third party land, no access, estimated dbh. 3: Canopies overhanging into site by 3m.	No action required.		Good	В	3.00

Reference T= Tree G = Group	Age & Species	Height (m)	Crown Ht (m)	рвн (mm)	Crown Spread (m) N	Notes	Recomme	endations	Physiological Condition	Life Expectancy (yrs)	RPA Radius	
H = Hedge W = Woodland	. <b>G</b>	Heigh	Crown	DBH	W E		Priority	Inspect Freq (yrs)	Structural Condition	Retention Category	(m)	
H55	Early-Mature <b>Hawthorn</b>	av 1.5	0.1	80	0.5 0.5 0.5	Managed boundary hedge.     Mainly hawthorn with occasional elder.	No action	n required.	Good	40+	0.96	
	Crataegus monogyna	1.5			0.5		n/a	3	Good	С		
G56	Semi-Mature <b>Mixed</b>	av 6	av 1.5	av 200		1: Mix group of sycamore, holly, variegated Norway maple and spindle. 2: Third party trees not fully accessed. 3: Acceptable condition currently.	No action	n required.	Fair	40+	2.40	
	species	O	1.0		3 each		n/a	3	Good	С		
T <sub>57</sub>	Early-Mature  Sycamore	14	3	610	4 4	Multi stemmed from base with 8 stems.     Crown raised in past.	No action	n required.	Good	20-40	7.32	
	Acer pseudoplatanus				4		n/a	3	Fair	C		
H58	Early-Mature <b>Hawthorn</b>	av	0.1	80	0.5 0.5 0.5	1: Managed boundary hedge. 2: Mainly hawthorn with occasional elder.	No action required.		Good	40+	0.96	
	Crataegus monogyna	1.5			0.5		n/a	3	Good	С		
T <sub>59</sub>	Early-Mature <b>Oak</b>	8	2	2	550		1: Growing within hedge. 2: Bifurcates at 2m. 3: Minor deadwood within canopy.	No actior	n required.	Good	40+	6.60
	Quercus petraea				2.5		n/a	3	Good	В		
	Mature <b>Oak</b>				6	1: Bifurcates at 2m. 2: Growing within hedge.	No action	n required.	Good	40+		
T60	Quercus petraea	15	3	880		6 3: Good open canopy.	n/a	3	Good	А	10.56	

Quercus petraea

Survey Date: 02/06/21

Good

n/a

3

Reference T= Tree G = Group Age & Species		Height (m)	Crown Ht (m)	<b>рвн</b> (mm)	Crown Spread (m) N	Notes	Recomme	endations	Physiological Condition	Life Expectancy (yrs)	RPA Radius
H = Hedge W = Woodland	0	Heigh	Crown	DBH	W E		Priority	Inspect Freq (yrs)	Structural Condition	Retention Category	(m)
T67	Early-Mature  Oak	10	2	580	5 5 5	<ol> <li>Growing at top of ditch to north.</li> <li>Multi stemmed just above base.</li> <li>Growing within hedge.</li> <li>Minor deadwood within canopy.</li> </ol>	No action	n required.	Good	40+ B	6.96
640	Quercus petraea  Early-Mature  Alder (common)	av	av	av	av 5 5	1: 2 in group, growing within hedge by ditch. 2: Deadwood in lower canopy with saprophytic fungus. 3: Suppressed by neighbouring tree.	n/a No action	3 required.	Fair	20-40	
G68	Alnus glutinosa	10	3	250	4 each	3. Suppressed by neighbouring tree.	n/a	3	Good	С	3.00
T69	Mature <b>Oak</b>	10	2	780	7 8 6	<ul><li>1: Stem growing at angle to north.</li><li>2: Growing within hedge and at top of ditch.</li><li>3: One dead branch acceptable for current land use.</li></ul>	No action	n required.	Good	40+ B	9.36
	Quercus petraea				,		n/a	3	Good		
G70	Semi-Mature <b>Mixed</b>	av 4	av O.1	av 100		1: Mix of elder and hawthorn. 2: Boundary group to road. 3: Growing on slope.	No actior	n required.	Fair	20-40	1.20
	species	4	0.1		1.5 each		n/a	3	Good	C	
H71	Early-Mature <b>Hawthorn</b>	av 2.5	0.1	100	0.5 0.5 0.5	1: Managed boundary hedge.	No action	n required.	Good	40+	1.20
	Crataegus monogyna	2.5			0.5		n/a	3	Good	С	
	Early-Mature <b>Hawthorn</b>	av			0.5	1: Managed boundary hedge by a ditch. 2: Mainly hawthorn with occasional elder.	No action	n required.	Good	40+	_
H72	Crataegus monogyna	2	0.1	80	0.5 0.5		n/a	3	Good	С	0.96

