



ARBORICULTURAL IMPACT ASSESSMENT

**Land east of Stoke Road and north of Normandy Way (A47)
Hinckley**

ON BEHALF OF

Richborough Estates and
Mr & Mrs Adcock

REFERENCE: ZTL_117_AIA_B

March 2022

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Report Data	
Report Title	Arboricultural Impact Assessment
Report Reference	ZTL-117-AIA- B
Client	Richborough Estates and Mr & MRs Adcock
Development Site	Land east of Stoke Road and north of Normandy Way (A47), Hinckley
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1.0. Background & Instruction

- 1.1 The Principal Author of this report is Sam Hobson MICFor (Chartered Arboriculturist), BSc (Hons). MARborA. Sam is a Professional member of the Institute of Chartered Foresters (Chartered Arboriculturist) and a Professional Member of the Arboricultural Association (AA) and is therefore required to uphold the professional and ethical standards within the ICF and AA Codes of Conduct. Sam holds the LANTRA certificate in Professional Tree Inspection.
- 1.2 This Arboricultural Method Statement (AIA) has been prepared on behalf of Richborough Estates and Mr & Mrs Adcock in support of an outline planning application for residential development of land north of Normandy Way (A47), Hinckley (the 'site').
- 1.3 The planning application is to be submitted to Hinckley & Bosworth Borough Council (HBBC).

Purpose

- 1.4 The tree survey and AMS has been carried out in accordance with the recommendations outlined within British Standard BS5837:2012 'Trees in relation to design, demolition and construction – Recommendations'.
- 1.5 This AIA report:
 - Provides the baseline survey data of existing trees, including a Tree Schedule and Tree Constraints Plan (TCP).
 - Evaluates the direct and indirect impacts of the Proposed Development upon the existing trees.
 - Where necessary, provides details of mitigation and tree protection, including a Draft Tree Protection Plan

2.0. Planning Policy & Legislation

National Planning Policy Framework (NPPF)

The following paragraphs within the NPPF set out policies which guide the planning policy and decision-making process of Local Planning Authorities in relation to trees. These are:

Paragraph 131

Trees make an important contribution to the character and quality of urban environments and can also help mitigate and adapt to climate change. Planning policies and decisions should ensure that new streets are tree-lined, that opportunities are taken to incorporate trees elsewhere in developments (such as parks and community orchards), that appropriate measures are in place to secure the long-term maintenance of newly-planted trees, and that existing trees are retained wherever possible. Applicants and local planning authorities should work with highways officers and tree officers to ensure that the right trees are planted in the right places, and solutions are found that are compatible with highways standards and the needs of different users.

Paragraph 174 (b & d)

Planning policies and decisions should contribute to and enhance the natural and local environment by:

- b) Recognising the intrinsic character and beauty of the countryside, and the wider benefits from natural capital and ecosystem services – including the economic and other benefits of the best and most versatile agricultural land, and of trees and woodland;
- d) minimising impacts on and providing net gains for biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures;

Paragraph 180

When determining planning applications, Local Planning Authority's (LPA) should apply the following principles:

- a) If significant harm to biodiversity resulting from a development cannot be avoided (through locating on an alternate site with less harmful impacts), adequately mitigated, or, as a last resort, compensated for, then planning permission should be refused;
- b) development on land within or outside a Site of Special Scientific Interest, and which is likely to have an adverse effect on it (either individually or in combination with other developments), should not normally be permitted. The only exception is where the benefits of the development in the location proposed clearly outweigh both its likely impact on the features of the site that make it of special scientific interest, and any broader impacts on the national network of Sites of Special Scientific Interest;
- c) Development resulting in the loss or deterioration of irreplaceable habitats (such as ancient woodland and ancient or veteran trees) should be refused unless there are wholly exceptional reasons and a suitable compensation strategy exists.

- d) Development whose primary objective is to conserve or enhance biodiversity should be supported; while opportunities to improve biodiversity in and around developments should be integrated as part of their design, especially where this can secure measurable net gains for biodiversity or enhance public access to nature where this is appropriate.

Tree Preservation Orders and Conservation Areas

- 2.1 Based on a check using the online map provided by HBBC, no trees on or adjacent to the Site are the subject of a Tree Preservation Order.
- 2.2 The site is not within a Conservation Area.

Protected Wildlife and Trees

Bats

- 2.3 All species of British bat are listed as European Protected Species (EPS) on Schedule 2 of the Conservation Regulations (Annex IV (a) to the Habitats Directive). This affords bats protection under The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019. Prior to undertaking any tree works or tree removal further advice should be sought from a suitably qualified ecologist.

Nesting Birds

- 2.4 The main bird nesting season is between March and August inclusive. Current legislation relating to breeding birds, under *the Wildlife and Countryside Act 1981* (as amended) and the *Countryside and Rights of Way Act 2000*, confirms that birds, as well as their nests and eggs are protected. Prior to undertaking any tree works or tree removal further advice should be sought from a suitably qualified ecologist.

