



ARBORICULTURAL METHOD STATEMENT

to BS 5837:2012 at:

Dismantled railway, Between Bar Lane and Lee Lane, Barnsley

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

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

Prepared for:
Barnsley Metropolitan Borough Council

Date: *March 2022*

Reference: AWA4235



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1. Introduction

1.1 Instruction

1.1.1 We have been instructed by Barnsley Metropolitan Borough Council to prepare an Arboricultural Method Statement for the proposed development at:

- **Dismantled railway, between Bar Lane and Lee Lane, Barnsley**

1.2 Purpose

1.2.1 This Method Statement has been prepared in order to demonstrate that the development operations at this site can be undertaken with minimal risk of adverse impact on the trees to be retained.

1.2.2 This Method Statement conforms to BS 5837:2012 *Trees in relation to design, demolition and construction - Recommendations*. It is based on the arboricultural data, collected at a site visit during January 2022, detailed within Appendix 3 of this report.

1.3 Description of Development

1.3.1 It is proposed to build a new cycle path in the approximate footprint of the existing public footpath and will include associated ground level changes and a flood storage swale. The proposed development layout has been provided by Barnsley Metropolitan Borough Council and is the basis for the Tree Protection Plan (TPP) at Appendix 4.

1.4 Details of Consent

1.4.1 Planning consent is subject to this Method Statement being agreed upon in advance by the Local Planning Authority. The contents of this report must be adhered to, before, during, and after the construction phase.

1.4.2 As such, no equipment, machinery or materials shall be brought onto the site in connection with the development until this Arboricultural Method Statement detailing tree management and tree protection measures has been submitted to and approved by the Local Planning Authority.

2. Method Statement Timeline

2.1 Overview of Sequence of Operations

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

- 1 Method Statement approved by the LPA.
- 2 Undertake tree works as detailed in Appendix 3.
- 3 Install tree protective fencing.
- 4 Pre commencement meeting/confirm tree protection is as specified.
- 5 Construction of new development.
- 6 Removal of tree protection.

2.2 Specific Sequence of Operations

2.2.1 The following timeline table informs the key principles for development operations proceeding in relation to arboricultural requirements conditioned as part of this method statement.

2.2.2 The actions and timescales within this table must be adhered to in order to discharge the arboricultural method statement planning condition for this site.

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

Sequence of Operations		
Stages	Action	Arboricultural Input
1 Approval	This AMS is submitted to and approved in writing by the LPA.	If necessary, liaise with contractor and LPA to discuss methodologies detailed.
2 Tree Works	Tree removals and pruning works shall be carried out as the first operation on site, in accordance with Appendix 3 and as detailed in section 3.1.	Review the tree work requirements with the tree contractor. If necessary, liaise with the contractor on site during tree works.
3 Tree Protection	Installing the tree protective fencing will take place prior to any storage of plant, materials and machinery. As shown at Appendix 4.	If necessary, liaise with the contractor installing the protective fencing until completed to the standard specified in this method statement.
4 Site Meeting	Following installation of tree protection measures, the LPA shall be invited to inspect the fencing, tree works, and to discuss any other site operations that have implications for trees.	Meeting with a representative of the LPA and the site manager. Alternatively, contractor can confirm the fencing and tree works are as specified by taking photographs of the tree protection measures.
5 Construction	Undertake the construction of the new development.	If necessary, liaise with the local authority and the site foreman to ensure any issues are adequately resolved.
6 Site Finishing	Removal of tree protective measures must only be undertaken when all site traffic and machinery has left the site.	If acceptable to the LPA, the contractor can take photos of the site to give to the LPA to gain approval for the removal of protective measures.