Reference T= Tree G = Group	Age & Species	<b>ht</b> (m)	n Ht (m)	(mm)	Crown Spread (m) N	Notes	Recommendations		Physiological Condition	Life Expectancy (yrs)	RPA Radius
H = Hedge W = Woodland		Height	Crown	DBH	W E		Priority	Inspect Freq (yrs)	Structural Condition	Retention Category	(m)
H <sub>73</sub>	Early-Mature					1: Managed boundary hedge.			Good	40+	
	Hawthorn	av	0.1	90	0.5 0.5 0.5 0.5	2: Mainly elder with occasional elder.	No actior	required.			1.08
		1.5								С	
	Crataegus monogyna						n/a	3	Good		

### Appendix 2 - Tree Schedule Definition of Terms

	Individual Trees	T (+number)						
	Grouped Trees							
Tree Referencing	Hedgerows	H (+number)						
	Woodlands	W(+number)						
	Young	Usually <15 years						
	Semi-mature	Significant growth expected, approximately one third of life expectancy complete						
Ann Catanamyll ifa Stana	Early-Mature	Full height achieved with further significant growth possible, up to two thirds of life expectancy complete						
Age Category/Life Stage	Mature	Full height has been achieved with possible spreading of the canopy, usually past two thirds of overall life expectancy						
	Veteran	Usually a tree of significant age with characteristics that give additional cultural, landscape and conservation benefits,						
	Over-mature	A tree declining due to age as indicated by deterioration in the health and condition of its crown and trunk.						
Species	Botanical Name conforming to the International Code of Nomenclature for algae, fungi, and plants (ICN). For universal plant recognition.							
Эрсско	Common Name	commonly used names usually on a local and national scale.						
Tree Height	The vertical dista	nce between the base of the tree (where soil and buttress meet) and the tip of the highest branch on the tree.						
Crown Height	Measured from ground level to the height at which the main crown begins.							
Stem Diameter (DBH)	Stem diameter is	measured at 1.5 m above ground level						
Crown	Measurements ta	ken from all four cardinal points in metres.						
Notes	Notes are made to on developments	o inform of any possible defects, peculiarities or points of interest that may relate to the trees position, physiology, safety and possible effects.						
Recommendations	Recommendation	ns are made in accordance to good arboricultural practice. Recommendations are made regardless to the end usage of the site.						
	, ,	ependant on the perceived threat and the likelihood of failure given to a possible hazard. The priority of work is given regardless of the end						
	usage of the site.							
	Urgent	To be carried out as soon as possible.						
Priority Scale	Very High	To be carried out within 1 month.						
	High	To be carried out within 3 months.						
	Moderate Low	To be carried out within 1 year. To be carried out within 3 years.						
	Good	Usually healthy with no symptoms of poor health or disease.						
	Fair	Exhibiting signs of poor health or minor disease infections that are not considered to be hazardous.						
Physiological Condition:	Poor	Disease present in considerable quantities or with very poor physiological vigour.						
	Very Poor	Tree is in a moribund state in extremely poor condition, usually with little chance of recovery.						
	Good	A tree with no significant structural defects.						
Chrustural Candition	Fair	Minor defects may have been observed but are not considered to be immediately hazardous.						
Structural Condition:	Poor	Significant defects found. Tree requires monitoring or remedial works.						
	Very Poor	Major defects that require immediate remedial work or the removal of the tree.						
Life Expectancy:	The estimated nu	mber of years before the tree may require removal should no unexpected mechanical or environmental impacts occur to the tree.						
		ree retention categorisation table on the next page.						

