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arboricultural consultants



Location:
**Land at Jackson Lawson Terrace
Wheatley Hill**

Report Type:
**Arboricultural Survey
Arboricultural Impact Assessment
Arboricultural Method Statement**

Ref:
ARB/AE/3245

Date:
February 2024

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1 Introduction

- 1.1 This report has been prepared by Andrew Elliott of Elliott Consultancy Ltd on behalf of the applicant.
- 1.2 Elliott Consultancy Ltd was commissioned to visit the site to inspect the trees and to produce an arboricultural report in accordance with British Standard 5837:2012 '*Trees in Relation to Design, Demolition & Construction*'. An initial inspection of the trees was undertaken by Andrew Elliott on the 30th October 2023.
- 1.3 **Scope of the report:**
- This report provides arboricultural information and advice in relation to the proposed re-development of the site for residential use.
 - It should be used to guide the planning design and construction process in order to minimise potential damage to retained trees.
 - Section 4 provides a summary of the potential impacts on the current tree population and outlines countermeasures to help minimise damage.
 - Sections 5-7 provide a method statement that details all measures recommended for adequate tree protection including any special construction measures to be utilised.
- 1.4 Trees can be protected by Tree Preservation Order (TPO) or by merit of location within a Conservation Area; advice should be sought from the relevant planning department if such restrictions have been placed on the site.
- 1.5 It is possible that trees inspected within this survey may also be habitat for a variety of species. It is not within the remit of this report to investigate matters other than arboricultural issues.

2 Site Information

- 2.1 The site was previously residential housing, with all buildings now removed but with the road infrastructure still being in place. Figure 1 shows the survey area:



Figure 1: Site.

- 2.1 Tree cover on the site is generally in two distinct categories: semi-mature to mature trees established in locations that predate the housing removal, and newly planted young trees recently planted across the grassed areas.

3 Tree Category Explanation

- 3.1 The criteria used for evaluating how suitable each tree is for retention within a development is that suggested within BS5837:2012.
- 3.2 BS5837:2012 notes that all trees apart from those with stem diameters <150mm or classified as Category U should be viewed as a site constraint. When inspected, each tree and or group feature is assigned one of four categories that signify how suitable that tree/group would be for retention within any development proposals, and therefore the degree to which it should constrain the site. The four categories are as follows:
- 3.2.1 **Category A** trees are those of high quality and value, and of a condition whereby they could make a substantial contribution to the site. Such trees should be retained and offered adequate consideration during the design phase and physical protection during the construction phase in accordance with BS 5837:2012. This requires keeping proposed features and alterations to ground levels outside root protection areas and crown spreads so as to ensure that trees remains in an adequate condition post-development. Root protection areas and crown spreads are displayed upon the Tree Constraints Plan (Appendix 2).
- 3.2.2 **Category B** trees are those of moderate quality and value, and of a condition that they could make a substantial contribution to the site. Category B trees should be retained wherever possible and offered adequate consideration during the design phase and physical protection during the construction phase in accordance with BS 5837:2012.
- 3.2.3 **Category C** trees are considered to be of low quality and value, or lacking stature, but of an adequate condition to remain in the short-term. These trees could and in some cases should be retained where possible, but where they form a constraint to design their removal should be considered. Where they are to be retained they should be afforded adequate consideration during the design phase and physical protection during the construction phase in accordance with BS 5837:2012.

3 Tree Category Explanation (cont)

3.2.4 **Category U** trees are of such a condition that any existing value would be lost within 10 years. As a result it is recommended that Category U trees are not considered a constraint for development and are removed prior to construction commencing.

3.3 In addition to the four main categories explained above, each tree/group is assigned a sub-category which signifies its overriding value as determined by the surveyor, which is noted by adding a suffix of 1, 2 or 3 alongside the category letter. 1 signifies that the trees/groups main value is arboricultural e.g. it may be a particularly good example or may be rare. A 2 signifies that the overriding factor was due to the landscape value that the tree/group provides e.g. it may be part of a group feature such as a screen. A 3 indicates that a cultural factor was the overriding value e.g. it may have historical or commemorative importance.