3. Tree Management

3.1 Tree Works

- 3.1.1 The development will require the removal of 77 trees and 3 groups; T3, T8, T9, T10, T12, T13, T14, T15, T18, T23, T24, T28, T29, T30, T31, T32, T33, T34, T35, T36, T37, T38, T39, T40, T43, T44, T45, T50, T61, T62, T63, T64, T67, T68, T73, T75, T78, T80, T81, T82, T83, T84, T85, T86, T88, T95, T96, T98, T99, T101, T102, T103, T104, T106, T107, T108, T114, T115, T116, T117, G119, T120, T121, T124, T126, T127, T128, T136, G142, T147, T150, T152, T153, T156, T159, G171, T175, T177, T183, T184 and T185.
- 3.1.2 Sections of G1 and G174 will also require removal to facilitate the development.
- 3.1.3 Trees unsuitable for retention due to poor condition and limited life expectancy are T2, T11, T16, T17, T19, T25, T26, T27, T41, T42, T46, T47, T55, T57, T59, T60, T66, T70, T71, T74, T87, T90, T92, T93, T94, T100, T105, T110, T112, T135, and T137.
- 3.1.4 The trees requiring removal are highlighted in red on the Tree Protection Plan at Appendix 4 and as detailed in the tree data schedule at Appendix 3.
- 3.1.5 Retained trees and tree groups T7, T22, T52, T53, T56, T58, T69, T72, T79, T77, T113, T118, T122, G123, T125, T129, T132, T133, T134, T141, G143, G144, T14 and G165 will also require pruning works to facilitate the proposed development, detailed in the tree data schedule at Appendix 3.
- 3.1.6 All tree work should be carried out according to British Standard 3998:2010 Tree Work - Recommendations.
- 3.1.7 When appointing a tree surgeon, only properly qualified and experienced companies should be used, who have adequate Public Liability and Employer's Liability Insurance.

4. Tree Protection

4.1 Tree Protection Fencing

- 4.1.1 The protective fencing for this site should be located as shown on the Tree Protection Plan (TPP) at Appendix 4 (as illustrated with a thick purple line).
- 4.1.2 Due to steep embankments in close proximity to retained trees, the precise fencing location may need to be slightly adjusted on site but should not significantly differ from that shown on the TPP. The final fencing position must be agreed on by the LPA before the commencement of any site works.
- 4.1.3 The tree protective fencing details should be incorporated into relevant subsequent plans, method statements used for design purposes and construction drawings issued for use on site, to ensure that all interested parties are fully aware of the areas in which access and works may and may not take place.
- 4.1.4 The protective fencing will be appropriate to the degree and proximity of likely construction works. In this instance, the default BS 5837:2012 tree protection fencing is deemed disproportionate. It is suggested (if acceptable by the LPA) an adequate level of protection for the trees could be provided by 'Heras' type fencing, of welded mesh panels on rubber or concrete feet and for the lower value trees more remote from works, heavy duty plastic mesh fencing secured to steel pins.
- 4.1.5 The fencing should be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed from inside the fence. The fencing panels should be supported on the inner side by stabilizer struts, which should normally be attached to a base plate secured with ground pins or mounted on a block tray (see Appendix 1 for an example).
- 4.1.6 The area enclosed by the fencing is referred to as the Construction Exclusion Zone (CEZ); this area should be considered a restricted area. No pedestrians, vehicles, storage of materials, equipment or machinery should be allowed within the CEZ unless specified in this method statement. The site manager must ensure that all personnel are aware of the restrictions that apply to the fenced-off area.

- 4.1.7 Once the fencing is erected, waterproof warning signs labelled 'Tree Protection Area' should be placed at 3m intervals to ensure that all personnel are aware of the restrictions that apply to the fenced-off area (see Appendix 1 for an example sign).
- 4.1.8 The protective fencing should be inspected for faults or damage by the site manager or other responsible named person on a regular basis and a written record kept. Any faults or defects should be repaired or replaced as soon as is reasonably practicable. The Tree Protection Fencing shall not be removed, breached or altered without prior written authorisation from the local planning authority and under arboricultural supervision by a suitable named responsible individual appointed by the site manager.