Felling Licence

- 2.5 Tree felling is also restricted under the Forestry Act 1967. Under this act, there is an exemption from the need for a felling licence for “Felling trees immediately required for the purpose of carrying out development authorised by planning permission (granted under the Town and Country Planning Act 1990) ...”
- 2.6 If full planning permission is granted, then any trees which require felling to implement the approved plans are exempt from this statutory protection. Outline planning permission does not provide an exemption to the regulations that control tree felling in the Forestry Act 1967.

3.0. Proposed Development Scheme

- 3.1 The Proposed Development is an *Outline planning application for the erection of up to 500 dwellings, including public open space, land reserved for a primary school together with future expansion land (Use Class F1(a)), landscaping, drainage and associated infrastructure.*

4.0. Baseline Tree Survey

- 4.1 The tree survey was undertaken in on 18th and 19th November 2021, by Sam Hobson MICFor, BSc (Hons), MArborA, Director at Seed Arboriculture Ltd.
- 4.2 The tree survey was undertaken in accordance with the methodology outlined within BS5837:2012.
- 4.3 The locations of the trees surveyed are illustrated on the Tree Constraints Plan (TCP) (Appendix 3) together with details of the constraints to new development in accordance with BS5837, including:
- Tree Retention Category
 - Root Protection Areas (RPAs)
 - Tree Canopy Spreads
- 4.4 Details for each of the trees surveyed are provided in the Tree Schedule (Appendix 2), including; reference numbers, species, tree dimensions, life stage, physiological and structural condition, and retention category.

Tree Survey Summary

Trees

- 4.5 The survey recorded 101no. individual trees, comprising of 46no. category B, 52no. category C and 3no. category U retention value.

Groups

- 4.6 The survey recorded 8no. groups of trees, comprising of 5no. category B and 3no. category C retention value.

Hedgerows

- 4.7 53no. hedgerows were also recorded, comprising of 1no. category B and 52no. category C retention value.

5.0. Impact Appraisal

- 5.1 The impact of the proposed development upon existing trees is illustrated on the Arboricultural Impact Plan at Appendix 2.
- 5.2 The principle of tree and group removals required to facilitate the proposed development was found to be acceptable as part of the approved outline planning application.
- 5.3 As far is possible, the design has sought to minimise the requirement for tree removal. However, due to the building and engineering requirements there is conflict with trees which is considered unavoidable.
- 5.4 Table 2 details the tree and group removals required to implement the Proposed Development.

Table 1 – Tree / Group Removal for Proposed Development

	Retention Category				Total
	A	B	C	U	
Trees / Groups / Hedgerows to be removed for Proposed Development	-	T16	T7, T8, T9, T10, T11, T12, T13 H1, H15	-	10
Part-removal of Groups / Hedgerows for Proposed Development	-	H161	H4, H14, H20, H39, H48, H156, H158, H159, H161	-	10 (part-removal)
Total	0	1(+1 part-removal)	9 (+9 part-removal)	0	10 (+ 10 part-removal)

- 5.5 The majority of proposed tree removals are low-quality of limited visibility to from the wider area. The removals will have very minimal negative impact upon the amenity of the site or wider area.
- 5.6 None of the trees proposed for removal are considered aged or veteran and therefore the principles for refusal within the NPPF would not be considered applicable.

Mitigation

- 5.7 Soft landscaping proposals should consider the including of new tree planting within areas of Public Open Space (POS), gardens and landscaped areas.

- 5.8 New tree planting with a variety of suitable species will provide long-term tree cover and much needed diversity among tree species for futureproofing against pests, diseases and the effects of climate change.

Root Protection Areas (RPAs)

- 5.9 The RPA is an area equivalent to a circle with a radius 12 times the diameter of the trees measured at 1.5 metres for single stemmed trees. For trees with more than one stem, one of two calculation methods should be used. In all cases, the stem diameter(s) should be measured in accordance with Annex C, and the RPA should be guided from Annex D of BS5837:2012.
- 5.10 The RPA is an area in which no ground works should be undertaken without due care in relation to the retained tree(s) and this is to avoid soil compaction, changes in levels or soil contamination which could alter the trees condition and/or stability. The shape of the RPA and its exact location will depend upon arboricultural considerations and ground conditions.
- 5.11 The RPA for the trees has been calculated as prescribed by BS5837:2012 and are shown as circles for polygons on the Tree Constraints Plan at Appendix 2. These plans illustrate the relationship between the RPAs associated with the trees and the proposed development.
- 5.12 In addition to the illustration of RPAs on the plans at Appendix 2, the numerical RPA values are provided within the Tree Schedule at Appendix 1. Within the schedule both RPA radius in metres from the main stem and total area for the RPA as square metres.

New RPA Incursions – Permanent Hard-Surfacing

- 5.13 There are a number of new incursions within the RPAs of retained trees resulting from new footpaths. These are all < 20% of the total RPA area of each tree (in accordance with BS5836:2012)
- 5.14 Where possible and practical, detailed design should allow for the use of above-ground construction with a cellular tree root protection system (such as Greenfix Geoweb) to reduce the likelihood of ground compaction.

Facilitation tree pruning

- 5.15 No requirements for facilitation tree pruning have been identified.
- 5.16 Further requirements for facilitation pruning may be identified during the course of construction and should be addressed by ongoing liaison with the Project Arboriculturist.