4 Design Proposals and Arboricultural Impact

4.1 This section concentrates on the proposals and how they relate to the trees around the site (see Appendix 6).

4.2 **Potential Conflict 1: Loss of trees to allow construction.**

Trees 1, 3, 7-22, 26-35, 44-66, & 69-93; a section of Hedgerow 1; & several small scrub Hawthorn and Elder bushes (adjacent to Trees 37-43); will require removal to allow construction and acceptable use of garden space.

Mitigation / Countermeasure: No mitigation or countermeasures can be undertaken to allow for the retention of these trees and the hedge section given the design requirements. Tree removal includes the loss of 75 trees of which: 23 were classified as Category B trees of moderate quality; 47 trees were classified as Category C trees of low quality; and 5 trees were classified as Category U trees that require removal regardless of the proposals. The arboricultural and visual impact of the proposals is considered to be moderately detrimental but is noted to be limited to the immediate location and streetscape with all of the trees, including those of moderate quality, being limited in stature and therefore with limited visibility within the wider landscape. Tree planting within the landscape proposals across the site can be undertaken to help compensate for this loss of tree cover.

4.3 **Potential Conflict 2: Conflict between trees 35 & 36 and construction; and Trees 38-42 and useable garden space.**

Conflict could occur between the trees and the new layout due to proximity.

Mitigation / Countermeasure: Trees 35 & 36 are both very low-quality features being wholly or in part located within an adjacent garden. It is recommended that stems and branches growing within the site are removed to allow adequate clearance to the construction zone (consideration might be given to the potential removal of both plants in their entirety with the consent of the owners given their low quality and position). Trees 38-42 are all semi-mature Field Maples with particularly asymmetrical crown forms (growing to the north), but with minimal crown-balancing tree surgery they can be pruned back (lower branches) by 2-3m to provide a new cohesive crown-form and improved garden space for the new units – an illustrative group crown-form is shown at Appendix 7.

4 Design Proposals and Arboricultural Impact

4.4 **Potential Conflict 3: Damage to retained trees during construction.**

Retained trees and hedges may be damaged due to a variety of reasons during the development process.

Mitigation / Countermeasure: All retained trees can be protected during the construction process in accordance with BS5837, by the installation of appropriate protective fencing and maintaining the agreed construction exclusion zones as shown within Appendix 7.

4.5 **Potential Conflict 4: Damage to trees due to the installation of services.**

Damage can be caused to roots during the installation or replacement of utilities runs.

Mitigation / Countermeasure: No new service runs will be located within the retained tree RPA's. All proposed works to existing utilities will be undertaken with regard for the retained tree cover and will be in accordance with NJUG (National Joint Utility Group) recommendations.

4.6 **Potential Conflict 5: Damage to trees due to post-development landscaping:**

Damage can be caused post-development by excessive landscaping and soil changes in close proximity to retained trees.

Mitigation / Countermeasure: Landscaping works within the root protection areas will be kept to a minimum. Tractor mounted rotavation or other heavy mechanical cultivation must not be used within the root protection areas of retained trees. All cultivation within RPA's will be carefully undertaken by hand or pedestrian controlled light machinery to avoid root damage.

5 Pre-construction and Site Preparation Works

- 5.1 Refer to Appendix 2 for stage specific tasks.
- 5.2 Undertake tree removals and pruning as detailed at Appendix 2.
- 5.3 Prior to any site works commencing, the fencing needs to be erected according to the locations found on the Tree Protection Plan (Appendix 7). The fence should conform to the specification and locations shown within Appendices 3 & 7.
- 5.4 At the beginning of the construction phase, the site manager will appoint a delegated site representative who shall be responsible for continued checking of the protective fencing to ensure it remains compliant with the exclusion zone.

