



Tree Survey

Preliminary Arboricultural Impact Assessment and Method Statement

Highfields
West Hill
East Grinstead
RH19 4DL

(TQ 39003 37820)

Job Ref	Version	Author	Agent	Client	Date
AAS/0511	Rev 02	RR	-	Igloo Care Ltd	06/05/2025



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Roz Richardson

Relevant Qualifications

Technicians Certificate in Arboriculture (ABC)

Arborist Certificate (International Society Arboriculture)

Certificate Arboriculture (Royal Forestry Society)

LANTRA Professional Tree Inspection

BSc Hon Environment Management (Forestry, Plant Biology & Soils Modules)

HND Environmental Land Management (Forestry, Woodland Management, Soils & Plant Biology modules)

ND Countryside Recreation, (Woodland Management, Soils and Plant Biology modules)

Professional Membership

Professional Member of the Arboricultural Association since 2019

Membership number PR7134

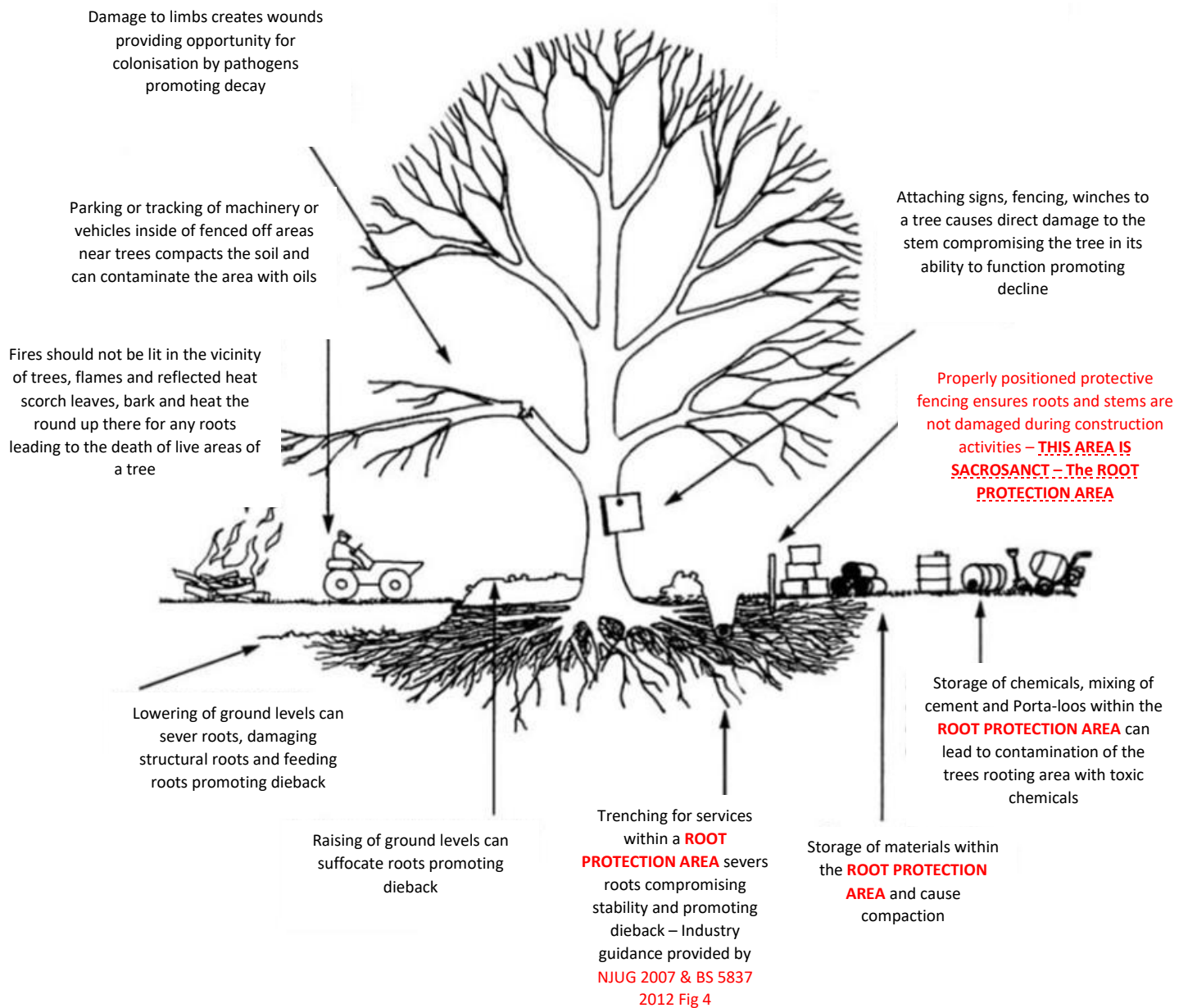


Experience

My industry experience comprises 20 yrs. as an Arboricultural/Tree Officer at four local authorities, with a supporting background in land management, soil water management, tree surgery and contract forestry.

A handwritten signature in black ink, appearing to read "Roz Richardson", enclosed within a circular scribble.

Common Causes of Tree Deaths which Must Be Avoided



1.0 Introduction and Term of Reference

- 1.1 Arc Arboricultural Solutions Ltd has been instructed by Igloo Care Ltd to undertake a Tree Survey, preliminary Arboricultural Impact Assessment and Method Statement at Highfields, West Hill, East Grinstead, RH19 4DL; following guidance in BS 5837 2012 Trees in Relation to Demolition, Design and Construction – Recommendations
- 1.2 The site survey was carried out on 26th November 2024 by Roz Richardson - This survey is based on a preliminary site survey; trees on site and immediately adjacent to the site have been inspected and relative qualitative tree data recorded in the Tree Schedule. Initial constraints upon the prospective development have been determined based on the information provided and the necessary protection and construction specifications required to allow their retention provided.
- 1.3 The report, any attached documents and subsequent revisions will form part of the supporting documents of any formal planning application in respect of the site and as such will be open to public scrutiny and comment.

Figure 1 – Screen shot from OS Maps showing location of Highfields



2.0 Limitations

- 2.1 The content of this report is valid for one year from the date shown on the title page.
- 2.2 The tree survey has been carried out from ground level using non-invasive methods using the Visual Tree Assessment (VTA) method developed by Mathheck and Breloer (1994); the survey is for the purpose of categorising tree(s) for future development. Trees are dynamic living organisms whose health and condition can be subject to rapid change depending on internal and external factors. While preliminary tree management recommendations have been provided this document is not a tree safety report.
- 2.3 The content and layout of this report are owned by the author, this report may not be copied or used without the author's agreement for any purpose other than the purpose indicated in this report.

The report was prepared by the author at the instruction of and for the use by the client named within the report. The author provides the advice without prejudice and bases his opinions on knowledge, experience, qualifications and published research and cannot be held responsible for the consequences of a difference of opinion held by third parties, for example the Local Planning Authority or Planning Inspector. The author does not accept liability for any loss or damage arising from reliance on the content of this report.

3.0 Statutory Obligations

3.1 Trees

- 3.1.1 Trees may be afforded statutory protection under a Tree Preservation Order (TPO) or designated Conservation Area (CA).
- 3.1.2 CA status affords living trees that exceed 75mm at 1.3m above ground level legal protection. Full planning consent (not outline) will override the need for any further application for tree work operations, providing that details of all tree works are included in submission and subsequently approval of any planning application by the local planning authority
- 3.1.3 TPO status affords individual trees, groups, areas, or woodlands listed on a TPO schedule and plotted on a plan legal protection. Unauthorised works to trees is an offence and carries penalties.
- 3.1.4 The local planning authority can make new TPOs at any time without advanced notice. It is common for LPAs to make new TPOs on receipt of details of projects that may harm trees. Penalties for offences relating to TPO trees include, but are not exclusive to, lopping, topping, damaging or destroying trees which can be unintentionally caused by such simple means as damaging the soil structure around the trees during site preparation or building work.

The effect of a Tree Preservation Order is that a formal application will normally need to be submitted to the local planning authority (LPA) (subject to exceptions) for tree works. Such an application may be refused, approved, or approved subject to conditions. There is a right of appeal against refusals, conditions, or non-determination.

Unauthorised work, wilful damage, or destruction etc is a criminal offence, on summary conviction leading to fines of up to £20,000 per tree and on indictment, to an unlimited fine and/or imprisonment. All trees are a 'material consideration' in the town planning context and extra weight is normally given to those the subject of the above statutory protection. If TPOs are applied, it is imperative that the LPA is consulted with respect to any activities that affect trees whether directly or indirectly.

3.2 Hedges

3.2.1 Hedges may be protected under the Hedgerow Regulations 1997 and a requirement for a hedgerow removal notice required. Where a hedgerow is 20m or more in length and meets another hedgerow, if the hedge is located on or alongside one of the following: -

- Agricultural land, grazing/paddock land
- Common land, including town or village greens.
- Land used for forestry or the breeding or keeping of horses, ponies, or donkeys;
or
- A Local Nature Reserve or Site of Special Scientific Interest.

Full planning consent (not outline) will override the need for any further application for a hedgerow notification, providing no 'conditions' are applied on a decision notice being issued.

3.3 Wildlife

3.3.1 Wildlife – prior to undertaking any tree works the laws in respect of protected species and habitats needs to be observed. Where tree works are required advice may be required from a suitably qualified person prior to being able to proceed, this may require tree works being scheduled outside of the bird nesting period, typically March – August inclusive.

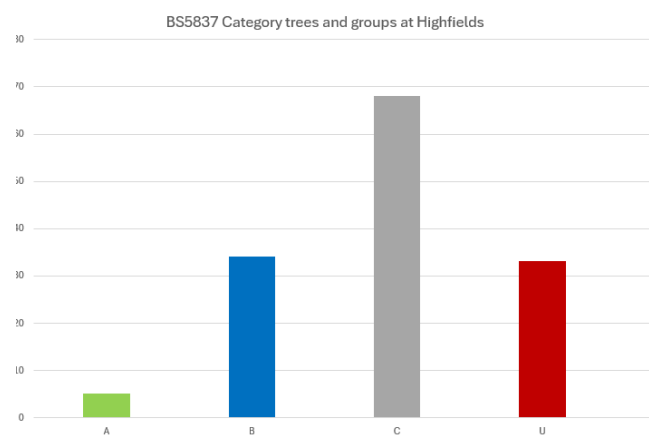
The following legislation protects various habitats and species of animals in the UK: -

- Wildlife and Countryside Act 1981(as amended)
- Natural Environment and Rural Communities Act 2006 (NERC Act)
- Conservation of Habitats and Species Regulations 2010 (as amended)
- Protection of Badgers Act 1992
- The Hedgerows Regulations 1997
- Countryside and Rights of Way Act 2000

4.0 Executive Summary

4.1 A total of 140 trees, groups and hedges/wooded areas have been surveyed, summary of findings is shown below, full details in the tree schedule Appendix 1.

Table 1 – Tree categorisation



4.2 It is proposed to remove the existing dwelling, create a new access road from West Hill and construct a new care home and annex with associated infrastructure.

4.3 There will be minor encroachment into the Root Protection Area (RPA) of five retained trees.

4.4 Thirty-eight trees have been identified for removal, of those twenty-six are for reasons of Health and safety, twelve have been identified to facilitate the development. - further details are provided in the tree schedule Appendix 1.

Table 2 - Development impacts and mitigation measures.

Potential Development Impact	Tree(s) Affected	Mitigation Measures
Removal of trees due to incompatibility with development	G1848/1a, b, 3xW1804, 1849, 1851, 1852, 1870, 1872, 1875, 1879	Landscaping scheme with replacement planting
Access	T1853, 1867, 1873, 1877	Hand dug trench and root prune, encroachment less than 20%
Footprint of care home and annex	1919	Encroachment is insignificant unlikely to be any roots due to tree being on raised ground – No mitigation

Table 3 - Tree Works to facilitate development

Tree ID	Proposed Works
G1848/1a, b, W1804, 1849, 1851, 1852, 1870, 1872, 1875, 1879	Remove due to incompatibility with development
1853, 1918, 1928	Hand excavation and root pruning
1813, 1814, 1815, 1824, 1826, 1827, 1830, 1833, 1834, 1835, 1837, 1838, 1841, 1842, 1843, 1844, 1845, 1847, 1854, 1855, 1861, 1868, 1869	Remove – category 'U' trees.