Future growth

- 5.17 Due to the location of retained trees, future growth of trees is not considered to be an issue to the Proposed Development.
- 5.18 Minor pruning of lateral branches will address any issues where the canopy of trees encroaches towards the proposed buildings.

6.0. Tree Protection

- 6.1 Full details of tree protection measures including construction methods, schedule of arboricultural supervision and specific forms of tree protection should be provided within a detailed Arboricultural Method Statement following planning approval.
- 6.2 To ensure all tree protection measures are implemented, arboricultural supervision should be undertaken by an appointed Project Arboriculturist (PA). The PA will be a suitably qualified arboriculturist appointed by the client / contractor / other party responsible for implementation of tree protection measures.

Tree Protection Fencing

- 6.3 The principal protection for the retained trees is provided by Tree Protection Fencing (TPF) positioned to form a Construction Exclusion Zone (CEZ) around retained trees. No access should be allowed to the other than for operations specified in the approved documents or those agreed with the LPA later.
- 6.4 The CEZ must be in place prior to the commencement of construction work on site. The TPF must not be moved or relocated without approval from the Project Arboriculturist and, where necessary, approval from the Local Planning Authority.
- 6.5 The TPF specification should be fit for the purpose of excluding construction activity and appropriate to the degree and proximity of work taking place around the retained trees.
- 6.6 The most common specification as illustrated in BS5836:2012 Figure 3b (Appendix 3) comprises welded mesh panels (Heras Fencing) on rubber or concrete feet, the panels should be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed from within the fence. The distance between fence couplers should be at least 1m and should be uniform throughout the fence. The panels should be supported on the inner side by stabilizer struts, which should normally be attached to a base plate secured with ground pins. Where the fencing is to be erected on retained hard surfacing or it is otherwise unfeasible to use ground pins, e.g. due to the presence of underground services, the stabilizer struts should be mounted on a block tray.
- 6.7 Weatherproof signage will be attached to the fencing with words such as 'Construction Exclusion Zone – No Access'.
- 6.8 At the end of the project the fence will be removed only after confirmation by the Project Arboriculturist and the Council that this is appropriate.

7.0. References

- 7.1 British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction - Recommendation'
- 7.2 British Standard 3998:2010 'Tree work – Recommendations'
- 7.3 BS8545:2014 Trees: from nursery to independence in the landscape – Recommendations
- 7.4 National Planning Policy Framework (NPPF) 2021
- 7.5 The Forestry Act 1967
- 7.6 The Town and Country Planning Act 1990
- 7.7 The Town and Country Planning (Tree Preservation) (England) Regulations 2012.

8.0. Caveats and Limitations

- 8.1 The report is for the sole use of the client and its reproduction or use by anyone else is forbidden unless written consent is given by the author.
- 8.2 This is an arboricultural report and as such no reliance should be given to comments relating to buildings, engineering, soils ecological or archaeological data. If either is commented upon within the report further professional advice should be sought.
- 8.3 This is not a Tree Risk Assessment. As such this report should not be taken to mean or imply that any of the inspected trees should be considered safe. A Tree Risk Assessment can be provided but would be subject to additional survey requirement and further fees.
- 8.4 Trees are growing dynamic structures. Whilst reasonable effort has been made to identify defects within the trees inspected, no guarantee can be given as to the absolute safety or otherwise of any individual tree. No tree is ever absolutely safe due to the unpredictable laws and forces of nature. As a result of this, natural failure of intact trees will occur; extreme climatic conditions can cause damage to even apparently healthy trees.
- 8.5 For the purposes of this survey all dimensions of trees and their associated parts are based on estimation unless otherwise stated.
- 8.6 Trees are living organisms whose health, condition and structure can change quickly and without warning. Therefore, the contents of this report are valid for a period of one year from the date of this survey.



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APPENDIX 1 - Tree Schedule

Sequential Reference No.	Species	Height (m)	Stem Diameter (mm)	Branch Spread (m)				Canopy Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments / Notes	Management Recommendations (Priority)	Estimated Remaining Contribution (Years)	Category Grading	Root Protection Radius (m)
				North	East	South	West									
H1	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H2	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H3	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna) Field maple (Acer campestre)	7	# 150	1	1	1	1	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	1.8
H4	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T5	Common hawthorn (Crataegus monogyna)	5	# 100	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.68
T6	Common alder (Alnus glutinosa)	5	# 130	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	1.56
T7	Hornbeam (Carpinus betulus)	5	# 130	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	3.49
T8	Common lime (Tilia x europaea)	5	# 150	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	1.8
T9	English oak (Quercus robur)	5	# 150	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	1.8
T10	Common lime (Tilia x europaea)	5	# 230	3	3	3	3	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.76
T11	Common lime (Tilia x europaea)	5	# 230	3	3	3	3	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.76
T12	Common ash (Fraxinus excelsior)	7	# 280 150	4	4	4	4	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	3.81
T13	Common ash (Fraxinus excelsior)	4	# 150	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	1.8
H14	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H15	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T16	English oak (Quercus robur)	11	# 600	5	5	5	5	N/A	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	7.2
T17	Common ash (Fraxinus excelsior)	8	# 600	3	3	3	3	N/A	Mature	Poor	Poor	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Major Condition considered typical of species and age	No Work Recommended	10+	C1	7.2
T18	Common ash (Fraxinus excelsior)	6	# 600	1	1	1	1	N/A	Dead	Dead	Dead	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Major Dead tree / trees	No Work Recommended	<10	U	7.2
H19	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H20	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
G21	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	9	# 200	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	20+	B1	2.4