6 Tree protection measures during construction

- 6.1 Refer to Appendix 2 for stage specific tasks.
- 6.2 All ground levels where trees are located should be maintained. Changes to soil levels adjacent to trees can severely affect the trees structural integrity and its ability to gain moisture and nutrients from the surrounding soil. Unavoidable level changes that may affect retained trees, and not already accounted for within this method statement, should be assessed by a qualified arboriculturalist so that any mitigation or special construction techniques can be considered.
- 6.3 Building material storage and operations that can contaminate soil, such as cement mixing, must be confined to areas outside the RPA's.
- 6.4 Fires should not be lit.
- 6.5 The trees should not be used to attach notices, cables or other services.
- 6.6 The installation of any underground services near or adjacent to trees on the site shall conform to the requirements of National Joint Utilities Group publication Volume 4 (November 2007).

7 Tree protection measures post-construction

- 7.1 Refer to Appendix 2 for stage specific tasks.
- 7.2 Only once all construction works have been completed can the protective fencing be removed.
- 7.3 Post development landscaping should be kept to a minimum within the root protection areas of retained trees. No ground excavation or mechanised ground treatments / rotavation will be undertaken within the protected areas, with all landscaping being undertaken by hand or with hand operated machinery.

Appendix 1: Tree Data

Key to tree survey headings:

- **Tag** – Tree number corresponding to plans & tags
- **Species** – Common name of each tree
- **DBH** – 'Diameter at breast height' in mm taken on stem at 1.5m.
- **Hgt** – Height in metres of each tree
- **Crown spread: North, South, East, West** – Crown spread in metres to x4 cardinal points from centre of stem
- **CH** – Crown clearance from ground to lowest branches
- **EstD** – Estimated dimensions
- **Age** – Age-class of tree: Y = Young, SM = Semi-mature, M = Mature, OM = Over-mature.
- **General observations** – details both Physiological and structural Condition
- **Est Con** – Estimated life expectancy / contribution to the landscape (in years): 0-10, 10-20, 20-40, 40+
- **Recommendations** – Any recommendations that, regardless of land use, require attention.
- **BS. Cat** – Retention category. **A, B, C**, or **U**. For retained trees **A** being of the highest quality, **C** being the lowest. Category **U** trees for removal regardless of design. Category A, B, & C are given sub-catagories 1, 2, & 3 – details of which are shown in appendices.

Tree Survey Data

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
1	Apple	Y	8	1	3	1	1	1	1	0.5	N		20+	C1	Remove for design
2	Swedish Whitebeam	SM	26	1	5	3	3	3	3	2	N	Minor stem bark damage.	20+	B1	No work required
3	Pissards Plum	SM	15	1	5	2	2	2	2	2	N	Co-dominant stems at 1.5m with acute union. Poor form.	10+	C1	Remove for design
4	Hawthorn	M	18	1	5	3	2	2	3	2	N	Off-site. 1.5m overhang.	20+	C1	No work required
5	Sycamore	SM	30	1	8	3	3	3	4	2	N	Off-site. 4m overhang.	40+	C1	No work required
6	Sycamore	SM	25	1	7.5	2	3	2	3	2	N	Off-site. Suppressed form. 3m overhang.	40+	C1	No work required
7	Cherry spp	SM	27	1	7	4	5	5	3	1.5	N		40+	B1	Remove for design
8	Wild Cherry	SM	35	1	7	5	5	6	4	0.5	N		40+	B1	Remove for design
9	Ash	SM	29	2-5	8	3	3	3	3	1.5	N	Co-dominant stems at 1m. Minor twig decline - possible onset of Ash Dieback.	10+	C1	Remove for design
10	Ash	SM	36	1	10	4	3	5	3	2.5	N	Minor twig decline - possible onset of Ash Dieback.	10+	C1	Remove for design
11	Birch spp	Y	6	1	5	1	1	1	1	0.5	N		40+	C1	Remove for design