4.2 New Hard Surfaces and Ground Level Changes

- 4.2.1 A new cycle path and associated ground level changes are proposed within the RPA of retained trees. The required excavation and construction works within these RPAs should not adversely impact on the health or future condition of retained trees providing the design and construction of the hard surfaces is sensitive to the requirements of tree roots, substantial enough to withstand the expected levels of traffic and practicable in terms of ease of fabrication.
- 4.2.2 The finished surface must be porous in order to allow air and water to reach the tree roots, whilst at the same time being able to withstand the load applied. Severance of roots and soil compaction should be avoided. Any minor excavations in these areas must be done so using hand tools only.
- 4.2.3 We are not qualified to recommend any particular construction method in terms of durability or structural integrity and any proposed construction method should be approved by a qualified structural engineer prior to implementation.
- 4.2.4 No heavy machinery should be brought into the RPA of retained trees. Mechanised diggers or compacting plates methods should not be used near to trees.
- 4.2.5 Construction works should be carried out in such a way as to avoid significant ground level changes or deep digging close to retained tree stems.

4.3 Land Drainage

- 4.3.1 Any land drainage within the RPA of retained trees should be designed to avoid damage to the tree and the soil structure. In this instance, the proposed flood storage swale is to be directed away from any retained trees.

4.4 Additional Precautions

- 4.4.1 Allowance should be made for operations outside of the CEZ that could indirectly impact on trees. Including space for site huts, temporary toilet facilities (including their drainage) and other temporary structures.
- 4.4.2 Care must be taken to prevent contamination with chemical spillages, including petrol, diesel and oils. Cement mixers and any other toxic materials should not be permitted within the RPA of the trees. Any materials whose accidental spillage would cause damage to a tree should be stored and handled well away from the outer edge of its RPA.
- 4.4.3 Fires on the site should be avoided if possible. Where they are unavoidable, and approved by the Local environmental health authority, they should not be lit in a position where heat could affect foliage or branches. The potential size of a fire and the wind direction should be considered when determining its location, and it should be attended always until safe enough to leave.

4.5 Post Construction Landscaping

- 4.5.1 Many of the trees on site may be subject to some form of landscaping or seeding beneath their canopies after the development phase. At this stage the protective fencing will have been removed and the property may be occupied.
- 4.5.2 Landscaping works should be carried out in such a way as to avoid ground level changes or deep digging. Tractor mounted rotovation or other mechanised cultivation methods must not be used.
- 4.5.3 No heavy machinery should be brought into the vicinity of retained trees.
- 4.5.4 Herbicides should be appropriate for the purpose and should not be used in such a way as to damage any retained trees or vegetation.

5. Signature

I trust this report provides all the required information.

Signed



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Adam Winson

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

15th March 2022

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Appendix 1: Images and Figures