Sequential Reference No.	Species	Height (m)	Stem Diameter (mm)	Branch Spread (m)				Canopy Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments / Notes	Management Recommendations (Priority)	Estimated Remaining Contribution (Years)	Category Grading	Root Protection Radius (m)
				North	East	South	West									
G22	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	8	# 250	3	3	3	3	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Condition considered typical of species and age	No Work Recommended	20+	B1	3
H23	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H24	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T25	Common ash (Fraxinus excelsior)	12	# 900	5	4	5	5	N/A	Mature	Poor	Poor	Access to inspect base - Restricted / obscured Ivy or climbing plant Decay - Major Decay - Open cavity / cavities Deadwood - Major Condition considered typical of species and age	No Work Recommended	10+	C1	10.8
H26	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T27	Wild cherry (Prunus avium)	11	# 350 350 250	5	5	5	5	N/A	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	6.65
T28	Common ash (Fraxinus excelsior)	14	# 900	6	6	6	6	N/A	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Bark wound - Mammal Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	10.8
T29	Silver maple (Acer saccharinum)	12	# 550	5	5	5	5	N/A	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	6.6
T30	Norway maple (Acer platanoides)	9	# 400	4	4	4	4	N/A	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	4.8
H31	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T32	Common ash (Fraxinus excelsior)	13	# 950	7	7	7	7	N/A	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	11.4
T33	Norway maple (Acer platanoides)	8	# 300	4	4	4	4	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	3.6
G34	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	10	# 300	3	3	3	3	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Condition considered typical of species and age over stream	No Work Recommended	20+	B1	3.6
H35	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T36	Willow sp. (Salix sp.)	6	# 10x100	4	4	4	4	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	3.79
T37	Common ash (Fraxinus excelsior)	13	# 800	6	6	6	6	N/A	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	9.6
H38	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H39	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T40	Common ash (Fraxinus excelsior)	13	# 500 550	5	5	5	5	N/A	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	8.92
H41	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T42	English oak (Quercus robur)	7	# 300	3	3	3	3	N/A	Early Mature	Fair	Fair	Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	3.6
T43	English oak (Quercus robur)	12	# 750	7	7	7	7	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	9
T44	Common ash (Fraxinus excelsior)	14	# 1100	8	8	8	8	N/A	Mature	Poor	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	13.2

Sequential Reference No.	Species	Height (m)	Stem Diameter (mm)	Branch Spread (m)				Canopy Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments / Notes	Management Recommendations (Priority)	Estimated Remaining Contribution (Years)	Category Grading	Root Protection Radius (m)
				North	East	South	West									
T45	Common ash (Fraxinus excelsior)	11	# 700	5	5	5	5	3	Mature	Poor	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	8.4
T46	Common ash (Fraxinus excelsior)	12	# 800	5	5	5	5	3	Mature	Poor	Fair	Root environment - Compacted Deadwood - Major Condition considered typical of species and age	No Work Recommended	10+	C1	9.6
T47	Common ash (Fraxinus excelsior)	12	# 800	4	4	4	4	3	Mature	Poor	Poor	Root environment - Compacted Deadwood - Major	No Work Recommended	<10	U	9.6
H48	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H49	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H50	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T51	Common ash (Fraxinus excelsior)	13	# 950	6	6	6	6	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	11.4
T52	Lawson's cypress (Chamaecyparis lawsoniana)	16	# 700	5	5	5	5	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	8.4
H53	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H54	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
G55	Mixed Broadleaf Mixed Conifer Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Condition considered typical of species and age Mixed garden planting and regen	No Work Recommended	10+	C1	0.6
H56	Mixed Broadleaf Mixed Conifer Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T57	Horse chestnut (Aesculus hippocastanum)	8	# 550	4	4	4	4	3	Mature	Fair	Poor	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	6.6
T58	Common ash (Fraxinus excelsior)	11	# 650	5	5	5	5	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	7.8
T59	Field maple (Acer campestre)	8	# 550	4	4	4	4	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	6.6
T60	Common ash (Fraxinus excelsior)	13	# 900	6	6	6	6	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	10.8
T61	Common ash (Fraxinus excelsior)	10	# 500	4	4	4	4	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	6
H62	Mixed Broadleaf Mixed Conifer Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T63	Common ash (Fraxinus excelsior)	12	# 700	6	6	6	6	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	8.4
T64	Common ash (Fraxinus excelsior)	11	# 600	6	6	6	3	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	7.2
T65	Common ash (Fraxinus excelsior)	10	# 750	4	4	4	4	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	9
G66	Common ash (Fraxinus excelsior)	8	# 150	3	3	3	3	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Condition considered typical of species and age	No Work Recommended	10+	C1	1.8