5.0 Survey Methodology

- 5.1 Trees on or adjacent to the site have been attributed a retention category as detailed in British Standard 5837 2012 'Trees in Relation to Design, Demolition & Construction – Recommendations'. The Root Protection Area (RPA) of individual trees or the largest tree within a group has been calculated based on its stem diameter and this has been used to produce a Tree Constraints and Protection Plan – see Appendix 2
- 5.2 Individually surveyed trees have been given a notional identification e.g. T1, T2, groups of trees G1, G2, woodland W1, W2 and hedgerows H1, H2. Full survey details and work recommendations.
- 5.3 Tree Categorisation - Trees of A and B category should be considered as constraints to development, informing layout and design every attempt should be made to provide space for category A and B trees to enhance and flourish within a design while not placing post development pressure upon any retained tree. Trees of a C category will not usually be retained where they would impose a significant constraint to development. U category trees are in such a condition that they will be lost within 10 years and may be removed as good arboricultural practice.

All survey data is presented in the tree schedule– Appendix 1.

6.0 Site Overview and Project details.

- 6.1 Highfields is a detached property occupying approximately 1.3 ha accessed from the north from West Hill.

Figure 2 – Google Earth screen shot of Highfields



- 6.2 The proposed project seeks to demolish the existing dwelling and construct a care home and create a new access from the western boundary off West Hill.

Figure 3 - Site existing

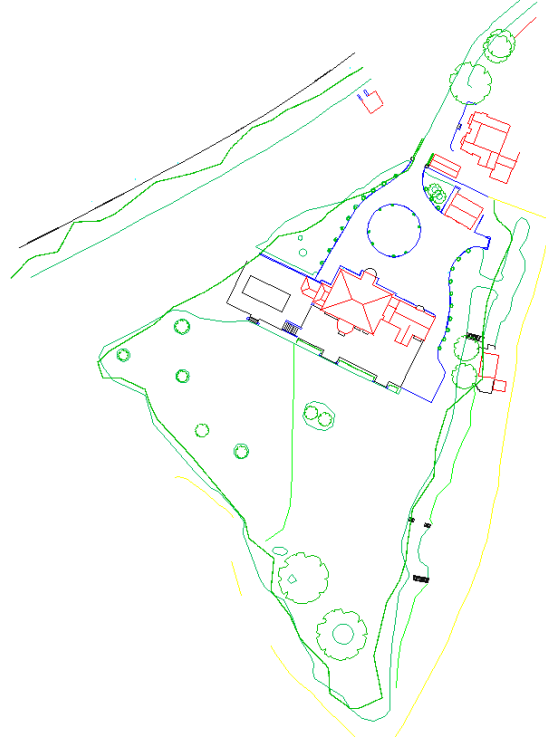


Figure 4 – Proposed layout



6.2 Details of statutory controls (TPO and CA) have been obtained from Mid Sussex District Council online mapping service: -

- Conservation Area – N/A
- Tree Preservation Orders – GR/04/TPO/84

6.3 Soils data obtained from a desk top study provides an indication of soil type; this report does not provide information on soil shrinkability which may be required for practitioners in other disciplines e.g. engineers designing foundations.

- Soil – Ardingly Sandstone Member - Sandstone (<https://www.landis.org.uk/soilscapes/>)
- Bedrock - Weald Clay Formation - Mudstone. Sedimentary bedrock
(https://geologyviewer.bgs.ac.uk/?_ga=2.46386095.928555805.1731788989-534158303.1731788989)

7.0 Arboricultural Impact Assessment

- 7.1 Trees impose both above ground and below ground constraints; crowns, branches and trunks of retained trees (the trees that are kept in-situ as part of any scheme) present a physical constraint and these trees must not be subjected to any impact damage that be incurred by plant and machinery if they are to survive and continue to contribute the environment in the long-term.

The root systems of retained trees represent the most critical constraint, albeit an invisible one under normal circumstances. The most valuable part of the root systems for maintaining health and structural anchorage of trees is mostly located in the upper 600 millimetres of a soil profile.

Figure 5 - Diagram showing typical root morphology of a mature tree growing in homogenous ground conditions.



- 7.2 The Arboricultural Impact Assessment (AIA) uses tree data collected on site and information provided to evaluate direct and indirect effects of the proposed project and where necessary recommend mitigation.

- 7.2.1 **Access** – Access into the site will utilise the existing access from West Hill (until the new access is constructed); details provided on plan ref AAS/0511 – TPP Rev 02 May 2025, Appendix 2.
- 7.2.2 **Services** – Details of additional services have not been provided, services are in situ on site from the existing property, additions to the existing services/new services can be achieved through consideration for the RPAs and by staying outside of any RPA.
- 7.2.3 **Topography** (Implications of sloping ground) – the site is considered relatively flat. The implications of this are more to do with the potential for contamination from liquids e.g. fuel, oils, chemicals e.g. porta-loo and cement mixing and washing moving downhill and/or contaminating high water tables – this is not considered a constraint on this site.
- 7.2.3 **Demolition Phase** – The demolition of the main dwelling can be achieved without compromising any retained trees and their RPA's.
- 7.2.4 **Construction Phase** –
- New Access and parking** – The new access from West Hill will require the removal of thirteen trees, of these twelve are 'C' category trees, one is 'U' category. The access road and parking layout will encroach into the RPA of four retained trees.
- Care Home and annex** – The annex to the south of the site will require the removal of one 'C' category tree to facilitate development. No trees will be removed to facilitate the main care home, there is minor encroachment into the RPA of retained trees on the eastern side a category 'A' tree.
- 7.2.5 **Protective Tree Fencing/ground protection**–Protective fencing and temporary ground protection will be required to ensure the retained trees are not compromised during the development – details provided in Appendix 2 Tree Protection Plan AAS/0511 TPP Rev 02 May 2025.

Protective Tree Fencing – typically this will be a weldmesh type fencing secured on weighted bases or poles driven into the ground; ‘Heras’ style fencing.

Ground Protection – the use of a proprietary ground protection is desirable to accommodate the likely load. Alternatives may be used if agreed and proven not to distort or cause compaction to the underlying soil. Where only light vehicles are operating e.g. barrows, trolleys, thick wooden boards or scaffold planks can be used. These should be placed over a minimum of 150mm of compressible woodchip placed over a membrane for ease of removing and to prevent integration with the existing ground conditions.

- 7.2.6 **Monitoring** – in accordance with item 6.3 of BS 5837 2012 the site and associated development should be monitored regularly by a competent arboriculturalist to ensure the arboricultural aspects of the planning permission are implemented. Furthermore, regular contact between the site manager and arboriculturalist allows them to effectively address any issues should they arise. The arboriculturalist will contact the Local Planning authority and appropriate action taken

In addition to the method statement, it is beneficial to identify key arboricultural responsibilities associated with the progression of the development. Accordingly, a draft “Statement of Supervision (Arboriculture)” has been included in Appendix 7. The purpose of this document is to identify a decision making and data recording structure in the monitoring process, together with providing a list of specific trigger points. Prior to works commencing on site this document should be re-issued with contact names and document reference number included.

- 7.2.7 **Cultural Implications** – there are no significant cultural implications with the trees being removed, twenty-six of the trees for removal are ‘U’ category trees, with twelve to be removed mainly within the site.

8.0 Design advice, Arboricultural Method Statement

- 8.1 The information provided in this section has been provided based on any plans provided at the time of this report being prepared. Should there be amendments to the site layout in the future the advice provided may not be relevant and require revision prior to the commencement of the development.
- 8.2 If during development the layout encroaches significantly more into the RPAs than identified amendments to the engineering approach may be required and arboricultural advice must be sought.

8.3 Method Statement

- 8.3.1 **Location of site office/compound/parking/materials** – All construction logistics and materials can be contained within the site without compromising the RPA of retained trees.
- 8.3.2 **Protective Tree Fencing/ground protection** – Tree protection will be required on site using both 'Heras' type fencing and ground protection, ideally a proprietary ground protection to accommodate the required load.

Details of ground protection and fencing are provided in Appendix 3 and on the Tree Protection Plan AAS/0511 TPP Rev 01 November 2024, Appendix 2.

Tree protection fencing around 1867, 1873, 1877, and 1918 will need to be moved during construction activities.

- 8.3.3 **Demolition Phase** – The demolition of the existing dwelling will not compromise any retained trees. As a precautionary measure any site works on the western side will pull back any structures.

8.3.4 Construction Phase: -

New Access - The new access will cut through the bank and requires the construction of gabions on both sides of the access. The western gabion encroaches into the RPA of T1853, while this encroachment is significantly less than 20% to ensure no roots are compromised a trench will be dug using an air spade to expose any roots which can then be pruned following industry guidance.

Access Road and car park - The new access road and car parking encroaches through the RPA of three retained trees, 1867, 1873, 1877. Non mechanical excavation, using an air spade, will be carried out to expose any roots, these can then be root pruned following industry guidance.

Care home and annex – The footprint of the care home and annex encroaches into the RPA of T1919, this encroachment is significantly less than 20% and considered minor. Due to the tree being on elevated ground it is unlikely that there will be any roots.

8.3.5 **Excavation within the RPA** - All excavations within an RPA must be undertaken by non-mechanical means, either an air spade or by hand, down to a depth of 600mm, to establish the presence of roots. Any tree roots exposed within the RPA must be left as intact as careful digging with hand tools will allow, avoiding the use of heavy machinery within the RPA.

8.3.6 **Root Pruning** - Any roots encountered are likely to be fibrous rather than structural and can be pruned using clean secateurs. where roots >25mm are exposed the advice of an arboricultural professional should be sought to determine if pruning is acceptable. Roots <25mm can be pruned back using clean secateurs to a side root.

8.3.8 **Mixing and use of concrete around trees** – Concrete (cementitious, mortar, cement, slurry) washout wastewater is caustic and considered corrosive, with a pH over 12. Wet concrete is toxic to trees and for this reason the incorporation of protection (sheathing with impermeable membrane e.g. heavy grade polythene sheeting) is extremely important to prevent contact with exposed roots and limiting potential for harm.

It is important **NOT** to mix concrete within the vicinity of trees where there is the risk of contamination of the soil.

8.3.9 **Use of cranes, Rigs and booms** - precautionary measures must be observed to avoid contact of any retained trees when maneuvering cranes, rigs or booms into position – a banks man must be in situ to observe for conflict and notify the operator before damage to retained trees occurs.

8.3.10 **Reporting and Monitoring** - in accordance with item 6.3 of BS 5837 2012 the site and associated development should be monitored regularly by a competent arboriculturalist to ensure the arboricultural aspects of the planning permission are implemented.

Furthermore, regular contact between the site manager and arboriculturalist allows them to effectively address any issues should they arise. The arboriculturalist will contact the Local Planning authority and appropriate action taken.

A statement of supervision is provided in Appendix 4 along with a timetable of tree protection phasing in Appendix 5.

9.0 Conclusion

- 9.1 The proposed re-development of the site will require the demolition of the existing dwelling, there will be no impact upon retained trees.
- 9.2 The re-development includes constructing a new access and parking, this requires the removal of twelve trees within the treed area running parallel to West Hill.
- With the cut through the bank and installation of gabions there will be a minor encroachment through the RPA of one retained tree. The use of an air spade or hand digging to establish any roots which will then be pruned following industry guidance will minimise the impact.
- 9.3 The construction of the care home will have a minor encroachment through the RPA of one retained tree. This encroachment is insignificant, <1% and therefore no mitigation is required.
- 9.4 Where the new access and care home encroaches through the RPA of retained trees careful phasing, moving the fencing, will be required.
- 9.5 To mitigate for the removal of trees across the site there will be a comprehensive landscaping scheme submitted.
- 9.6 The impact of the construction activities upon the tree(s) has the potential for causing physical damage to retained trees if protection measures are not implemented as shown on the Tree Protection Plans AAS/0511 – TPP Rev 02 May 2025, Appendix 2.
- 9.7 Trees subject to the Tree Preservation Order are proposed for removal, of the trees identified twenty-three have been identified as 'U' category trees.
- 9.8 There are no arboricultural reasons for this development to be refused providing the details provided in this report and Tree Protection Plans are adhered to.