UG1016 Lancashire County Cricket Club

May 2022

### Appendix 3 - Tree Retention Category

The following table provides an explanati	on of retention categories used.	
Trees to be removed		Colour on Plan
Category U Includes trees of very low quality that offer little or no amenity value.	Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.	RED
Trees to be considered for retention		
Category A  Trees of a high quality, with an estimated life of expectancy of at least 40 years	Trees that are excellent examples of their species, usually mature, especially if rare or unusual including veteran trees. Category A trees are likely to enhance a development and should be retained wherever possible.	GREEN
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.	Trees that are good examples of their species. B category trees are usually mature or younger trees with the potential to reach A category in the future. Although the retention of these trees is desirable, some losses may be acceptable.	BLUE
Category C Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm.	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.	GREY

**NOTE:** Trees that are viewed as borderline and do not fit neatly into either of the categories are given a plus or minus rating (+/-) in the tree data schedule. Therefore, C+ would denote a tree being borderline C/B although C is deemed to be the most appropriate category. Similarly, B- would denote a tree being borderline B/C with B seen as the most appropriate category.

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### Appendix 4 - Site Plans

The site plans referred to in the report follow this page which include the following:

- Tree Constraints Plan
- Tree Removal Plan
- Tree Works Schedule
- Tree Protection Plan
- Tree Protection Inserts

Although included plans are usually to scale, they are only intended to indicate positions of surveyed trees and dimensions should not be taken from these drawings.

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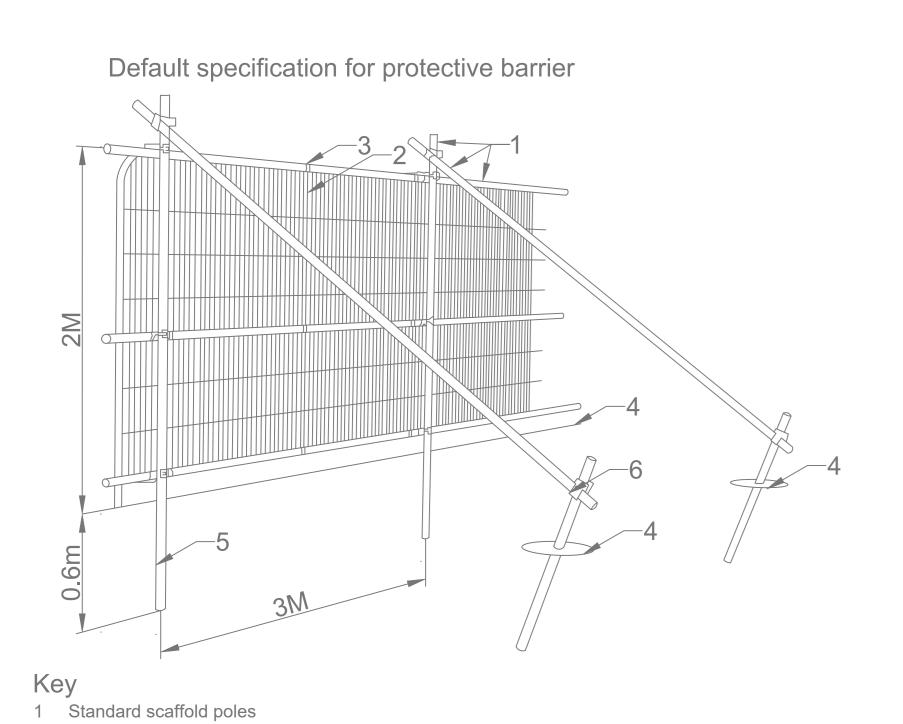