Sequential Reference No.	Species	Height (m)	Stem Diameter (mm)	Branch Spread (m)				Canopy Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments / Notes	Management Recommendations (Priority)	Estimated Remaining Contribution (Years)	Category Grading	Root Protection Radius (m)
				North	East	South	West									
H67	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	3	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T68	Common ash (Fraxinus excelsior)	16	# 900	7	7	7	7	3	Mature	Poor	Poor	Access to inspect base - Restricted / obscured Fungal fruiting body - Parasitic Bark exudation Deadwood - Major Sparse Crown Decline - Evident / observed Innonotus on stem Remove if occupancy or target changes	Fell - Ground level (1)	<10	U	10.8
H69	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T70	Common ash (Fraxinus excelsior)	17	# 950	8	8	8	8	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	11.4
G71	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna) English oak (Quercus robur) Wych elm (Ulmus glabra) Lawson's cypress (Chamaecyparis lawsoniana)	8	# 200	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Condition considered typical of species and age	No Work Recommended	20+	B1	2.4
H72	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T73	Common ash (Fraxinus excelsior)	9	# 300	3	3	3	3	3	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	3.6
T74	Common ash (Fraxinus excelsior)	17	# 900	6	6	6	6	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	10.8
G75	Common ash (Fraxinus excelsior) Sycamore (Acer pseudoplatanus) Wych elm (Ulmus glabra) Pine sp. (Pinus sp.)	7	# 150	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Condition considered typical of species and age	No Work Recommended	10+	C1	1.8
T76	Common lime (Tilia x europaea)	9	# 350	3	3	3	3	3	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	4.2
H77	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T78	Sycamore (Acer pseudoplatanus)	9	# 400	3	3	3	3	3	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	4.8
T79	Common ash (Fraxinus excelsior)	18	# 850	7	7	7	7	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	10.2
T80	Common ash (Fraxinus excelsior)	18	# 900	7	7	7	7	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	10.8
H81	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H82	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	5	# 90	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	1.08
H83	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H84	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T85	Common ash (Fraxinus excelsior)	15	# 450 400	5	5	5	5	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	7.22
T86	Common ash (Fraxinus excelsior)	15	# 400	7	7	7	7	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Multiple stems from base Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	10.73
T87	Common ash (Fraxinus excelsior)	15	# 650	6	6	6	6	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	7.8

Sequential Reference No.	Species	Height (m)	Stem Diameter (mm)	Branch Spread (m)				Canopy Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments / Notes	Management Recommendations (Priority)	Estimated Remaining Contribution (Years)	Category Grading	Root Protection Radius (m)
				North	East	South	West									
T88	Golden weeping willow (Salix x sepulcralis 'Chrysocoma')	13	# 900	7	7	7	7	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age	No Work Recommended	20+	B1	10.8
H89	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	5	# 100	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	1.2
T90	Common ash (Fraxinus excelsior)	18	# 950	7	7	7	7	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age Hanging branch	No Work Recommended	20+	B1	11.4
T91	Common lime (Tilia x europaea)	18	# 900	7	7	7	7	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age	No Work Recommended	20+	B1	10.8
H92	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra)	4	# 100	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	1.2
T93	Common hawthorn (Crataegus monogyna)	8	# 300 300	3	5	3	5	3	Mature	Fair	Fair	Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	5.09
T94	Common ash (Fraxinus excelsior)	19	# 950	7	7	7	7	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age	No Work Recommended	20+	B1	11.4
T95	False acacia (Robinia pseudoacacia)	12	# 400	4	4	4	4	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age	No Work Recommended	20+	B1	4.8
T96	False acacia (Robinia pseudoacacia)	12	# 400	4	4	4	4	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age	No Work Recommended	20+	B1	4.8
T97	Norway spruce (Picea abies)	11	# 400	3	3	3	3	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age	No Work Recommended	20+	B1	4.8
H98	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H99	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T100	Wych elm (Ulmus glabra)	8	# 350	3	3	3	3	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	4.2
H101	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T102	Black walnut (Juglans nigra)	8	# 300	3	3	3	3	3	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	3.6
H103	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T104	Apple sp. (Malus sp.)	7	# 300	3	3	3	3	3	Mature	Fair	Fair	Access to inspect base - Not possible Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	3.6
T105	Thuja sp. (Thuja sp.)	9	# 400	3	3	3	3	3	Mature	Fair	Fair	Access to inspect base - Not possible Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	4.8
H106	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T107	Lawson's cypress (Chamaecyparis lawsoniana)	10	# 400	3	3	3	3	3	Mature	Fair	Fair	Access to inspect base - Not possible Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age	No Work Recommended	10+	C1	4.8