APPENDIX 1

Tree Schedule and Cascade Chart for Categorisation

BS5837:2012 Tree Survey

Arc Arboricultural Solutions Ltd

Client: Igloo Care Ltd
 Project: AAS/0511 Highfields East Grinstead
 Survey Date: 26/11/2024
 Surveyor: Roz Richardson



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 Pulloxhill
 Bedfordshire
 MK45 5HA
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 arc.arboriculturalsolutions@gmail.com

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
G1804											Estimated Measurements		
A Group	10	1		N	2	0	SM	A: 0	Good	C: Good	No action :: Unspecified	C.1.2	
Mixed Species				E	2	0		R: 0		S: Good	Selectively remove 'U' category trees, all Cherry Laurel leaving a 2-3m strip parallel with West Hill for screening	10 to 20 yrs	
				S	2	0				B: Good			
				W	2	0							
G1848													
Sycamore	9	2		N	3	0	SM	A: 0	Poor	C: Poor	Estimated Measurements		
Acer pseudoplatanus-				E	2	0		R: 0				U	
				S	2	0						<10 yrs	
				W	2	0							
G1849													
Unknown	0	0						A: 0		C:	Estimated Measurements		
- -								R: 0		S:		U	
										B:		<10 yrs	
G1866													
Common Holly	10	1	350	N	4	1	M	A: 55.4	Good	C: Good	No action :: Unspecified	C.1.2	
Ilex aquifolium				E	3	1		R: 4.19		S: Fair	2x Holly growing on the boundary	20 to 40 yrs	
				S	4	1				B: Fair			
				W	3	1							
Age Classifications:	N	Newly planted	EM	Early Mature			Condition:	C	Crown		Stems:	Ø	Diameter
	Y	Young	M	Mature				S	Stem			(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area		ERC:		Estimated Remaining Contributio

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m ²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
G1871											Estimated Measurements		
A Group	5	1	100	N	2	0	SM	A: 4.5	Good	C: Good	No action :: Unspecified		C.1.2
- -				E	2	0		R: 1.19		S: Fair			10 to 20
				S	2	0				B: Fair	Mixed group comprising Holly, Cherry Laurel, Hazel		yrs
				W	2	0							
G1878											Estimated Measurements		
Sycamore	9	1	200	N	9	3	SM	A: 18.1	Fair	C: Fair	No action :: Unspecified		C.1.2
<i>Acer pseudoplatanus</i>				E	4	3		R: 2.4		S: Fair			20 to 40
				S	4	3				B: Fair	Group comprising 7 stems		yrs
				W	4	3							
G1880											Estimated Measurements		
A Group	8	1	200	N	3	2	SM	A: 18.1	Fair	C: Fair	No action :: Unspecified		C.1.2
- -				E	3	2		R: 2.4		S: Fair			10 to 20
				S	3	2				B: Fair	Group comprising Sycamore, Holly, 1x Apple. Some squirrel damage		yrs
				W	3	2							
G1894											Estimated Measurements		
A Group	7	1	200	N	2	0	SM	A: 18.1	Fair	C: Good	No action :: Unspecified		C.1.2
- -				E	2	0		R: 2.4		S: Good			10 to 20
				S	2	0				B: Good	Mainly Holly		yrs
				W	2	0							
G1895											Estimated Measurements		
A Group	7	1	200	N	2	0	SM	A: 18.1	Fair	C: Good	No action :: Unspecified		C.1.2
- -				E	2	0		R: 2.4		S: Good			10 to 20
				S	2	0				B: Good	Mainly Holly		yrs
				W	2	0							
G1896											Estimated Measurements		
A Group	7	1	200	N	2	0	SM	A: 18.1	Fair	C: Good	No action :: Unspecified		C.1.2
- -				E	2	0		R: 2.4		S: Good			10 to 20
				S	2	0				B: Good	Mainly Holly		yrs
				W	2	0							
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems: ERC:		Ø (Eq) Diameter Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contributio	

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m ²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC	
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment				
G1897												Estimated Measurements			
A Group	7	1	200	N	2	0	SM	A: 18.1	Fair	C: Good	No action :: Unspecified			C.1.2	
- -				E	2	0		R: 2.4		S: Good				10 to 20	
				S	2	0				B: Good	Mainly Holly			yrs	
				W	2	0									
G1898											Estimated Measurements				
A Group	7	1	200	N	2	0	SM	A: 18.1	Fair	C: Good	No action :: Unspecified			C.1.2	
- -				E	2	0		R: 2.4		S: Good				10 to 20	
				S	2	0				B: Good	Mainly Holly			yrs	
				W	2	0									
G1899											Estimated Measurements				
A Group	7	1	200	N	2	0	SM	A: 18.1	Fair	C: Good	No action :: Unspecified			C.1.2	
- -				E	2	0		R: 2.4		S: Good				10 to 20	
				S	2	0				B: Good	Mainly Holly			yrs	
				W	2	0									
G1917											Estimated Measurements				
A Group	8	1	180	N	2	3	SM	A: 14.7	Fair	C: Fair	No action :: Unspecified			C.1.2	
- -				E	2	3		R: 2.16		S: Fair				10 to 20	
				S	2	3				B: Fair	6x Sycamore, 1x Oak - stem decay of Sycamore			yrs	
				W	6	3									
G1926											Estimated Measurements				
A Group	7	1	200	N	3	2	SM	A: 18.1	Fair	C: Fair	No action :: Unspecified			C.1.2	
- -				E	3	2		R: 2.4		S: Fair				10 to 20	
				S	3	2				B: Fair	1x Holly, 1x Sycamore, 1x Hazel			yrs	
				W	4	2									
G1934											Estimated Measurements				
A Group	10	1	250	N	3	0	SM	A: 28.3	Fair	C: Fair	No action :: Unspecified			C.1.2	
- -				E	3	0		R: 3		S: Fair				10 to 20	
				S	3	0				B: Fair	2x Sycamore, 1x Holly			yrs	
				W	3	0									
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:		Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contributio

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC	
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
G1984												Estimated Measurements		
A Group	7	1	200	N	2	0	SM	A: 18.1	Fair	C: Good	No action :: Unspecified		C.1.2	
- -				E	2	0		R: 2.4		S: Good			10 to 20	
				S	2	0				B: Good	Mainly Holly		yrs	
				W	2	0								
NG1874												Estimated Measurements		
Lombardy Poplar	18	1	640	N	3	8	M	A: 185.3	Good	C: Good	No action :: Unspecified		B.1.2	
<i>Populus nigra 'Italica'</i>				E	3	8		R: 7.68		S: Good			10 to 20	
				S	3	8				B: Fair	2x Poplar off site		yrs	
				W	3	8								
NG1876												Estimated Measurements		
Lawson Cypress	10	1	260	N	3	2	M	A: 30.6	Fair	C: Fair	No action :: Unspecified		C.1.2	
<i>Chamaecyparis lawsoniana</i>				E	3	2		R: 3.12		S: Fair			10 to 20	
				S	3	2				B: Fair	Off site group		yrs	
				W	3	2								
1805												Estimated Measurements		
Sycamore	14	1	400	N	1	3	M	A: 72.4	Fair	C: Fair	No action :: Unspecified		C.1.2	
<i>Acer pseudoplatanus</i>				E	6	2		R: 4.8		S: Fair			20 to 40	
				S	5	1.75				B: Poor			yrs	
				W	2	2								
1806												Estimated Measurements		
Sycamore	19	1	710	N	7.5	2	M	A: 228.1	Fair	C: Fair	No action :: Unspecified		B.1.2	
<i>Acer pseudoplatanus</i>				E	6.5	2		R: 8.52		S: Good			20 to 40	
				S	4	2				B: Fair	No comments		yrs	
				W	6	2								
1807												Estimated Measurements		
Common Yew	6	2	413 (Eq)	N	5	0	SM	A: 77.3	Fair	C: Fair	No action :: Unspecified		C.1.2	
<i>Taxus baccata</i>				E	4	0		R: 4.96		S: Poor			10 to 20	
				S	5	0				B: Fair	One stem failed, decay at base		yrs	
				W	4.5	0								
Age Classifications:		N	Newly planted	EM	Early Mature		Condition:		C	Crown	Stems:		Ø	Diameter
	Y	Young		M	Mature				S	Stem			(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature		OM	Over Mature				B	Basal area	ERC:			Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
1808											Estimated Measurements	
Common Lime <i>Tilia europaea</i>	20	6	563 (Eq)	N	5	3	M	A: 143.6 R: 6.76	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Multi-stem from base. adj to to road wall and disused substation, overhangs highway	B.1.2 20 to 40 yrs
1809											Estimated Measurements	
Common Lime <i>Tilia europaea</i>	20	1	560	N	3.5	2	M	A: 141.9 R: 6.72	Fair	C: Fair S: Poor B: Poor	Pollard :: Pollard to 5 m Lapsed pollard, based obscured by epicormic growth and ivy	C.1.2 10 to 20 yrs
1810											Estimated Measurements	
Common Lime <i>Tilia europaea</i>	20	1	580	N	7	3	M	A: 152.2 R: 6.96	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Lapsed pollard st 4.5m, cavity 1.5-2m base obscured by epicormic growth	B.1.2 >40 yrs
1811											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	14	1	340	N	4.5	3	SM	A: 52.3 R: 4.08	Poor	C: Fair S: Poor B: Fair	No action :: Unspecified Suppressed specimen, squirrel damage	C.1.2 20 to 40 yrs
1812											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	18	1	460	N	4.5	1.5	M	A: 95.7 R: 5.51	Poor	C: Poor S: Fair B: Fair	No action :: Unspecified Apical die back	C.1.2 20 to 40 yrs
1813											Estimated Measurements	
Scots Pine <i>Pinus sylvestris</i>	18	1	570	N	0.5	3	M	A: 147 R: 6.84	Poor	C: Poor S: Poor B: Poor	Fell :: Unspecified Fell - H&S - Failed stem at 6m, decay in remaining stem	U <10 yrs
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area		Stems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition ERC: Estimated Remaining Contributio	