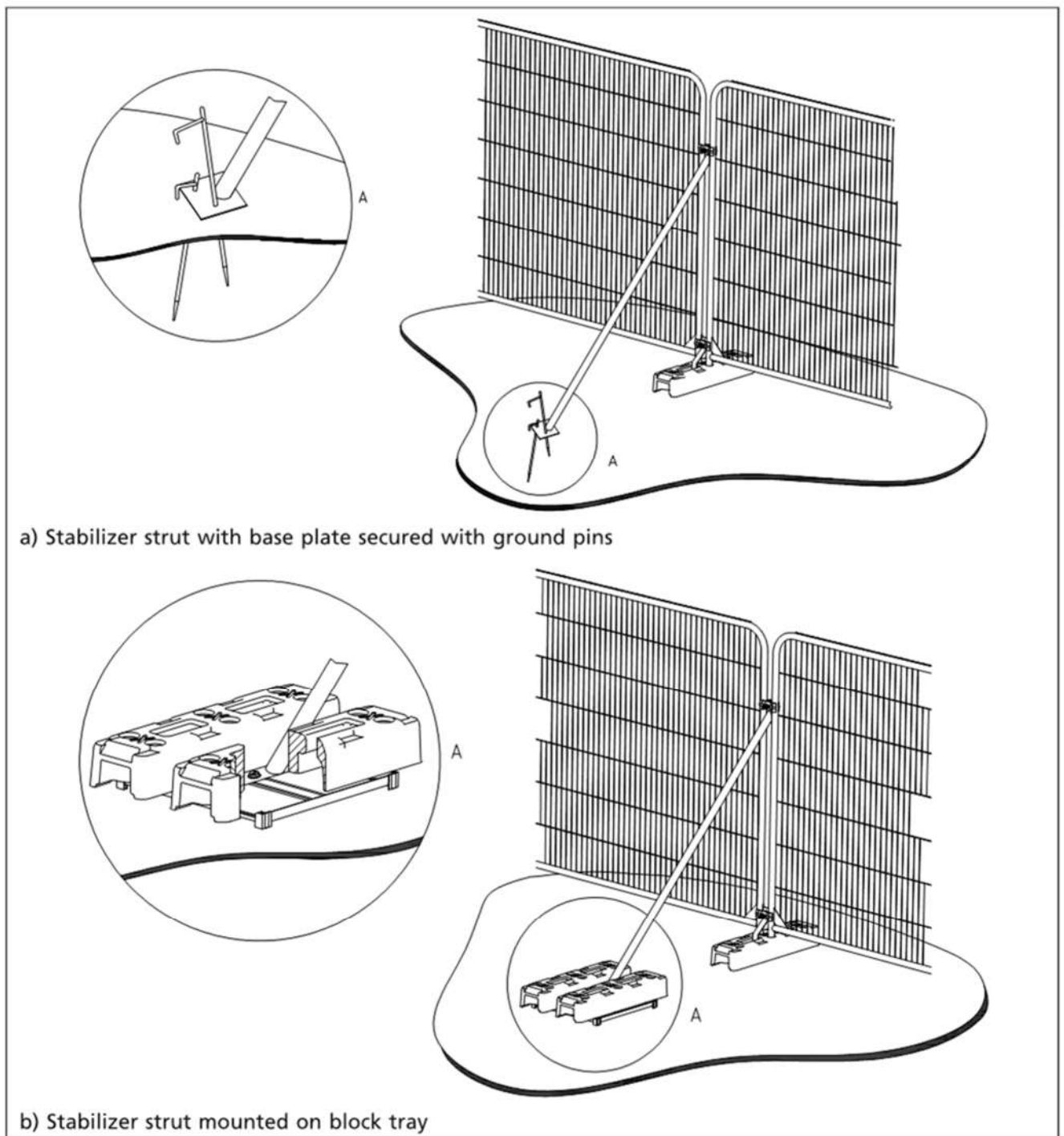


Figure 1: Secured 'Heras' type fencing with stabilizing system and fixed central pins (©BSI)



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



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



Figure 4: Warning sign for fencing



Figure 5: Plastic mesh fencing secured with heavy duty metal stakes

Appendix 2: Relevant Contact Details

Contact Name	Organisation/Details	Contact Number	Contact E-mail
Nick Fovargue	Barnsley Metropolitan Borough Council	07808 819 381	NickFovargue@barnsley.gov.uk
Adam Winson	AWA Tree Consultants Ltd Arboricultural Consultant	0114 272 1124	adam@awatrees.com

	Tree Species			Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
G1	Poplar Hawthorn Elder Cherry	Populus sp. Crataegus sp. Sambucus sp. Prunus sp.	Semi-mature	12	10+	240	Yes	1.5	See Plan				Unmanaged bankside group. Poplar grouped around western aspect with Hawthorn and Elder making up understorey. Occasional Cherry. Ground works to raise ground level to the west of the group has covered some trees' lower stems. Provides moderate screening				Fair	Fair	20 to 40 yrs	Low	C	Removal of trees within eastern section required to facilitate development
T2	Poplar	Populus canescens	Early-mature	10	1	330	No	4	5	3	1	1	Increase in soil level. Adjacent ground works. Ground level changes	Single stemmed. Significant lean. Old pruning wounds. Stubs. Bark damage	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Unbalanced	Roots damaged and tree leaning north into G1, likely as a result of ground works to west	Fair	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T3	Sycamore	Acer pseudoplatanus	Early-mature	11	6	230 avg	Yes	2	4.5	4	4.5	4.5	No visual defects	Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Partially included bark. Cup-like union collecting dirt/water. Bark damage	Rubbing branches. Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Included bark at base. Minor vandalism on several stems	Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
G4	Hawthorn	Crataegus monogyna	Early-mature	6	10+	140	Yes	0.5	See Plan				Unmanaged roadside group. Multiple stemmed and bramble covered. Access prevented limited inspection and accurate stem measurements				Fair	Fair	20 to 40 yrs	Low	C	No works required