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
12	Birch spp	Y	6	1	5	1	1	1	1	0.5	N		40+	C1	Remove for design
13	Ash	SM	28	1	8	3	3	3	4	1	N	Minor twig decline - possible onset of Ash Dieback.	10+	C1	Remove for design
14	Common Oak	Y	4	1	3	1	1	1	1	0.5	N		40+	C1	Remove for design
15	Wild Cherry	SM	29	1	8	5	4	4	4	3	N		40+	B1	Remove for design
16	Swedish Whitebeam	Y	6	1	4	0.5	0.5	0.5	0.5	0.5	N		40+	C1	Remove for design
17	Swedish Whitebeam	Y	6	1	4	0.5	0.5	0.5	0.5	0.5	N		40+	C1	Remove for design
18	Common Oak	Y	6	1	3	0.5	0.5	0.5	0.5	0.5	N		40+	C1	Remove for design
19	Swedish Whitebeam	Y	6	1	4	0.5	0.5	0.5	0.5	0.5	N		40+	C1	Remove for design
20	Swedish Whitebeam	Y	6	1	4	0.5	0.5	0.5	0.5	0.5	N		40+	C1	Remove for design
21	Bird Cherry	SM	18	1	5	4	2	3	3	1.5	N	Small tree with dense crown.	20+	C1	Remove for design
22	Ash	SM	22	1	5	3	2	3	2	1.5	N	Dead.	<10	U	Fell
23	Elder	SM	15	1	4	2	2	2	2	1	N	Off-site.	10+	C1	No work required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
24	Ash	Y	15	1	6	2	3	2	2	1.5	N	Off-site. Self-seeded between fence and garage.	10+	C1	No work required
25	Sycamore	Y	8	1	4	2	2	2	2	1.5	N	Off-site. Self-seeded between fence and garage.	40+	C1	No work required
26	Birch spp	Y	5	1	4	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
27	Birch spp	Y	5	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
28	Field Maple	Y	4	1	4	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
29	Field Maple	Y	4	1	4	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
30	Field Maple	Y	4	1	4	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
31	Common Oak	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
32	Common Oak	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
33	Birch spp	Y	4	1	4	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
34	Field Maple	SM	29	1	8	4	3	3	4	2.5	N	Extensive basal suckers and small Hawthorn stems around stem base.	40+	B1	Remove for design
35	Elder	SM	15	2-5	4	2	2	2	2	0.5	N	Off-site. Multi-stemmeds. Growing through fence.	10+	C1	Remove overhanging branches

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
36	Sycamore	Y	24	2-5	7	2	2	3	3	0.5	N	Multi-stemmed - 2 stems on site and 1 off. Growing through fence.	40+	C1	Remove stems from site
37	Hawthorn	SM	16	2-5	4	2	1	2	2	0.5	N	Multi-stemmed. Poor suppressed form.	40+	C1	No work required
38	Field Maple	SM	32	2-5	8	5	2	4	3	2.5	N	x3 multi-stems at 1m. Suppressed form.	20+	C1	Prune back for design
39	Field Maple	SM	32	1	8	6	3	2	5	2	N	Suppressed form.	40+	B2	Prune back for design
40	Field Maple	SM	26	1	9	6	3	2	3	2	N	Suppressed form.	40+	B2	Prune back for design
41	Field Maple	SM	32	1	10	6	3	4	2	3	N	Suppressed form. Extensive bark stripping from base to 3m.	10+	C1	Prune back for design
42	Field Maple	SM	32	2-5	9	5	3	5	2	2	N	Co-dominant stems at 1.5m with acute union. Suppressed form.	20+	B2	Prune back for design
43	Common Alder	Y	10	1	5	1	2	3	0.5	3	N	Suppressed form.	20+	C1	No work required
44	Ash	SM	27	1	7	3	3	3	3	3	N	Minor symptoms of Ash Dieback - twig death / crown epicormic.	10+	C1	Remove for design
45	Ash	SM	35	1	7	3	5	5	4	1.5	N	Minor symptoms of Ash Dieback - twig death / crown epicormic.	10+	C1	Remove for design
46	Swedish Whitebeam	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
47	Field Maple	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
48	Birch spp	Y	4	1	5	1	1	1	1	1.5	N		40+	C1	Remove for design
49	Birch spp	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
50	Field Maple	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
51	Silver Birch	SM	14	1	6	2	2	2	2	2	N		40+	B1	Remove for design
52	Field Maple	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
53	Hornbeam	SM	15	1	6	1	1	1	1	2.5	N	'Fastigate' upright variety.	40+	B1	Remove for design
54	Hornbeam	SM	15	1	6	1	1	1	1	2.5	N	'Fastigate' upright variety.	40+	B1	Remove for design
55	Wild Cherry	SM	27	1	6	4	4	4	3	2.5	N		40+	B1	Remove for design
56	Field Maple	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
57	Wild Cherry	SM	29	1	6	4	5	3	3	2.5	N		40+	B1	Remove for design
58	Common Oak	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
59	Field Maple	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
60	Common Oak	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
61	Birch spp	Y	4	1	4	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
62	Wild Cherry	SM	28	1	7	4	4	5	3	2.5	N		40+	B1	Remove for design
63	Wild Cherry	SM	16	1	5	3	2	2	2	2	N		40+	C1	Remove for design
64	Wild Cherry	SM	22	1	5	3	3	4	3	2	N		40+	B1	Remove for design
65	Wild Cherry	SM	14	1	4	0.5	0.5	2	0.5	2	N	Dead.	<10	U	Fell
66	Common Oak	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
67	Swedish Whitebeam	SM	20	1	4	3	3	2	3	1.5	N	Co-dominant stems at base. Extensive bark removal.	10+	C1	No work required
68	Ash	M	79	1	16	6	5	7	6	1	N	Minor stem bark damage.	20+	B1	No work required
69	Birch spp	Y	4	1	4	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design
70	Norway Maple	SM	20	1	5	3	2	3	0.5	2	N	Stem damage. Poor form.	10+	C1	Remove for design
71	Birch spp	Y	4	1	3	0.5	0.5	0.5	0.5	1.5	N		40+	C1	Remove for design