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
1814											Estimated Measurements		
Scots Pine <i>Pinus sylvestris</i>		19	1	550	N E S W	3 5.5 4.5 2.5	3 3 3 3	M R: 6.6	Fair	C: Good S: Poor B: Poor	Fell :: Unspecified ----- Fell - H&S - Stem decay at 6m SE side	U <10 yrs	
1815											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		9	1	370	N E S W	1.5 1.5 1 4.5	3 3 3 3	SM R: 4.43	Fair	C: Poor S: Poor B: Poor	Fell :: Unspecified ----- Fell - H&S - Main stem dead, decay leans towards road and snapped, lower bach taken on apical dominance	U <10 yrs	
1816											Estimated Measurements		
Austrian Pine <i>Pinus nigra ssp. Nigra</i>		21	1	610	N E S W	6 5 6 4.5	12 12 12 12	M R: 7.32	Good	C: Good S: Good B: Good	No action :: Unspecified ----- Typical woodland specimen, drawn up, stem kinked at 6m, minor deadwood throughout canopy	B.1.2 20 to 40 yrs	
1817											Estimated Measurements		
Lawson Cypress <i>Chamaecyparis lawsoniana</i>		8	1	350	N E S W	2 3 4.5 1.5	3 3 3 3	SM R: 4.19	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified ----- Stem bias towards east, growing into crown of adj Scot's pine, stem bifurcates at at 3m	C.1.2 20 to 40 yrs	
1818											Estimated Measurements		
Lawson Cypress <i>Chamaecyparis lawsoniana</i>		8	1	380	N E S W	0.5 1.5 3 1.5	3 3 3 3	SM R: 4.55	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified ----- Aysemetric canopy towards south, crossing and fused branches	C.1.2 10 to 20 yrs	
1819											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		18	1	430	N E S W	8 3 2 8	5 5 5 5	M R: 5.16	Fair	C: Good S: Good B: Fair	No action :: Unspecified ----- Stem bias towards north west	B.1.2 >40 yrs	
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition ERC: Estimated Remaining Contributio			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
1826											Estimated Measurements	
Common Ash <i>Fraxinus excelsior</i>	11	1	440	N	2	5	Dead A: 87.6 R: 5.28	Dead	C: S: B:	Fell :: Fell and remove stump(s)	U	
				E	0.5	5				S: Fell - H&S - Ash Die Back	n/a	
				S	1	5						
				W	12	5						
1827											Estimated Measurements	
Common Ash <i>Fraxinus excelsior</i>	20	1	540	N	3	10	M A: 131.9 R: 6.47	Fair	C: Fair S: Fair B: Fair	Fell :: Fell and remove stump(s)	U	
				E	3	10				Fell - H&S	<10 yrs	
				S	6	10						
				W	6.5	10						
1828											Estimated Measurements	
Scots Pine <i>Pinus sylvestris</i>	9	1	550	N	1	3	M A: 136.9 R: 6.6	Good	C: Fair S: Fair B: Fair	No action :: Unspecified	C.1.2	
				E	5	3				Stem reduced to current height	10 to 20 yrs	
				S	7	3						
				W	1	3						
1829											Estimated Measurements	
Scots Pine <i>Pinus sylvestris</i>	20	1	530	N	1.5	13	M A: 127.1 R: 6.36	Good	C: Good S: Fair B: Good	No action :: Unspecified	B.1.2	
				E	4.5	13				Crown bias towards the south	20 to 40 yrs	
				S	5	13						
				W	4	13						
1830											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	6	2	283 (Eq)	N	5	2	SM A: 36.3 R: 3.39	Poor	C: Poor S: Poor B: Poor	Fell :: Unspecified	U	
				E	3	2				Fell - H&S - Squirrel damage, top historically lost, decay in upper stem	<10 yrs	
				S	4	2						
				W	2	2						
1831											Estimated Measurements	
Silver Birch <i>Betula pendula</i>	15	1	310	N	3	4	SM A: 43.5 R: 3.72	Fair	C: Good S: Fair B: Fair	No action :: Unspecified	B.1.2	
				E	3	4				Crown develops into a multi-stem	10 to 20 yrs	
				S	3	4						
				W	3	4						
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area	Stems: ERC:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contributio	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment				
1832											Estimated Measurements			
Scots Pine <i>Pinus sylvestris</i>	20	1	540	N	5	13	M	A: 131.9 R: 6.47	Fair	C: Good S: Fair B: Fair	No action :: Unspecified		C.1.2	
				E	5	13					Exposed sapwood from wound main stem from hanging limb, at 6m, presence of bacterial canker.			10 to 20 yrs
				S	4	13								
				W	5	13								
1833											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	18	2	708 (Eq)	N	6	6	M	A: 226.6 R: 8.49	Fair	C: Good S: Poor B: Poor	Fell :: Unspecified		U	
				E	4	6					Fell - H&S - Twin stem from base with tight union, one stem weighted towards highway			10 to 20 yrs
				S	3	6								
				W	9	6								
1834											Estimated Measurements			
Common Ash <i>Fraxinus excelsior</i>	18	3	560 (Eq)	N	4	5	M	A: 141.9 R: 6.72	Fair	C: Fair S: Fair B: Poor	Fell :: Unspecified		U	
				E	3	5					Fell - H&S - Triple stem from 3m, Innonotus hispidus throughout canopy, sounding st base indicates compromised wood			<10 yrs
				S	3	5								
				W	4.5	5								
1835											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	17	1	610	N	3	5	M	A: 168.4 R: 7.32	Fair	C: Good S: Poor B: Poor	Fell :: Unspecified		U	
				E	8	5					Fell - H&S - Extensive decay at base extending into buttress root's			<10 yrs
				S	7	5								
				W	5	5								
1836											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	11	1	370	N	3	3	SM	A: 61.9 R: 4.43	Poor	C: Poor S: Poor B: Poor				C.1.2
				E	2.5	3					Extensive squirrel damage, crown die-back			10 to 20 yrs
				S	2	3								
				W	2	3								
1837											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	11	10	822 (Eq)	N	2	0	SM	A: 305.9 R: 9.86	Poor	C: Poor S: Poor B: Poor	Fell :: Unspecified		U	
				E	3	0					Fell - H&S - Significant crown die-back, multi stem from base, extensive squirrel damage			<10 yrs
				S	3	0								
				W	2	0								
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area		Stems:	Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	
											ERC:		Estimated Remaining Contributio	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment				
1838											Estimated Measurements			
Austrian Pine <i>Pinus nigra ssp. Nigra</i>	16	1	420	N	16	5	SM	A: 79.8 R: 5.03	Fair	C: Poor S: Poor B: Poor	Fell :: Unspecified		U	
				E	2	5					Fell - H&S - Historically wind thrown with upper stem leaning as a photographic response. Hung up in canopy of adj tree.			<10 yrs
				S	0	5								
				W	2	5								
1839											Estimated Measurements			
Scots Pine <i>Pinus sylvestris</i>	12	1	810	N	2.5	8	M	A: 296.9 R: 9.72	Good	C: Good S: Good B: Good	No action :: Unspecified		C.1.2	
				E	6	8					Large dead limb at 2.5m, topped and reduced at current height			10 to 20 yrs
				S	6	8								
				W	5	8								
1840											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	17	4	1044 (Eq)	N	7.5	7	M	A: 493.3 R: 12.53	Good	C: Fair S: Good B: Fair	No action :: Unspecified		B.1.2	
				E	4	7					4x stem from 1m, minor lesions on southern stem			20 to 40 yrs
				S	5	7								
				W	8.5	7								
1841											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	17	1	560	N	7	5	M	A: 141.9 R: 6.72	Decline	C: Poor S: Poor B: Poor	Fell :: Unspecified		U	
				E	2	5					Fell - H&S - Significant stem decay, hollowing, canopy weighted towards highway			<10 yrs
				S	2	5								
				W	8	5								
1842											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	17	1	610	N	7	5	M	A: 168.4 R: 7.32	Poor	C: Poor S: Poor B: Poor	Fell :: Fell and remove stump(s)		U	
				E	1	5					Fell - H&S - Twin stem from base, one stem dead, dysfunctional wood on remaining stem from bifurcation, apical crown die-back, poor specimen			<10 yrs
				S	1	5								
				W	7	5								
1843											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	18	1	600	N	8	7	M	A: 162.9 R: 7.2	Fair	C: Good S: Fair B: Poor	Fell :: Fell and remove stump(s)		U	
				E	3	7					Fell - H&S - Crown bias towards west, dysfunctional column from ground level, , black rhizomorphs under peeling bark - honey fungus			10 to 20 yrs
				S	6	7								
				W	8	7								
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area		Stems: ERC:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contributio		

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
1844											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	10	10	791 (Eq)	N	1	2	SM	A: 282.8 R: 9.48	Poor	C: Poor S: Poor B: Poor	Fell :: Unspecified ----- Fell - H&S	U <10 yrs
1845											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	11	2	278 (Eq)	N	3	6	SM	A: 34.9 R: 3.33	Fair	C: Fair S: Poor B: Poor	Fell :: Unspecified ----- Fell - H&S - Suppressed specimen, significant upper stem and canopy death/necrosis	U <10 yrs
1846											Estimated Measurements	
Scots Pine <i>Pinus sylvestris</i>	16	1	630	N	4	13	SM	A: 179.6 R: 7.56	Good	C: Good S: Poor B: Poor	No action :: Unspecified ----- Crown topped at current height	C.1.2 10 to 20 yrs
1847											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	14	10	791 (Eq)	N	2	4	SM	A: 282.8 R: 9.48	Poor	C: Poor S: Poor B: Poor	Fell :: Unspecified ----- Fell - H&S - Significant crown die-back, squirrel damage, bacterial canker throughout	U <10 yrs
1848											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	9	1	260	N	9	4	SM	A: 30.6 R: 3.12	Poor	C: Poor S: Poor B: Poor	Fell :: Unspecified ----- Remove to facilitate development	U <10 yrs
1849											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	10	2	270 (Eq)	N	3	3	SM	A: 33 R: 3.24	Poor	C: Poor S: Poor B: Poor	Fell :: Fell and remove stump(s) ----- Remove to facilitate development - Significant decay in upper stem and at base, crown die-back	U <10 yrs
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area		Stems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition ERC: Estimated Remaining Contributio	

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
1850											Estimated Measurements		
Scots Pine <i>Pinus sylvestris</i>		9	1	500	N E S W	0 4 2 1	3 3 3 3	M 	A: 113.1 R: 6	Poor	C: Poor S: Poor B: Poor	No action :: Unspecified Remove to facilitate development - Topped at current height, one live lateral branch	C.1.2 10 to 20 yrs
1851											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		10	1	560	N E S W	4 3 6 5	4 4 4 4	M 	A: 141.9 R: 6.72	Fair	C: Fair S: Fair B: Fair	Fell :: Fell and remove stump(s) Remove to facilitate development - Stem bifurcates at 4m, topped historically at current height	C.1.2 10 to 20 yrs
1852											Estimated Measurements		
Scots Pine <i>Pinus sylvestris</i>		11	1	490	N E S W	3 0 0 4	10 10 10 10	M 	A: 108.6 R: 5.87	Fair	C: Fair S: Poor B: Poor	Fell :: Fell and remove stump(s) Remove to facilitate development - Historically topped at current height, one live lateral branch	C.1.2 10 to 20 yrs
1853											Estimated Measurements		
Scots Pine <i>Pinus sylvestris</i>		14	1	450	N E S W	9 0 0 9	8 8 8 8	M 	A: 91.6 R: 5.39	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Canopy directed to the northeast, bent stem	C.1.2 10 to 20 yrs
1854											Estimated Measurements		
Scots Pine <i>Pinus sylvestris</i>		14	1	330	N E S W	0 1 5 2	7 7 7 7	M 	A: 49.3 R: 3.96	Poor	C: Good S: Poor B: Poor	Fell :: Fell and remove stump(s) Fell - H&S - Apical crown die-back, exposed sapwood wounds along main stem, fracture in main stem	U <10 yrs
1855											Estimated Measurements		
Scots Pine <i>Pinus sylvestris</i>		15	1	440	N E S W	7 2 7 2	9 9 9 9	M 	A: 87.6 R: 5.28	Poor	C: Fair S: Poor B: Poor	Fell :: Fell and remove stump(s) Fell - H&S - Stem bifurcates at 8m, stem's grow in opposite directions, crown disfigured, exposed sapwood wounds	U <10 yrs
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition		ERC: Estimated Remaining Contributio	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1856												Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	17	1	560	N	6	3	M	A: 141.9 R: 6.72	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Large basal growth	C.1.2 20 to 40 yrs	
1857												Estimated Measurements	
Common Beech <i>Fagus sylvatica</i>	7	1	280	N	0	3	SM	A: 35.5 R: 3.36	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Suppressed specimen, minor squirrel damage	C.1.2 20 to 40 yrs	
1858												Estimated Measurements	
Common Oak <i>Quercus robur</i>	17	1	450	N	7	5	SM	A: 91.6 R: 5.39	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Crown bias towards north west	B.1.2 >40 yrs	
1859												Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	16	1	500	N	7	5	M	A: 113.1 R: 6	Fair	C: Good S: Poor B: Fair	Reduce crown(s) :: By specified percentage (see comment) Reduce to 4m - Historically fallen and re-gen	C.1.2 20 to 40 yrs	
1860												Estimated Measurements	
Common Beech <i>Fagus sylvatica</i>	16	1	420	N	9	6	M	A: 79.8 R: 5.03	Good	C: Good S: Fair B: Fair	No action :: Unspecified Kinked lower stem, crown bias towards north west	B.1.2 >40 yrs	
1861												Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	15	1	350	N	6	5	SM	A: 55.4 R: 4.19	Poor	C: Poor S: Poor B: Poor	Fell :: Fell and remove stump(s) Fell - H&S - Extensive stem decay and hollowing, crown die-back, weighted towards highway	U <10 yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1862											Estimated Measurements		
Scots Pine <i>Pinus sylvestris</i>	17	1	600	N	9	6	M	A: 162.9 R: 7.2	Fair	C: Good S: Fair B: Fair	No action :: Unspecified ----- Holly growing at base, deadwood throughout canopy	B.1.2 20 to 40 yrs	
1863											Estimated Measurements		
Lawson Cypress <i>Chamaecyparis lawsoniana</i>	17	1	520	N	2	4	M	A: 122.3 R: 6.23	Fair	C: Good S: Fair B: Fair	No action :: Unspecified ----- Main stem bifurcates into multiple stem's, large upright limb from 3m	C.1.2 10 to 20 yrs	
1864											Estimated Measurements		
Scots Pine <i>Pinus sylvestris</i>	19	1	580	N	6	7	M	A: 152.2 R: 6.96	Good	C: Good S: Fair B: Good	No action :: Unspecified ----- No Comments	B.1.2 20 to 40 yrs	
1865											Estimated Measurements		
Scots Pine <i>Pinus sylvestris</i>	19	1	510	N	8	9	M	A: 117.7 R: 6.12	Fair	C: Good S: Good B: Fair	No action :: Unspecified ----- No Comments	B.1.2 20 to 40 yrs	
1866											Estimated Measurements		
Common Holly <i>Ilex aquifolium</i>	10	2	350 (Eq)	N	4	1	M	A: 55.4 R: 4.19	Good	C: Good S: Fair B: Fair	No action :: Unspecified ----- Two trees growing on the boundary	C.1.2 20 to 40 yrs	
1867											Estimated Measurements		
Western Red Cedar <i>Thuja plicata</i>	13	1	810	N	1	1	M	A: 296.9 R: 9.72	Fair	C: Good S: Fair B: Fair	No action :: Unspecified ----- Growing close to adj trees forming a canopy, potentially historic movement stable, large upright limb to the south from 1.5m	C.1.2 10 to 20 yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems: ERC:		Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contributio		