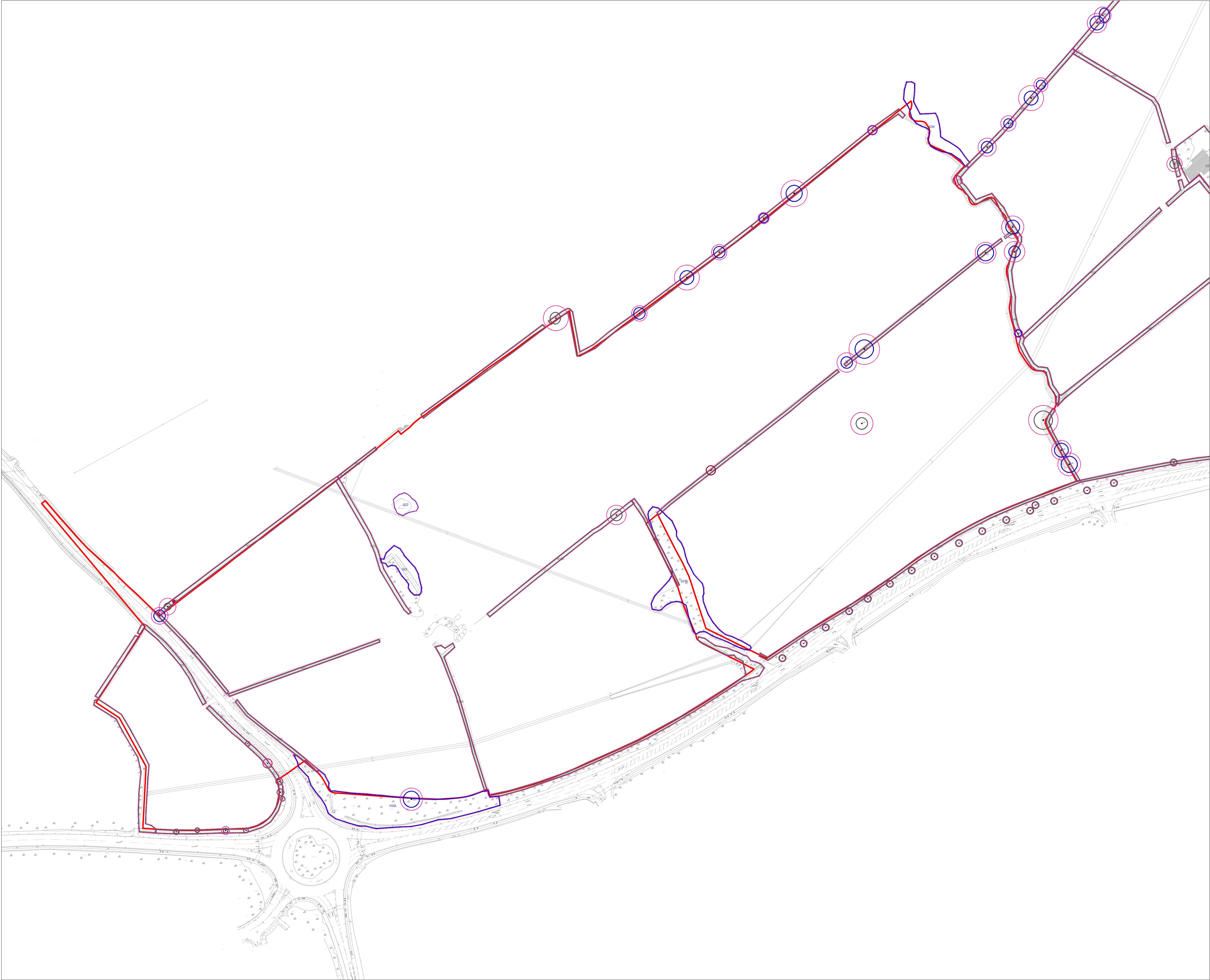
Sequential Reference No.	Species	Height (m)	Stem Diameter (mm)	Branch Spread (m)				Canopy Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments / Notes	Management Recommendations (Priority)	Estimated Remaining Contribution (Years)	Category Grading	Root Protection Radius (m)
				North	East	South	West									
T108	Lawson's cypress (Chamaecyparis lawsoniana)	10	# 400	3	3	3	3	3	Mature	Fair	Fair	Access to inspect base - Not possible Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age	No Work Recommended	10+	C1	4.8
H109	Lawson's cypress (Chamaecyparis lawsoniana)	2	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H110	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H111	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	5	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H112	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	8	# 200	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T113	Common ash (Fraxinus excelsior)	15	# 700	7	7	7	7	3	Mature	Fair	Fair	Access to inspect base - Not possible Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	8.4
T114	Common ash (Fraxinus excelsior)	18	# 1200	8	8	8	8	3	Over Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age Fungal bracket 10m into crown south side	No Work Recommended	20+	B1	14.4
T115	Field maple (Acer campestre)	9	# 250	4	4	4	4	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	3
T116	Common ash (Fraxinus excelsior)	12	# 350	5	5	5	5	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	4.2
T117	Common ash (Fraxinus excelsior)	12	# 400	5	5	5	5	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	4.8
T118	Field maple (Acer campestre)	8	# 250	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	3
T119	Common ash (Fraxinus excelsior)	12	# 450	5	5	5	5	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	5.4
T120	English oak (Quercus robur)	15	# 650 400 400	7	7	7	7	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Multiple stems from base Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	10.34
T121	Common ash (Fraxinus excelsior)	15	# 400	5	5	5	5	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	4.8
T122	Common ash (Fraxinus excelsior)	15	# 500 350	5	5	5	5	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	7.32
T123	Common ash (Fraxinus excelsior)	18	# 750 750	7	7	7	7	2	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Multiple stems from base Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	12.73
H124	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T125	Common ash (Fraxinus excelsior)	14	# 550	5	5	5	5	2	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	6.6
H126	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T127	Field maple (Acer campestre)	7	# 200	3	3	3	3	1	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T128	Common ash (Fraxinus excelsior)	7	# 200	4	4	4	4	1	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4