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
72	Norway Maple	SM	26	1	7	3	2	3	2	2	N	Crown has poor form with structurally low quality branch attachments - either bark inclusions or suspected non-integrated wood fibres.	10+	C1	Remove for design
73	Norway Maple	SM	26	1	7	3	2	3	2	2	N	Crown has poor form with structurally low quality branch attachments - either bark inclusions or suspected non-integrated wood fibres. Bark damage.	10+	C1	Remove for design
74	Hornbeam	SM	20	1	5.5	2	2	2	2	2	N	'Fastigate' upright variety.	40+	B1	Remove for design
75	Cherry spp	SM	13	1	4	2	3	2	2	2	N		40+	C1	Remove for design
76	Norway Maple	SM	25	1	7	2	3	3	2	2	N	Crown has poor form with structurally low quality branch attachments - either bark inclusions or suspected non-integrated wood fibres. Bark damage.	10+	C1	Remove for design
77	Whitebeam	SM	24	1	6	3	3	3	3	2	N		40+	B1	Remove for design
78	Whitebeam	SM	22	1	6	3	3	3	3	2	N		40+	B1	Remove for design
79	Whitebeam	SM	18	1	5	2	3	3	2	2	N	Bark damage.	40+	B1	Remove for design
80	Norway Maple	SM	30	1	8	3	4	4	3	2	N		20+	B1	Remove for design
81	Cherry spp	SM	34	1	8	4	3	5	3	2	N		20+	B1	Remove for design

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
82	Norway Maple	SM	28	1	8	4	3	4	3	2	N		20+	B1	Remove for design
83	Cherry spp	SM	24	1	7	3	3	3	2	2	N	Dead.	<10	U	Fell
84	Rowan	SM	20	2-5	5.5	3	2	2	3	2	N	Multi-stemmed at base.	20+	C1	Remove for design
85	Sycamore	SM	39	1	8	4	3	4	4	3	N		40+	B1	Remove for design
86	Cherry spp	SM	26	1	5	3	2	3	2	2	N		40+	B1	Remove for design
87	Cherry spp	SM	32	1	6	3	3	4	3	2	N		40+	B1	Remove for design
88	Cherry spp	SM	32	1	7	5	5	5	5	2	N		40+	B1	Remove for design
89	Common Alder	SM	33	1	9	5	4	5	3	1.5	N		40+	B1	Remove for design
90	Swedish Whitebeam	SM	19	1	5	2	2	2	2	1.5	N	Bark damage.	20+	C1	Remove for design
91	Silver Birch	SM	22	1	8	2	2	3	3	2	N		40+	C1	Remove for design
92	Cherry spp	Y	12	1	4	2	2	3	2	0.5	N	Self-seeded in fence.	<10	U	Fell
93	Sycamore	Y	8	1	4	1	1	1	1	0.5	N	Self-seeded at base of fence.	40+	U	Fell