	Tree W	orks Schedule	
Tree Number	Species	Works Required	Reason
G1	Lime	Partial removal see Tree Removal Plan	
H8	Hawthorn		
T9			
T10			
T11	Oak		
T12			
T13			
H14	Hawthorn		
T15			To facilitate the development
T16		Removal	ro radintate the development
T17		Kemovai	
T18	Oak		
T21			
T22			
T23			
H27	Hawthorn		
T28	Oak		
H29			
G30			Arboricultural good practice
H34	Hawthorn	Partial removal see Tree Removal Plan	
H55		Removal	
H58		Partial removal see Tree Removal Plan	
T60			
T61			To facilitate the development
T62	Oak		i o idomitato tilo developinoni
T63		Removal	
T64			
T65	Alder		
T66	Oak		





# Insert 1: Tree protective fencing specification



# Temporary tree guard specification

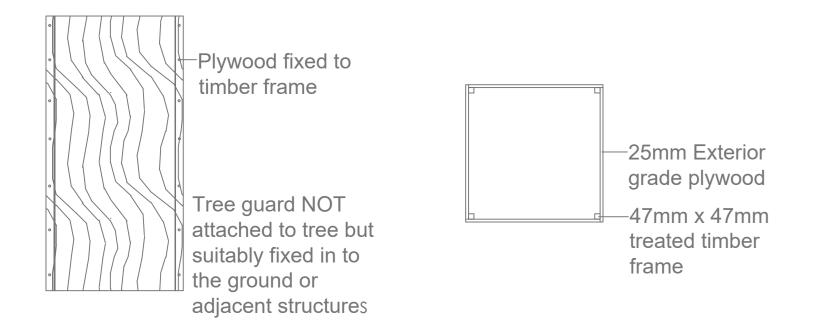
2 Heavy gauge 2m tall galvanised tube and welded mesh infill panels