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Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T5	Birch	Betula pendula	Semi-mature	11	1	160	No	2	1	2.5	3	2	No visual defects	Single stemmed. Slight lean to south. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Slight lean corrects at 2m	Fair	Fair	20 to 40 yrs	Moderate	C	No works required
T6	Birch	Betula pubescens	Semi-mature	10	1	110	Yes	1.5	1	2.5	1	1	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Moderate	C	No works required
T7	Hawthorn	Crataegus monogyna	Early-mature	7	8	100 avg	Yes	1	2	2.5	2.5	3	Limited access around base	Multiple stemmed at 0.5m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight union	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Bramble covered	Fair	Fair	>40 yrs	Low	C	Reduce western crown by 1m to facilitate development
T8	Goat Willow	Salix caprea	Early-mature	9.5	2	250 100	Yes	1	2	2.5	2	2	No visual defects	Multiple stemmed at base. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Leans over path	Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T9	Goat Willow	Salix caprea	Mature	11	6	250 avg	Yes	4	5	5	6	6.5	No visual defects	Multiple stemmed at base. Slight lean to west. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Tight union. Included bark Minor cavities	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Unbalanced	Western stem has significant lean over path, tight union with included bark at base	Fair	Poor	10 to 20 yrs	Moderate	C	Removal required to facilitate development
T10	Goat Willow	Salix caprea	Mature	9	2	270 180	Yes	2	4	3	3.5	6	Root damage /loss. Damage to buttress roots	Twin stemmed at base. Significant lean to west. Epicormic growths. Old pruning wounds. Stubs. Cavities. Decay	Old pruning wounds. Cavities. Snapped /hanging branches. Minor deadwood		Fair	Poor	10 to 20 yrs	Low	C	Removal required to facilitate development
T11	Poplar	Populus canescens	Semi-mature	8	2	200 90	Yes	3	1	1	3	4	Exposed roots. Waterlogged	Twin stemmed at 0.5m. Significant lean. Old pruning wounds. Stubs. Bark damage. Cavities. Major decay	All dead / absent. Major deadwood. Snapped /hanging branches	Leans over path	Dead	Dead	n/a	Low	U	Removal recommended regardless of development
T12	Hawthorn	Crataegus monogyna	Mature	8	1	270	Yes	0.5	3	3	3	3	Exposed roots	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Growing on dilapidated brick wall	Fair	Fair	>40 yrs	Low	C	Removal required to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T13	Hawthorn	Crataegus monogyna	Early-mature	9	10+	90 avg	Yes	0.5	2.5	2.5	4	2	No visual defects	Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight union. Partially included bark. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	Removal required to facilitate development
T14	Birch	Betula pendula	Semi-mature	12	1	170	No	8	2.5	1.5	2.5	1.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development
T15	Goat Willow	Salix caprea	Early-mature	12	1	240	No	7	2.5	3.5	2	1.5	No visual defects	Single stemmed. Slight lean. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Cavities. Decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Leans over path. Cavity at base with some reaction wood	Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T16	Birch	Betula pubescens	Young	8	1	100	No	6	2.5	3	1.5	1	Waterlogged	Single stemmed. Slight lean to east. Old pruning wounds. Stubs. Bark damage. Major cavity. Decay	Small / sparse. Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Leans over path	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development