Group Data

Group Number	Dominant Species	Lesser Species	DBH	Average Height	Age	Average Spread	Condition/Comments	Recommendations	EstCont	BS Cat
1	Lawson Cypress		14	5	SM	2	Off-site boundary hedge. Previously managed as hedge. 0.5-1m overhang.	No work required	20+	C2
2	Leyland Cypress		14	5	SM	2	Off-site boundary hedge. Previously managed as hedge. No significant overhang.	No work required	20+	C2
3	Swedish Whitebeam		15	5	SM	3	Off-site. X4 small multi-stemmed trees on boundary fence - pushing through.	No work required	10+	C2

Hedgerow Data

Hedge Number	Dominant Species	Lesser Species	Age	Average Height	Average Depth	Historically Managed Height	Historically Managed Depth	Condition/Comments	Recommendations	EstCont	BS Cat
1	Hawthorn		SM	2.5	1	1.5	0.5		Remove section for design	20+	C2

Appendix 2: Arboricultural Tasks Sequence Tables

Tree or Group Number	Pre-Construction Stage	Construction Stage	Post Construction Stage
<p>Trees 1, 3, 7-22, 26-34, 44-66, & 69-93;</p> <p>Section of Hedgerow 1;</p> <p>Small scrub Hawthorn and Elder bushes (adjacent to Trees 37-43)</p> <p>(all highlighted in red at Appendix 6).</p>	Remove.		
Tree 35 & 36.	Remove all stems and overhanging branches to boundary.		
Trees 38-42.	Crown-lift to 2m and prune back overhanging foliage on northern sides by 2-3m.		
All trees	<p>Adhere to Section 5.</p> <p>Install protective fencing as per Appendices 3 & 7.</p> <p>Attach tree protection notice as per Appendix 4.</p>	Adhere to specification within Section 6.	Adhere to specification within Section 7.

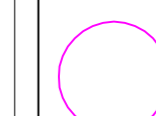
Appendix 3 : Protective Fencing Specification



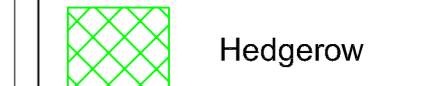
Tree protection zone



-  Tree Position Showing Crown Extents and BS5837 Category A
-  Tree Position Showing Crown Extents and BS5837 Category B
-  Tree Position Showing Crown Extents and BS5837 Category C
-  Tree Position Showing Crown Extents and BS5837 Category U

 Root Protection Area - to remain free from disturbance (merged where over-lapping)