5 Uprights driven into the ground untill secure (minimum depth 0.6m)

3 Panels secured to upright and cross-members with wire ties

4 Ground level

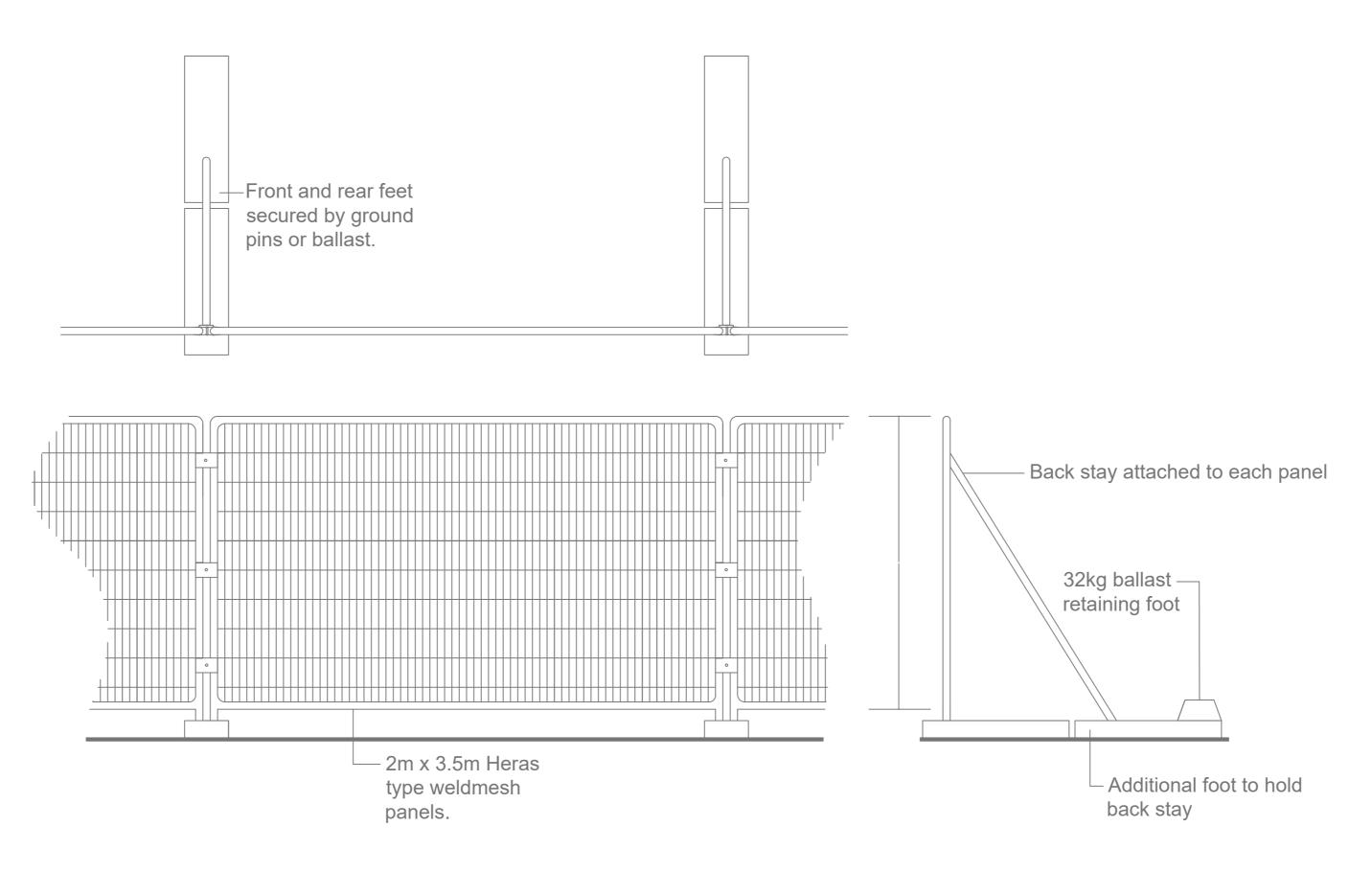
6 Standard scaffold clamps



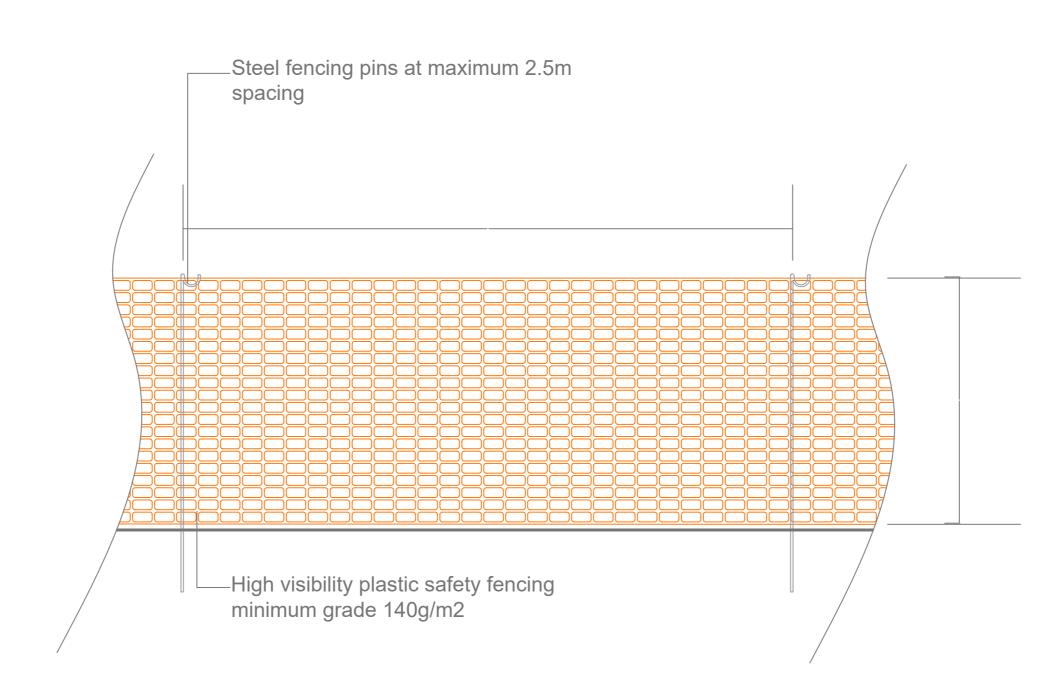