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1868												Estimated Measurements	
Western Red Cedar <i>Thuja plicata</i>	13	1	440	N	1	5	M	A: 87.6 R: 5.28	Fair	C: Fair S: Poor B: Poor	Fell :: Fell and remove stump(s) ----- Fell - H&S - Fallen into adj tree	U <10 yrs	
1869												Estimated Measurements	
Western Red Cedar <i>Thuja plicata</i>	13	2	615 (Eq)	N	1	3	M	A: 171.3 R: 7.38	Poor	C: Poor S: Poor B: Poor	Fell :: Fell and remove stump(s) ----- Fell - H&S - Eastern stem dead with adjacent tree hung up	U <10 yrs	
1870												Estimated Measurements	
Winter Cherry <i>Prunus subhirtella</i>	4	1	170	N	3	1	SM	A: 13.1 R: 2.04	Fair	C: Good S: Fair B: Fair	Fell :: Unspecified ----- Remove to facilitate development - Wound south side below crown break	C.1.2 10 to 20 yrs	
1872												Estimated Measurements	
Weeping Willow <i>Salix chrysocoma</i>	4	1	140	N	3	0	SM	A: 8.9 R: 1.68	Good	C: Good S: Good B: Good	Fell :: Fell and remove stump(s) ----- Remove to facilitate developemnt - New planting	C.1.2 >40 yrs	
1873												Estimated Measurements	
Common Yew <i>Taxus baccata</i>	6	1	230	N	4	4	SM	A: 23.9 R: 2.75	Good	C: Good S: Fair B: Fair	No action :: Unspecified ----- Historic pruning wounds	B.1.2 >40 yrs	
1875												Estimated Measurements	
Myrobalan Plum <i>Prunus cerasifera</i>	5	1	100	N	2	1	Y	A: 4.5 R: 1.19	Good	C: Good S: Good B: Good	No action :: Unspecified -----	C.1.2 >40 yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1877												Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	10	2	424 (Eq)	N	4	2	SM	A: 81.4 R: 5.09	Fair	C: Fair S: Fair B: Fair	Remove :: Faulted stems Twin stem from base, remove eastern stem with canker	C.1.2 10 to 20 yrs	
1879												Estimated Measurements	
Western Red Cedar <i>Thuja plicata</i>	19	1	930	N	3	1.5	M	A: 391.3 R: 11.16	Good	C: Good S: Fair B: Fair	No action :: Unspecified Stem leaning to the East, lack of photographic correction suggests recent movement, appears stable, large low rising limb's to the east	C.1.2 20 to 40 yrs	
1881												Estimated Measurements	
Common Holly <i>Ilex aquifolium</i>	14	1	500	N	3	2	M	A: 113.1 R: 6	Good	C: Good S: Fair B: Fair	No action :: Unspecified Main stem bifurcates at 3m	C.1.2 20 to 40 yrs	
1882												Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	13	1	310	N	4	3	SM	A: 43.5 R: 3.72	Fair	C: Fair S: Poor B: Fair	Reduce crown(s) :: By 20% Remove :: Faulted branch/limbs Remove snapped hanging branch, reduce height by 2m all round	C.1.2 20 to 40 yrs	
1883												Estimated Measurements	
Sawara Cypress <i>Chamaecyparis pisifera</i>	15	1	510	N	2	5	M	A: 117.7 R: 6.12	Poor	C: Poor S: Poor B: Poor	Fell :: Fell and remove stump(s) Remove to facilitate development - Stem bifurcates at 1.5m, significant stem decay	U <10 yrs	
1884												Estimated Measurements	
Common Holly <i>Ilex aquifolium</i>	9	3	330 (Eq)	N	2	2	SM	A: 49.3 R: 3.96	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Stem bifurcates at 3m	C.1.2 20 to 40 yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area		Stems: ERC:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contributio	

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1885												Estimated Measurements		
Sawara Cypress <i>Chamaecyparis pisifera</i>		14	1	340	N	2	8	M	A: 52.3 R: 4.08	Poor	C: Good S: Poor B: Poor	Fell :: Fell and remove stump(s) Remove to facilitate development - Bifurcation failure at 6m stem decay present	U <10 yrs	
1886												Estimated Measurements		
Common Oak <i>Quercus robur</i>		10	1	340	N	4	2	SM	A: 52.3 R: 4.08	Good	C: Good S: Good B: Good	No action :: Unspecified No comments	B.1.2 >40 yrs	
1887												Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		17	1	560	N	6	3	M	A: 141.9 R: 6.72	Good	C: Good S: Fair B: Fair	No action :: Unspecified Main stem bifurcates at 3m, deadwood throughout canopy	B.1.2 20 to 40 yrs	
1888												Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		16	1	450	N	2	3	M	A: 91.6 R: 5.39	Fair	C: Fair S: Poor B: Poor	No action :: Unspecified Main stem bifurcates at 2m associated with historical pollarding, two cavities at union, western stem decay and cavity at 4m, deadwood throughout canopy	C.1.2 10 to 20 yrs	
1889												Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		17	1	650	N	5	3	M	A: 191.2 R: 7.8	Fair	C: Fair S: Poor B: Poor	Remove :: Sucker Growth Pollard :: Pollard to 5 m Three large basal stem's, significant cavity on south side, various area's of bark necrosis south side up to historic pollard point - lapsed pollard	C.1.2 10 to 20 yrs	
1890												Estimated Measurements		
Common Yew <i>Taxus baccata</i>		15	1	720	N	7	3	M	A: 234.5 R: 8.63	Good	C: Good S: Good B: Good	No action :: Unspecified Multi-stem from 2m	B.1.2 >40 yrs	
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems: ERC:		Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contributio		

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1891											Estimated Measurements			
Sycamore	17	1	560	N	3	3	M	A: 141.9	Fair	C: Fair	No action :: Unspecified			C.1.2
				E	2	3		R: 6.72		S: Fair				<10 yrs
				S	7	3				B: Fair				
				W	8	3					Small amount of significant deadwood throughout canopy, minor crown die-back, minor cavities on main stem associated with historical pruning wounds			
1892											Estimated Measurements			
Western Red Cedar	16	1	630	N	6	2	M	A: 179.6	Good	C: Good	No action :: Unspecified			C.1.2
				E	4	2		R: 7.56		S: Fair				10 to 20 yrs
				S	5	2				B: Fair				
				W	6	2					Significant basal decay west side, decayed root leads to adj lost stem, suppressed by adjacent tree			
1893											Estimated Measurements			
Sweet Chestnut	23	1	1010	N	5	3	M	A: 461.5	Good	C: Good	No action :: Unspecified			A.1.2
				E	5	3		R: 12.12		S: Good				>40 yrs
				S	8	3				B: Good				
				W	9	3					Minor buttress damage west side, minor deadwood throughout canopy			
1895											Estimated Measurements			
Sycamore	22	1	670	N	4	3	M	A: 203.1	Fair	C: Good	No action :: Unspecified			B.1.2
				E	5	3		R: 8.04		S: Fair				20 to 40 yrs
				S	3	3				B: Fair				
				W	5	3					No Comments			
1896											Estimated Measurements			
Sycamore	16	1	560	N	4	3	M	A: 141.9	Fair	C: Fair	Fell :: Unspecified			U
				E	0	3		R: 6.72		S: Poor				<10 yrs
				S	1	3				B: Poor				
				W	9	3					Remove to facilitate development - Small stem historically removed from base, basal cavity and stem hollowing at 5m, stem lean and bias towards west			
1897											Estimated Measurements			
Common Beech	24	1	1020	N	7	4	M	A: 470.7	Good	C: Good	No action :: Unspecified			A.1.2
				E	10	4		R: 12.24		S: Good				>40 yrs
				S	8	4				B: Good				
				W	6	4					Minor deadwood throughout canopy, Holly at base, crown bias towards the east			
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area			Stems:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	
												ERC:	Estimated Remaining Contributio	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
1898											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	17	1	550	N E S W	3 4 3 6	8 8 8 8	M A: 136.9 R: 6.6	Good	C: Good S: Fair B: Fair	No action :: Unspecified Main stem bifurcates at 4.5m Holly growing at base, slightly suppressed specimen	 B.1.2 >40 yrs	
1899											Estimated Measurements	
Sweet Chestnut <i>Castanea sativa</i>	15	1	520	N E S W	4 1 1 8	3 3 3 3	M A: 122.3 R: 6.23	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Upper stem and canopy growing north east, historical lost secondary basal stem to south west, decay present progressing into the main stem	 C.1.2 10 to 20 yrs	
1900											Estimated Measurements	
Common Holly <i>Ilex aquifolium</i>	7	1	300	N E S W	3 3 2 2	2 2 2 2	SM A: 40.7 R: 3.59	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Boundary tree	 C.1.2 20 to 40 yrs	
1901											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	17	1	410	N E S W	1 3 1 4	12 12 12 12	M A: 76.1 R: 4.92	Poor	C: Poor S: Poor B: Poor	Fell :: Fell and remove stump(s) Remove to facilitate development - Kretzschmaria deusta at base, apical die back	 U <10 yrs	
1902											Estimated Measurements	
Sweet Chestnut <i>Castanea sativa</i>	19	1	710	N E S W	2 5 8 3	4 4 4 4	M A: 228.1 R: 8.52	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Burring at base, minor bias towards south east, deadwood throughout canopy	 B.1.2 20 to 40 yrs	
1903											Estimated Measurements	
Sweet Chestnut <i>Castanea sativa</i>	21	1	990	N E S W	3 8 7 5	3 3 3 3	M A: 443.4 R: 11.88	Good	C: Good S: Good B: Good	No action :: Unspecified On the boundary, minor buttress damage, major and minor deadwood throughout canopy, minor crown die-back, crown bias south east over neighbouring property	 A.1.2 >40 yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area	Stems: ERC:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contributio	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1904												Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	18	1	18	N	3	5	M	A: 0.1 R: 0.17	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified ----- Suppressed specimen, Holly growing from base	C.1.2 10 to 20 yrs	
1905												Estimated Measurements	
Common Horse Chestnut <i>Aesculus hippocastanum</i>	16	1	510	N	3	5	M	A: 117.7 R: 6.12	Fair	C: Good S: Fair B: Fair	No action :: Unspecified ----- Suppressed, conflict with adjacent tree, historic branch fracture 7m west	C.1.2 10 to 20 yrs	
1906												Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	20	1	630	N	4	5	M	A: 179.6 R: 7.56	Good	C: Good S: Good B: Fair	No action :: Unspecified ----- Crown bias to the east over neighbouring property	B.1.2 20 to 40 yrs	
1907												Estimated Measurements	
Sweet Chestnut <i>Castanea sativa</i>	23	1	1140	N	12	5	M	A: 588 R: 13.68	Good	C: Good S: Good B: Good	No action :: Unspecified ----- No comments	A.1.2 >40 yrs	
1908												Estimated Measurements	
Sweet Chestnut <i>Castanea sativa</i>	17	1	650	N	2	3	SM	A: 191.2 R: 7.8	Fair	C: Good S: Fair B: Fair	No action :: Unspecified ----- Boundary tree, crown bias towards the east	B.1.2 20 to 40 yrs	
1909												Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	17	1	370	N	3	5	SM	A: 61.9 R: 4.43	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified ----- Suppressed specimen, minor deadwood throughout canopy	C.1.2 20 to 40 yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems: ERC:		Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contributio		