Sequential Reference No.	Species	Height (m)	Stem Diameter (mm)	Branch Spread (m)				Canopy Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments / Notes	Management Recommendations (Priority)	Estimated Remaining Contribution (Years)	Category Grading	Root Protection Radius (m)
				North	East	South	West									
T129	Common ash (Fraxinus excelsior)	7	# 200	4	4	4	4	1	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T130	Field maple (Acer campestre)	7	# 200	3	3	3	3	1	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
H131	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T132	Common ash (Fraxinus excelsior)	7	# 200	3	3	3	3	1	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
H133	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T134	Common ash (Fraxinus excelsior)	15	# 650 500	7	7	7	7	2	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Multiple stems from base Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	9.84
T135	Common ash (Fraxinus excelsior)	15	# 700	6	6	6	6	2	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	20+	B1	8.4
T136	Willow sp. (Salix sp.)	15	# 7x400	8	8	8	8	2	Mature	Fair	Fair	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	12.7
H137	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T138	Common lime (Tilia x europaea)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T139	Common ash (Fraxinus excelsior)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T140	Field maple (Acer campestre)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T141	Field maple (Acer campestre)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T142	Common ash (Fraxinus excelsior)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T143	Field maple (Acer campestre)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T144	Common ash (Fraxinus excelsior)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T145	Common ash (Fraxinus excelsior)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T146	Field maple (Acer campestre)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T147	Common ash (Fraxinus excelsior)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T148	English oak (Quercus robur)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T149	Field maple (Acer campestre)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T150	Field maple (Acer campestre)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T151	Common ash (Fraxinus excelsior)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4

Sequential Reference No.	Species	Height (m)	Stem Diameter (mm)	Branch Spread (m)				Canopy Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments / Notes	Management Recommendations (Priority)	Estimated Remaining Contribution (Years)	Category Grading	Root Protection Radius (m)
				North	East	South	West									
T152	English oak (Quercus robur)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
T153	Field maple (Acer campestre)	6	# 200	3	3	3	3	2	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	2.4
H154	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
G155	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	6	# 150	1	1	1	1	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Condition considered typical of species and age	No Work Recommended	20+	B1	1.8
H156	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T157	Common ash (Fraxinus excelsior)	12	# 700	5	5	5	5	2	Mature	Fair	Poor	Access to inspect base - Restricted / obscured Deadwood - Minor Condition considered typical of species and age	No Work Recommended	10+	C1	8.4
H158	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
H159	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6
T160	Common ash (Fraxinus excelsior)	15	# 800	7	7	7	7	2	Mature	Fair	Poor	Access to inspect base - Restricted / obscured Ivy or climbing plant Deadwood - Minor Off-site tree, all readings estimated Condition considered typical of species and age	No Work Recommended	20+	B1	9.6
H161	Blackthorn (Prunus spinosa) Common ash (Fraxinus excelsior) Common hawthorn (Crataegus monogyna) English oak (Quercus robur) Field maple (Acer campestre) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	8	# 200	2	2	2	2	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Condition considered typical of species and age	No Work Recommended	20+	B1	2.4
H162	Blackthorn (Prunus spinosa) Common hawthorn (Crataegus monogyna) Wych elm (Ulmus glabra) Common holly (Ilex aquifolium)	1	# 50	N/A	N/A	N/A	N/A	N/A	Early Mature	Fair	Fair	Access to inspect base - Restricted / obscured Hedgerow - Maintained Condition considered typical of species and age	No Work Recommended	10+	C1	0.6

APPENDIX 2 – Plans

Tree Constraints Plan Arboricultural Impact Plan



**Richborough Estates
and Mr & Mrs Adcock**

ZTL 117
Hinckley North

ZTL 101
Tree Constraints Plan

date March 2022
status Planning

rev -

revision description	00/00/21
-	

- KEY.
- Trees / Groups
- Canopy Spread
 - Tree Stem
 - Root Protection Area
- A Category Tree (High quality / retention value)
 - B Category Tree (Moderate quality / retention value)
 - C Category Tree (Low quality / retention value)
 - U Category Tree (No remaining retention value)

N scale 1 : 1500 @ A1

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Richborough Estates
and Mr & Mrs Adcock

ZTL 117
Hinckley North

ZTL 201
Arboricultural Impact Plan

date March 2022
status Planning

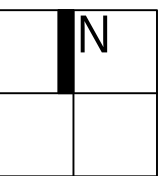
rev A

Rev A Amended layout 28/03/2022

KEY.