# Insert 2: Tree protection notice



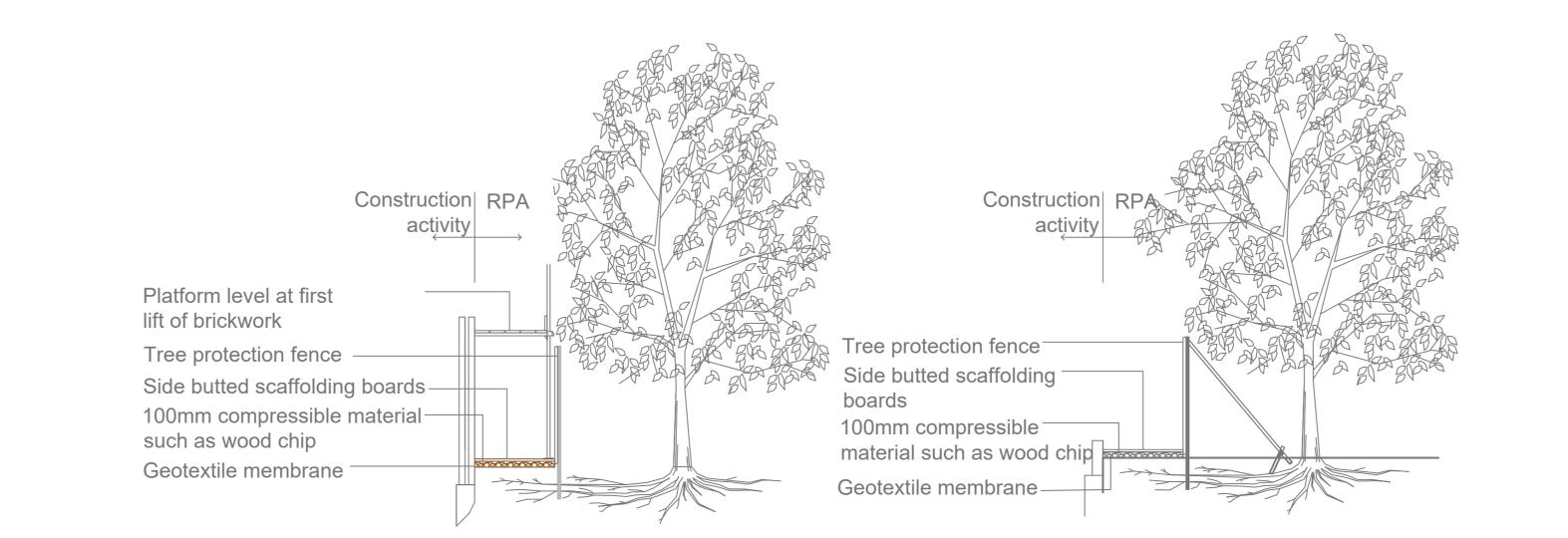
# Back-stay support



# Barrier mesh specification



# Insert 3: Ground protection specification



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Notes:-



TREE PROTECTION INDEX

**PLANNING** 

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