	Tree Species			Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T17	Birch	Betula pubescens	Semi-mature	12	1	120	Yes	4	1.5	1	1.5	2	Waterlogged	Single stemmed. Slight lean. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Major cavity. Decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Overhangs path	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T18	Sycamore	Acer pseudoplatanus	Semi-mature	13	1	300	Yes	6	3.5	3.5	3.5	3.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development
T19	Goat Willow	Salix caprea	Semi-mature	12	1	170	No	3	2	2.5	2.5	2.5	Waterlogged	Single stemmed. Slight lean to south. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Cavities. Decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches	Failed stem to east. Leans into path	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T20	Goat Willow	Salix caprea	Young	6	1	110	No	2	3	1.5	1	1.5	No visual defects	Single stemmed. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	No works required

	Tree Species			Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T21	Birch	Betula pubescens	Early-mature	13	1	180	Yes	8	2	2	2	2	No visual defects	Single stemmed. Slight lean. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Minor cavity. Decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Cavity at base	Fair	Fair	20 to 40 yrs	Low	C	No works required
T22	Birch	Betula pubescens	Semi-mature	12	1	160	Yes	2.5	3	2	1.5	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Raise crown to 4m to facilitate development
T23	Goat Willow	Salix caprea	Early-mature	12	1	280	No	3	2	4	2	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Cavities. Decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Cavity on western aspect of stem, good reaction wood	Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T24	Birch	Betula pubescens	Early-mature	13	1	170	No	7	1.5	2	2	1	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Cavities. Decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development

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T25	Birch	Betula pubescens	Early-mature	13	1	220	No	7	2.5	2.5	2.5	2.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Major cavity. Major decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Major vertical cavity on northern aspect of stem	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T26	Goat Willow	Salix caprea	Semi-mature	12	1	180	Yes	6	2.5	2	3	2	No visual defects	Twin stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Major cavity. Major decay	Small / sparse. Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches		Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T27	Goat Willow	Salix caprea	Early-mature	10	1	280	No	2	3.5	2	1	2	No visual defects	Single stemmed. Slight lean. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Major cavity. Major decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches	Vertical fracture on main stem and previously failed lateral branch	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T28	Birch	Betula pendula	Early-mature	13	1	210	No	10	2	2	2	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T29	Birch	Betula pendula	Early-mature	13	2	240 210	No	5	2.5	2	1.5	4	No visual defects	Twin stemmed at base. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Poor union at base. Western stem with cavities and leans over path	Fair	Fair	10 to 20 yrs	Moderate	C	Removal required to facilitate development
T30	Goat Willow	Salix caprea	Mature	13	1	300	No	5	3	2.5	3	2.5	No visual defects	Twin stemmed at 2m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Tight union. Partially included bark. Minor cavities. Minor decay. Decay fungi	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Rubbing stems with some included bark	Fair	Poor	10 to 20 yrs	Low	C	Removal required to facilitate development
T31	Goat Willow	Salix caprea	Mature	11	2	210 210	No	3	3	2	4	2.5	No visual defects	Twin stemmed at base. Vertical. Old pruning wounds. Stubs. Bark damage. Minor cavities. Minor decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches	Significant vertical cavity on northern stem. Additional cavity at base of both stems	Fair	Poor	10 to 20 yrs	Low	C	Removal required to facilitate development
T32	Birch	Betula pubescens	Early-mature	13	1	170	No	8	1.5	1	1.5	1.5	Exposed roots	Single stemmed. Vertical. Old pruning wounds. Stubs	Small / sparse. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development