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC	
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1910											Estimated Measurements			
Common Yew <i>Taxus baccata</i>		7	1	250	N E S W	4 2 1 4	1 1 1 1	SM 	A: 28.3 R: 3	Fair	C: Good S: Fair B: Fair	No action :: Unspecified Adjacent to steps	C.1.2 20 to 40 yrs	
1911											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>		13	1	260	N E S W	2 1 1 7	5 5 5	SM 	A: 30.6 R: 3.12	Poor	C: Fair S: Poor B: Poor	Fell :: Fell and remove stump(s) Remove to facilitate development - Sparse crown. decay cavity at base	U <10 yrs	
1912											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>		22	1	910	N E S W	9 4 5 6	5 5 5	M 	A: 374.7 R: 10.92	Good	C: Good S: Fair B: Fair	No action :: Unspecified East side at base minor decay cavity, good reactive growth. Historically reduced to the east over neighbouring property, deadwood throughout canopy	B.1.2 20 to 40 yrs	
1913											Estimated Measurements			
Common Horse Chestnut <i>Aesculus hippocastanum</i>		16	1	460	N E S W	4 3 2 3	3 3 3	SM 	A: 95.7 R: 5.51	Fair	C: Good S: Good B: Fair	No action :: Unspecified No comments	B.1.2 20 to 40 yrs	
1914											Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>		5	1	480	N E S W	1 1 1 1	0 0 0 0	Dead	A: 104.2 R: 5.75	Dead	C: S: B:	Fell :: Fell and remove stump(s) Remove to facilitate development - Monolith	U n/a	
1915												Estimated Measurements		
Common Horse Chestnut <i>Aesculus hippocastanum</i>		16	1	800	N E S W	5 2 4 7	1 1 1 1		M 	A: 289.6 R: 9.6	Fair	C: Fair S: Poor B: Poor	Reduce crown(s) :: By specified percentage (see comment) Reduce height by up to 6m, reduce sides by 2.5m reduce weight on union	C.1.2 10 to 20 yrs
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:			C S B	Crown Stem Basal area	Stems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition ERC: Estimated Remaining Contributio			

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1916												Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		16	1	440	N	4	3	M	A: 87.6 R: 5.28	Good	C: Good S: Fair B: Fair	No action :: Unspecified	B.1.2	
					E	4	3					20 to 40 yrs		
					S	4	3							
					W	4	3					Lower stem bias towards the east, historically reduced back from neighbouring property		
1918												Estimated Measurements		
Sweet Chestnut <i>Castanea sativa</i>		9	2	571 (Eq)	N	2	1	M	A: 147.7 R: 6.85	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified	C.1.2	
					E	0	1					10 to 20 yrs		
					S	3	1					Twin stem from base, minor decay pocket's around base, basal cavity (not decay) south west. Northern stem growing laterally to the west, suppressed by adjacent tree		
					W	8	1							
1919												Estimated Measurements		
Sweet Chestnut <i>Castanea sativa</i>		20	2	1310 (Eq)	N	5	3	M	A: 707 R: 15	Good	C: Good S: Good B: Good			A.1.2
					E	6	3					No comments		>40 yrs
					S	8	3							
					W	8	3							
1920												Estimated Measurements		
Sweet Chestnut <i>Castanea sativa</i>		15	1	490	N	3	2	M	A: 108.6 R: 5.87	Fair	C: Good S: Fair B: Fair	No action :: Unspecified	C.1.2	
					E	2	2					10 to 20 yrs		
					S	3	2					Stem bias towards north west		
					W	13	2							
1921												Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		16	1	500	N	3	3	M	A: 113.1 R: 6	Good	C: Fair S: Fair B: Fair	No action :: Unspecified	B.1.2	
					E	5	3					20 to 40 yrs		
					S	6	3					Ivy historically severed, apical leader twisted, historically reduced back from neighbouring property		
					W	3	3							
1922												Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		17	1	420	N	4	3	M	A: 79.8 R: 5.03	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified	C.1.2	
					E	3	3					20 to 40 yrs		
					S	4	3					Ivy clad stem obstructing inspection, stem bifurcates at 6m, drawn up specimen		
					W	3	3							
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:		Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	
										ERC:			Estimated Remaining Contributio	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
1923											Estimated Measurements		
Sweet Chestnut <i>Castanea sativa</i>	17	1	600	N	5	3	M	A: 162.9 R: 7.2	Good	C: Good S: Fair B: Fair	No action :: Unspecified	B.1.2	
				E	5	3					20 to 40 yrs		
				S	2	3					Upper canopy bias towards north west		
				W	4	3							
1924											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	19	1	670	N	5	4	M	A: 203.1 R: 8.04	Poor	C: Fair S: Poor B: Poor	Fell :: Fell and remove stump(s)	U	
				E	5	4					<10 yrs		
				S	2	4					Remove to facilitate development - Basal decay and stem hollowing probed to 0.10m, white mycelium present		
				W	4	4							
1925											Estimated Measurements		
Lawson Cypress <i>Chamaecyparis lawsoniana</i>	11	1	390	N	3	1	SM	A: 68.8 R: 4.67	Good	C: Good S: Fair B: Fair	No action :: Unspecified	C.1.2	
				E	2	1					10 to 20 yrs		
				S	3	1					Multi-stem from 3m		
				W	4	1							
1927											Estimated Measurements		
Rhododendron <i>Rhododendron Spp.</i>	5	1	350	N	4	0	M	A: 55.4 R: 4.19	Good	C: Good S: Fair B: Fair	Fell :: Fell and remove stump(s)	C.1.2	
				E	4	0					10 to 20 yrs		
				S	4	0					Remove to facilitate development - Atypical specimen		
				W	5	0							
1928											Estimated Measurements		
Sweet Chestnut <i>Castanea sativa</i>	18	1	1120	N	3	3	M	A: 567.6 R: 13.44	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified	B.1.2	
				E	2	3					20 to 40 yrs		
				S	2	3					Rising limb from 11m previously removed, crown bias towards west, basal growth, minor dysfunctional wood west side		
				W	6	3							
1929											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	18	1	610	N	2	3	M	A: 168.4 R: 7.32	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified	B.1.2	
				E	6	3					20 to 40 yrs		
				S	3	3					Stem and canopy bias to the east, canopy reduced back from neighbouring property historically		
				W	1	3							
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:		Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC:	
											Estimated Remaining Contributio		

TABLE 1 – Cascade chart for tree categorisation

Category and definition	Criteria (including subcategories where appropriate)	Identification on plan
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Trees unsuitable for retention**Category 'U'**

Those 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

Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning)

Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline

Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees Suppressing adjacent trees or better quality



NOTE: *Category U trees can have existing or potential conservation value which might be desirable to preserve see 4.5.7 – trees with identifiable conservation, heritage or landscape value.*

1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values Including conservation
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TREES TO BE CONSIDERED FOR RETENTION**Category A**

Trees of high quality with an estimated remaining life expectancy of at least 40 years

Trees that are particularly good examples of their species, especially if rare or unusual or those that are essential components of groups or formal or semi-formal Arboricultural features (e.g. dominant/or principle Trees within an avenue)

Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape feature

Trees, groups or woodlands of significance conservation historical, commemorative or other value e.g. veteran trees or wood-pasture

**Category B**

Trees of moderate quality with an estimated remaining life expectancy of at least 20 years

Trees that may be included in 'A' but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, inc unsympathetic past management/storm damage) Such that they are unlikely to be suitable for retention beyond 40 years; or trees lacking the special quality necessary to merit the category 'A' designation.

Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to wider locality.

Trees with material conservation or other cultural value

**Category C**

Trees of low quality with an Estimated remaining life expectancy of at least 10 years, or young trees with a stem dia of below 150mm

Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories

Trees present in groups or woodlands but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefit.

Trees with no material conservation or other cultural value



Terms of Reference to Tree Survey Form

Tree number/Tag	Number on tag fixed to tree or given number on plan where no tag has been used. Given number for groups (G), hedges (H) or shrubs (S). Individual tree will have no tag if located on adjoining land or inaccessible
Species	Tree species - Common name or botanical name if no common name is in common use
Tree height	Height in metres where measurement is possible. Estimated where tree is inaccessible
Stem Dia(s)	Trunk diameter measured at 1.5 metres above ground level (on the side of the tree where the ground is highest). A formula applies to multiple stemmed trees
RPA radius	Root Protection Area radius in metres (linear) measured from centre of tree trunk
RPA m2	Root Protection Area in square metres
Crown spread	Spread of tree crown in metres at each cardinal point (NESW) measured from tree trunk
Crown Clearance (1 st large branch)	The height in metres on the tree of the lowest major branch and its direction (where relevant)
Canopy height above ground	Headroom - The height above ground in metres of the lowest part of the tree crown / branch ends (where relevant)
Life stage	The estimated stage of life of the tree in relation to its species stated as young, semi-mature, early mature, mature, over-mature e.g. A Silver Birch may be considered 'mature' at 40 years, but Oak may only be considered 'semi-mature' at the same chronological age
Structural & Physiological Condition and any management recommendations	The condition of the tree in relation to the presence of any notable structural defects or ill-health and any recommendations that may be relevant to good arboricultural management or in relation to a proposed development
Estimated remaining contribution	An estimated range of the minimum number of years a tree may make a positive contribution before it falls into decline (senescence). <10, 10+, 20+, 40+
Category & Sub category	A qualitative grading A to C or U recorded on tree survey plan and assigned a colour, see Table 1 in report

APPENDIX 2

Tree Constraints Plan – Existing

(AAS/0511 TCP – Rev 01 – November 2024)

Tree Constrains Plan – Layout with tree removals

(AAS/0511 TCP TR– Rev 01 - November 2024)

Tree Protection Plan – Proposed

(AAS/0511 TPP – Rev 01 November 2024)