- Trees / Groups
- Canopy Spread
 - Tree Stem
 - Root Protection Area
- A Category Tree
(High quality / retention value)
- B Category Tree
(Moderate quality / retention value)
- C Category Tree
(Low quality / retention value)
- U Category Tree
(No remaining retention value)
- Arboricultural Impact
- Tree / Group to be REMOVED
 - Group / Hedge PART-REMOVAL

scale 1 : 1500 @ A1

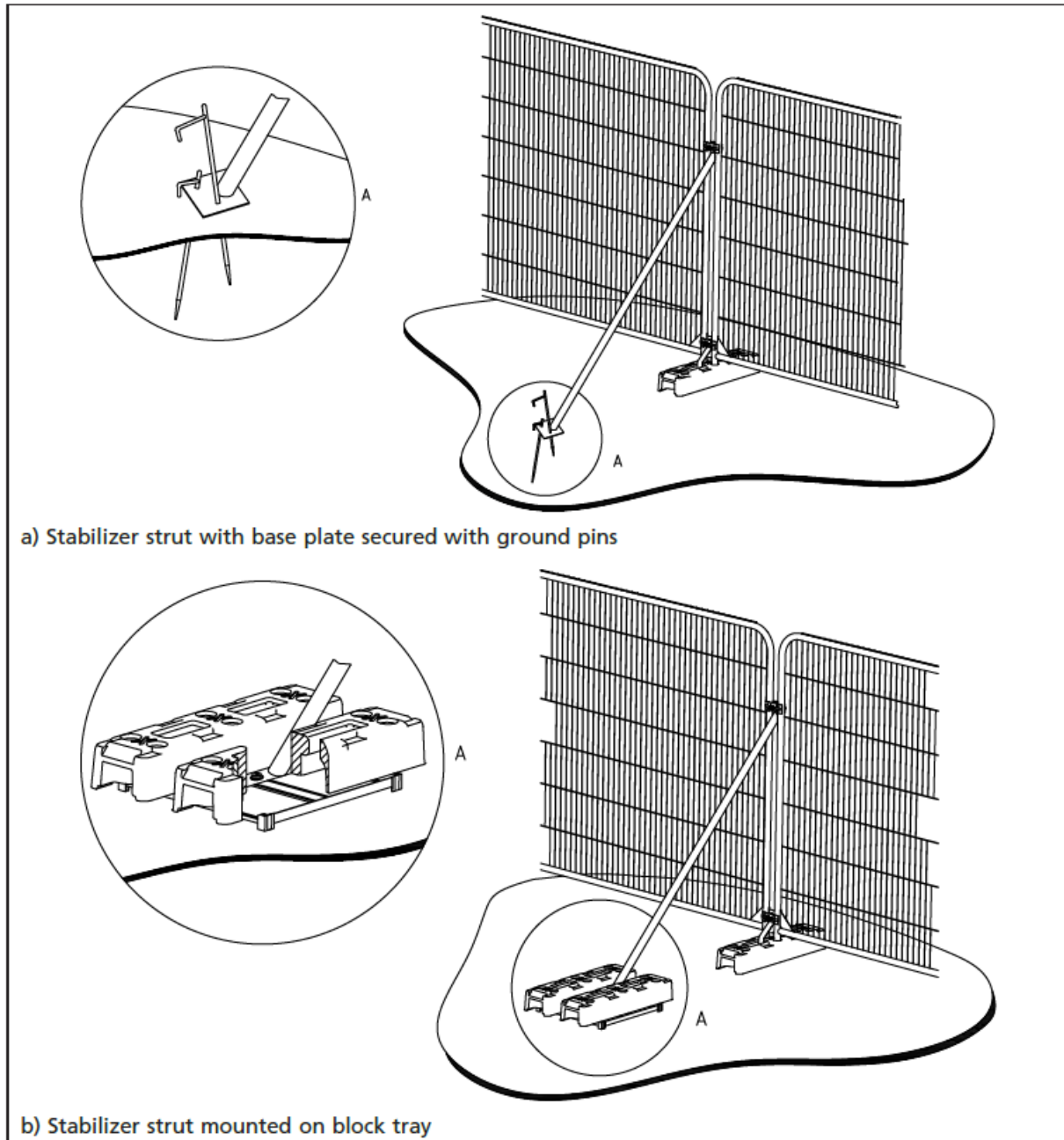


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Figure 3 Examples of above-ground stabilizing systems



TREE PROTECTION AREA



NO ACCESS - TREE PROTECTION AREA

- NO MATERIALS, MACHINERY, TEMPORARY STRUCTURES OR CHEMICALS SHALL ENTER OR BE STORED WITHIN THIS AREA
- FENCING WILL NOT BE ALTERED OR MOVED WITHOUT PRIOR AGREEMENT OF THE PROJECT ARBORICULTURIST.



TREE PROTECTION FENCING

- TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A TREE PRESERVATION ORDER.
- UNAUTHORISED DAMAGE TO PROTECTED TREES IS A CRIMINAL OFFENCE AND COULD LEAD TO ENFORCEMENT ACTION.



ARBORICULTURAL CONSULTANTS

For any issues relating to this Tree Protection Fencing or other guidance with any arboricultural matters on this development, please contact **Seed Arboriculture Ltd.**

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