Tree ID	Tree Species		Maturity	Measurements				Crown (m)				Tree Condition							Value		Management	
	Common Name	Latin Name		Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T33	Goat Willow	Salix caprea	Mature	13	1	280	No	3.5	3	2	4.5	2.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight union. Bark damage. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development
T34	Hawthorn	Crataegus monogyna	Semi-mature	7.5	5	130 100 90 80 60	No	2	1.5	3	3.5	1.5	No visual defects	Multiple stemmed at 1m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight union	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	Removal required to facilitate development
T35	Birch	Betula pubescens	Semi-mature	13	1	170	No	9	2	2	2	2	No visual defects	Single stemmed. Vertical. Old pruning wounds. Stubs. Bark damage. Major cavity. Minor decay	Low vigour. Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Significant vertical cavity on western aspect of stem	Poor	Poor	10 to 20 yrs	Low	C	Removal required to facilitate development
T36	Oak	Quercus robur	Early-mature	13	6	190 avg	Yes	4.5	4	5	5	4	No visual defects	Multiple stemmed at 1m. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	B	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T37	Birch	Betula pubescens	Semi-mature	10	1	100	No	8	4	1	0.5	1	No visual defects	Single stemmed. Epicormic growths. Significant lean to north. Old pruning wounds. Stubs. Minor cavities. Minor decay	Low vigour. Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T38	Goat Willow	Salix caprea	Early-mature	11	2	200 180	Yes	3	2	3	2	4	Limited access around base	Twin stemmed at base. Vertical. Stubs. Old pruning wounds. Bark damage. Cup-like union collecting dirt/water. Minor cavities. Minor decay	50% dead / absent. Old pruning wounds. Cavities. Major deadwood. Snapped /hanging branches		Poor	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T39	Goat Willow	Salix caprea	Semi-mature	10	1	200	No	6	2.5	4	1	0.5	Exposed roots	Single stemmed. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs. Minor cavities. Minor decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Slightly unbalanced. Rubbing branches	Leans over path into adjacent trees crown	Fair	Poor	10 to 20 yrs	Low	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T40	Goat Willow	Salix caprea	Early-mature	10	1	220	Yes	3	2	4.5	2	1	Exposed roots. Soil erosion	Single stemmed. Significant lean to south. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Tight union. Partially included bark. Minor cavities. Minor decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Rubbing branches		Fair	Poor	10 to 20 yrs	Low	C	Removal required to facilitate development
T41	Birch	Betula pendula	Mature	9.5	1	270	Yes	3.5	1	7	1	0.5	Limited access around base. Soil erosion. Exposed roots	Single stemmed. Significant lean. Epicormic growths. Old pruning wounds. Stubs. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Unbalanced	Possible root heave/subsidence. Leans over path. Failed branches from adjacent trees leaning on stem	Fair	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T42	Goat Willow	Salix caprea	Mature	12	6	220 avg	No	3	4	7	2	1.5	Limited access around base. Soil heave	Multiple stemmed at base. Significant lean to east. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Tight union. Partially included bark. Cup-like union collecting dirt/water. Major cavities. Major decay	Old pruning wounds. Cavities. Major deadwood. Snapped /hanging branches. Unbalanced. Rubbing branches	Possible root heave/subsidence. Leans over path into stem of adjacent tree	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T43	Goat Willow	Salix caprea	Semi-mature	10	1	220	No	4	4.5	4	1.5	1.5	No visual defects	Single stemmed. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Minor cavities. Minor decay	25% dead / absent. Low vigour. Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches		Poor	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T44	Birch	Betula pubescens	Semi-mature	13	1	160	No	7.5	1.5	3	1.5	1	No visual defects	Twin stemmed at base. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Tight union. Partially included bark. Minor cavities. Minor decay		Dead stump at base. Crown of adjacent tree leaning into stem	Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T45	Birch	Betula pubescens	Early-mature	12	1	290	No	6.5	3	3	2	2	No visual defects	Single stemmed. Slight lean to north. Epicormic growths. Old pruning wounds. Stubs. Tight union. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Small Apple growing against lower stem causing bark damage	Fair	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T46	Goat Willow	Salix caprea	Early-mature	11	3	200 170 150	No	6	2.5	7	2.5	2	Limited access around base	Multiple stemmed at base. Slight lean. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Cup-like union collecting dirt/water. Minor cavities. Major decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Unbalanced	Eastern stem failed at 3m, leaning into adjacent tree over path. Dead stump at base. Northern stem with significant decay at base	Fair	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T47	Goat Willow	Salix caprea	Mature	11	7	200 avg	Yes	3	6.5	5	5.5	4.5	No visual defects	Multiple stemmed. at 1m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Tight union. Partially included bark. Cup-like union collecting dirt/water. Minor cavities. Minor decay	Low vigour. Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Rubbing branches	Failed stem resting in crown. Two western stems with significant vertical cavity. Significant deadwood in western crown. Recommend removing w two stems	Fair	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T48	Maple	Acer campestre	Mature	12	2	380 280	No	4	4	7	4	2	No visual defects	Twin stemmed at 1m. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Unbalanced to east. Rubbing branches	Busy crown. Small bacterial bleed on lower branch	Fair	Fair	20 to 40 yrs	Moderate	B	No works required