Highfields, East Grinstead Tree Constraints Plan - Existing

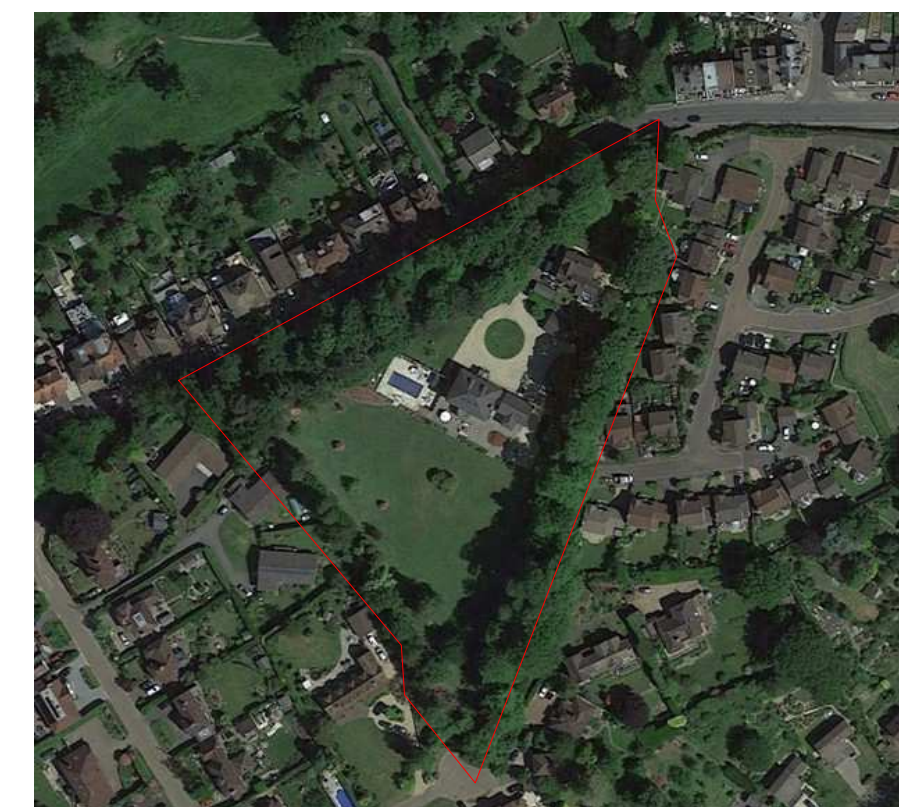
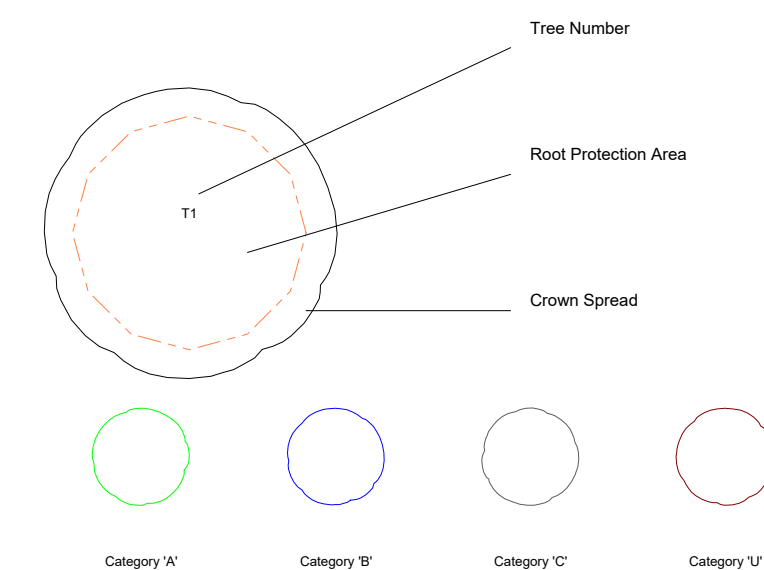
SCALE :
1 : 500 @ A2

DATE :
19/11/2024

AAS/04511TCP - Rev 01 November 2024



PLAN TO BE READ IN COLOUR



**Highfields, East Grinstead
Tree Protection Plan - Proposed Layout**

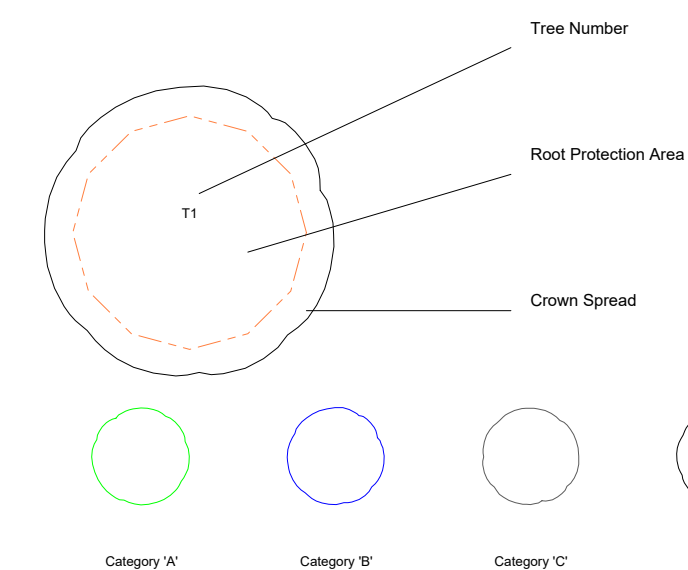
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02/05/2025

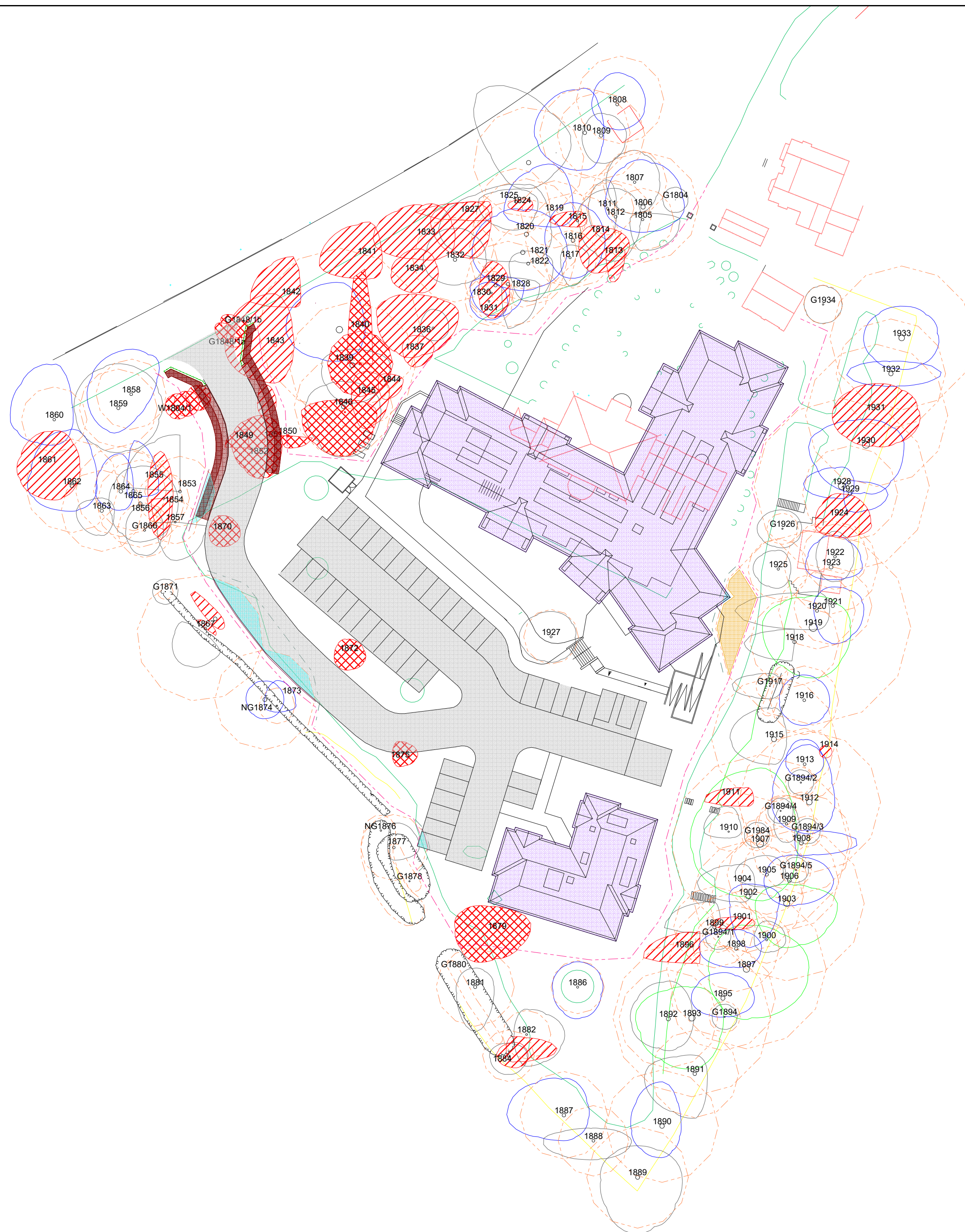
AAS/04511 TPP - Rev 02 May 2025

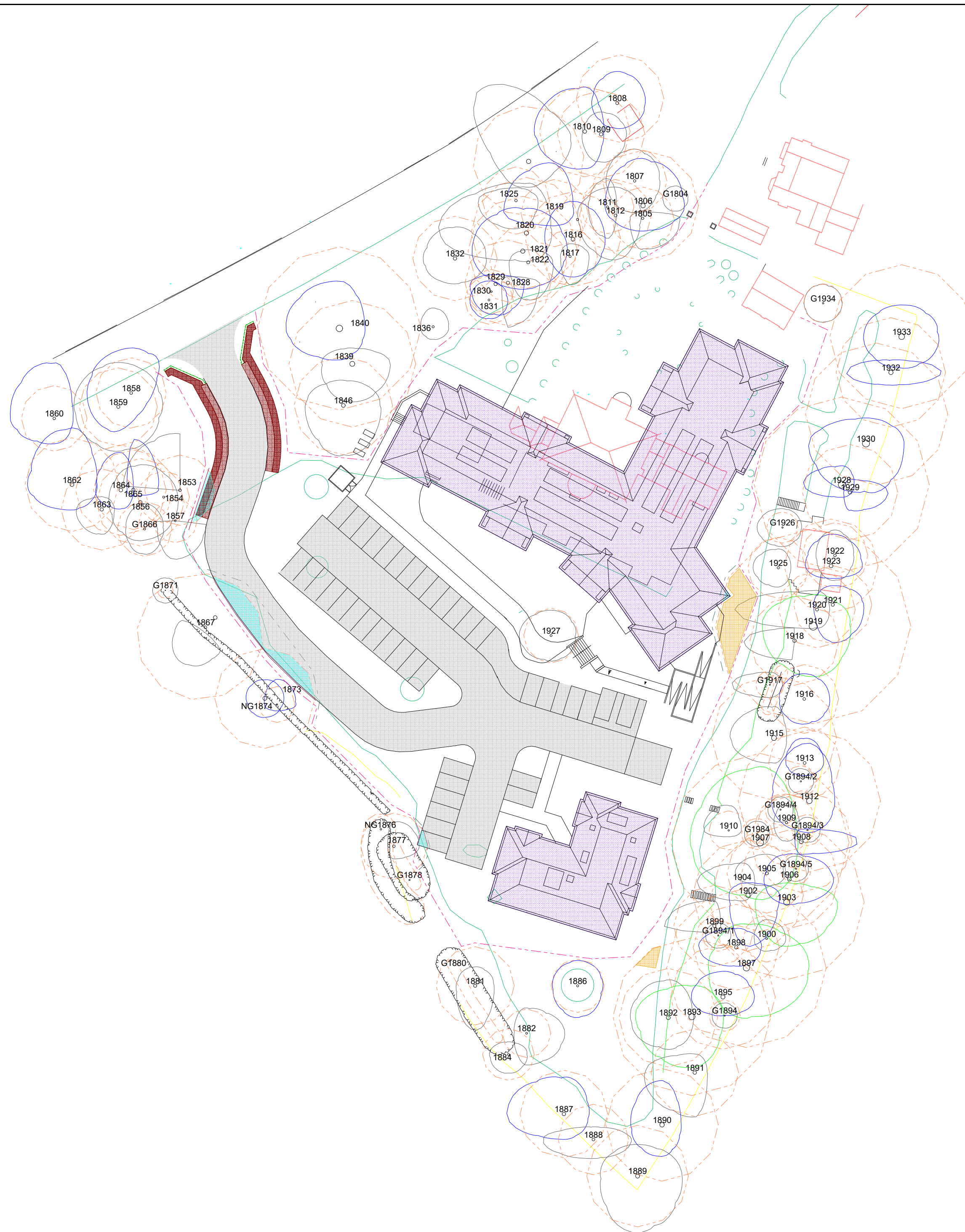


PLAN TO BE READ IN COLOUR



- New access and parking
- Category U trees for removal
- Trees removed to facilitate development
- Care home footprint
- Gabions
- Encroachment into RPA