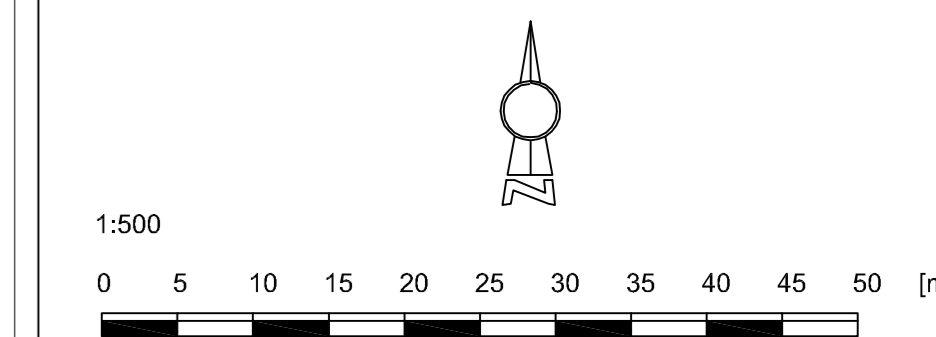
 Group of Trees

 Hedgerow

1/G1/H1 Tree/Group/Hedgerow Number

A1/B1/ BS5837 Retention Category

C1/U Photo Number, Position and Aspect



APPENDIX 5

Drawing Title: Tree Constraints Plan

Project: Jackson Lawson Tree

Drawing Number: ARB/AE/3245/TCP


Date: October 2023

Scale: 1:500 @ A0





-  Tree Position Showing Crown Extents and BS5837 Category A
-  Tree Position Showing Crown Extents and BS5837 Category B
-  Tree Position Showing Crown Extents and BS5837 Category C
-  Tree Position Showing Crown Extents and BS5837 Category U

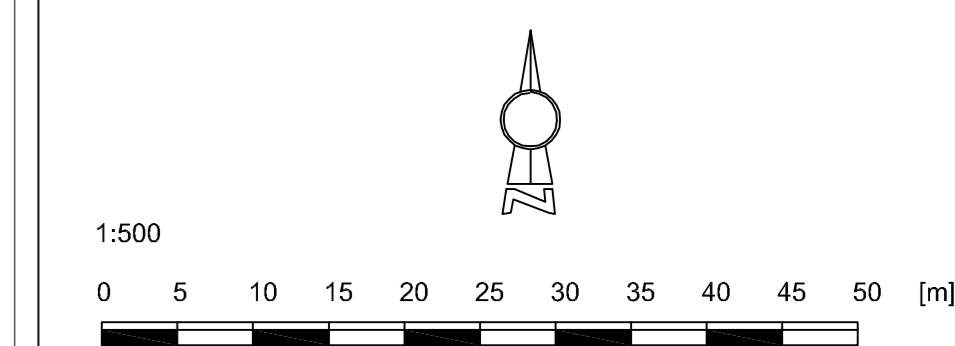
 Root Protection Area - to remain free from disturbance (merged where over-lapping)

 Group of Trees


 Hedgerow


1/G1/H1 Tree/Group/Hedgerow Number

A1/B1/
C1/U BS5837 Retention Category



 Tree Requiring Removal

 Group of Trees Requiring Removal

 Hedgerow Requiring Removal

 Pruning Recommended

APPENDIX 6

Drawing Title: Tree Impact Plan

Project: Jackson Lawson Tce

Drawing Number: ARB/AE/3245/TIP

Date: February 2024

Scale: 1:500 @ A0



Tree Position Showing Crown Extents and BS5837 Category B

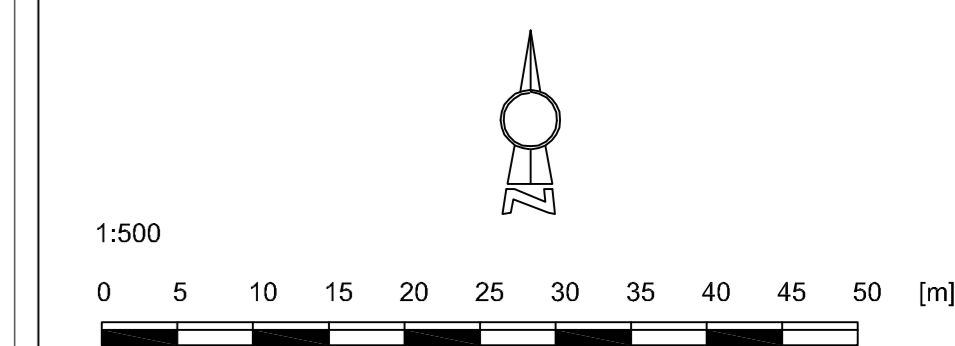
Tree Position Showing Crown Extents and BS5837 Category C

Group of Trees

Hedgerow

1/G1/H1 Tree/Group/Hedgerow Number

A1/B1/
C1/U BS5837 Retention Category



Tree Protection Fenceline

Construction Exclusion Zone

APPENDIX 7

Drawing Title: Tree Protection Plan

Project: Jackson Lawson Tce

Drawing Number: ARB/AE/3245/TPP

Date: February 2024

Scale: 1:500 @ A0