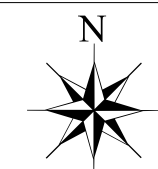




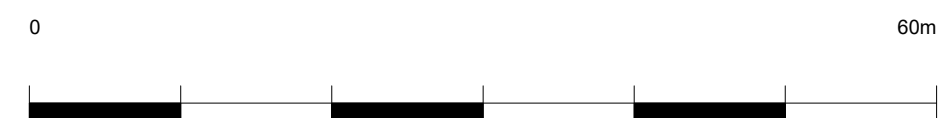
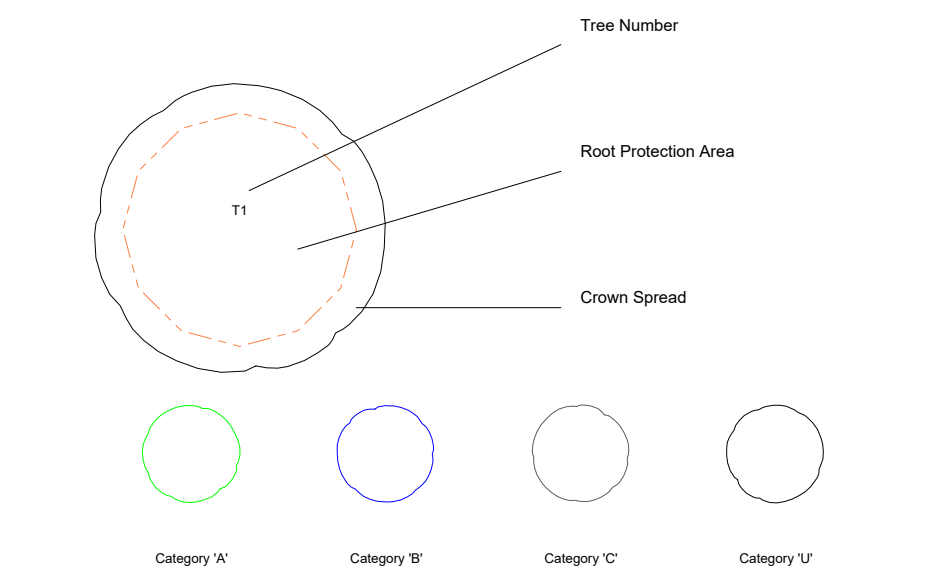
Highfields, East Grinstead Tree Protection Plan - Proposed Layout

SCALE : 1 : 500 @ A2 DATE : 02/05/2025

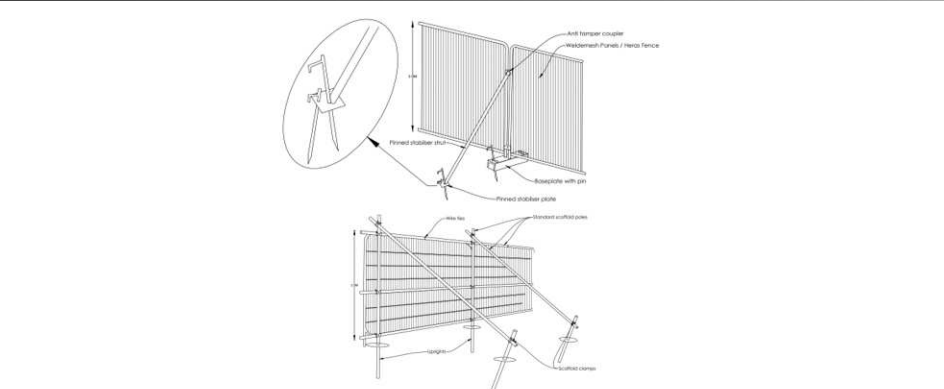
AAS/04511 TPP - Rev 02 May 2025



PLAN TO BE READ IN COLOUR



- New access and parking
- Ground Protection
- Encroachment into RPA
- Manual excavation/root pruning
- Tree Protection Fencing
- Care home footprint
- Gabions
- Temporary Fencing



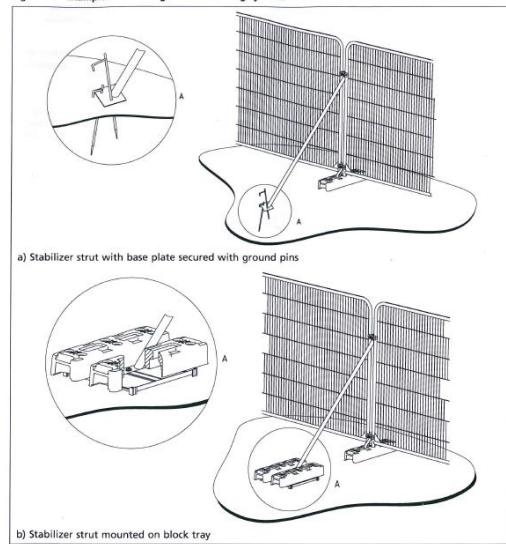
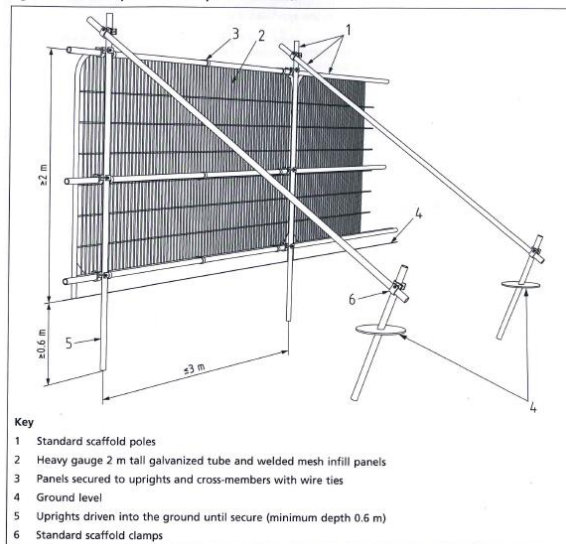
GROUND PROTECTION

For pedestrian and vehicle weights up to 2000KG within the RPA the installation of ground protection shall be in the form of a single thickness of scaffold boards or ply board on top of a compressible layer of woodchip (100-200mm deep) laid onto a geotextile, or supported by scaffold. For heavier traffic a proprietary system such as Greenfisk Ground-Guards (heavy duty plastic ground protection mats clipped together) laid above 150mm deep layer of compressible woodchip. Or: pre-cast reinforced concrete slabs. No storage or mixing of potentially hazardous materials within these areas: such as diesel fueling or cement mixing (unless specific precautions have been made that prevents runoff / contamination into the ground from any spillage).

Labels in diagram: Tree Protection Fences, Tree, Fixing pin & gravel board, Butted 18mm ply sheets or scaffold boards, 75-200mm compressible material - woodchip, gravel board and fixing pin, Geotextile membrane, Roots, Ground level, SOIL & Roots.

APPENDIX 3 - Tree protection fencing and ground protection

details BS 5837:2012 Specification for protective barrier



Types of Ground Protection

There are various proprietary ground protection mats on the market which provide a secure and stable solution to preventing compaction within the Root Protection Area of a tree.

Various suppliers are available, by using Google and looking for '*Ground Protection/compression Mats*' a supplier can be found.

Ground protection should be laid over an impermeable geo-textile to prevent leakage of any toxic materials into the soil beneath



APPENDIX 4– Statement of Supervision – Highfields, West Hill, East Grinstead, RH19 4DL

Introduction

In accordance with a planning application to be submitted for Highfields, West Hill, East Grinstead, RH19 4DL

The purpose of this document is to ensure that all works that have an impact on retained trees is undertaken with the approved Method Statement and Tree Protection Plan. As such the purpose of the statement is to identify the following arboricultural issues.

- Approved documents
- Key staff and contacts
- Critical phase of pre-commencement, induction, and construction.

Approved Documents

The following documents must be available to all those with responsibility for arboricultural matters during construction.

- BS 5837 2012; Trees in Relation to Design, Demolition and Construction – Recommendations.
- Notice of Planning Decision – decision pending
- Arboricultural Method Statement and Tree Protection Plans for Highfields, West Hill, East Grinstead, RH19 4DL produced by Arc Arboricultural Solutions Ltd dated November 2023: -
 - AAS/0511 – TPP Rev 01 November 2024

Key Staff

Below are key people responsible for arboricultural matters on site during construction.

Agent	Westbournes	-	-
Arboricultural Consultant	Arc Arboriculture	Arc.arboriculturalsolutions@gmail.com	07553 870759
Site Manager	TBC	-	-

APPENDIX – Timetable for Tree Protection Works

Item	Operation*	Pre-Construction	During Construction	On Completion
1	Carry out scheduled tree works to removed, G1848/1a, b, W1804, 1849, 1851, 1852, 1870, 1872, 1875, 1879, 1813, 1814, 1815, 1824, 1826, 1827, 1830, 1833, 1834, 1835, 1837, 1838, 1841, 1842, 1843, 1844, 1845, 1847, 1854, 1855, 1861, 1868, 1869 Pre-commencement site meeting to discuss tree protection details	X	-	-
2	Erect temporary fencing and ground protection as plan ref AAS/0511 – TPP Rev 02 May 2025May 2025 - Appendix 2	X	-	-
3	Affix warning signs to fencing – Appendix 8	X	-	-
4	Demolish main dwelling. Carry out root pruning works, and construction of no-dig for new access	-	X	X
5	Following completion of root pruning and installation of no-dig re-align temporary fencing as plan AAS/0511 Rev 02 TPP May 2025 – Appendix 2		X	X
6	Arboricultural supervision and advice including site visits during the works to check the CEZ and liaison with the Local Authority as required.	X	X	X
7	Remove both protective fencing and ground protection	-	-	X
8	Check condition of the protected trees and consider if remedial works are necessary.	-	-	X

* All work to comply with the attached Arboricultural Method Statement and BS5837: 2012 Trees in relation to design, demolition and construction - Recommendations"

APPENDIX 6 - General Guidance

The following general precautions must be taken during the construction phase.

- No materials or fuel shall be stored close to or within the RPAs of trees to be retained or where new trees are to be established.
- There shall be no bonfires within 10m of the outer edge of the crown or RPA of a tree to be retained.
- Mechanical equipment must not be refuelled within the RPAs of retained trees or areas where new trees are to be established.
- No cement shall be mixed or stored within the RPAs of retained trees or areas where new trees are to be established.
- Cement mixers must not be washed within or uphill of the RPAs of retained trees or areas where new trees are to be established.
- The soil level within the RPA of a retained tree must not be raised or lowered without the agreement of the local authority Tree Officer.
- No plant shall be operated within the RPAs of retained trees unless the soil is suitably protected against compaction.
- Excavation should not take place within the RPAs of retained trees unless an arboricultural consultant or the local authority Tree Officer is supervising the work.
- The guidance provided by NJUG (2007) should be followed when installing
- underground services within the RPAs of retained trees.
- Surface water runoff must not be redirected into or out of the RPA of a retained tree.
- No materials shall be dumped within the RPA of a tree, whether in a skip or on the ground.
- No vehicles shall be parked or operate within the RPA of a retained tree.

APPENDIX 7 – Signs to be printed at A3, laminated then affixed to Tree Protection fencing





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