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T49	Oak	Quercus robur	Early-mature	14	1	310	No	6	4.5	5	3	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Slightly unbalanced to east	Small Birch leaning into lower stem	Fair	Good	>40 yrs	Moderate	B	No works required
T50	Oak	Quercus robur	Semi-mature	10	1	210	No	3	3	1.5	3	3	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Good	>40 yrs	Moderate	C	Removal required to facilitate development
T51	Birch	Betula pubescens	Semi-mature	11	2	200 160	Yes	6	4	5	2	1.5	Limited access around base	Twin stemmed at base. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs. Ivy covered. Cup-like union collecting dirt/water	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Ivy covered	Climbing rose throughout crown	Poor	Fair	10 to 20 yrs	Low	C	No works required
T52	Goat Willow	Salix caprea	Mature	10	1	270	No	4.5	3.5	5	4	1.5	No visual defects	Single stemmed. Slight lean. Epicormic growths. Old pruning wounds. Stubs. Minor cavities	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Reduce eastern crown by 2m to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T53	Goat Willow	Salix caprea	Mature	12	2	220 210	Yes	4.5	3.5	6	5	2.5	Limited access around base	Twin stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Minor cavities. Minor decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches	Dead stump at base	Fair	Fair	20 to 40 yrs	Moderate	C	Coppice to suitable height
T54	Oak	Quercus robur	Semi-mature	13	1	280	No	6	2	5	3	2	Exposed roots	Single stemmed. Stubs. Bark damage. Minor cavity. Minor decay. Significant lean to east	Low vigour. Cavities. Moderate deadwood. Snapped /hanging branches	Significant vertical cavity on eastern aspect of stem. Leans over path	Fair	Poor	10 to 20 yrs	Low	C	No works required
T55	Goat Willow	Salix caprea	Early-mature	10	1	170	No	2	2	3	2.5	2	No visual defects	Single stemmed. Significant lean to east. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Major cavity. Minor decay	Low vigour. Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Leans over path. Significant vertical cavity on stem	Fair	Poor	<10 yrs	Low	U	Removal recommended regardless of development

Tree Species				Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T56	Goat Willow	Salix caprea	Semi-mature	7.5	1	200	Yes	3	1	1.5	3.5	1.5	Limited access around base	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Major cavity. Major decay	25% dead / absent. Low vigour. Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Unbalanced to south	Significant vertical cavity on eastern aspect of stem. Several dead stumps at base	Poor	Poor	10 to 20 yrs	Low	C	Coppice to suitable height
T57	Goat Willow	Salix caprea	Early-mature	12	2	220 140	No	5	2	3.5	2	2	No visual defects	Twin stemmed at base. Vertical. Old pruning wounds. Stubs. Bark damage. Cup-like union collecting dirt/water. Major cavities. Major decay	25% dead / absent. Low vigour. Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches	Significant vertical cavities on both stems	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T58	Goat Willow	Salix caprea	Early-mature	11	2	180 130	No	4	1	2	2	2	Limited access around base	Twin stemmed at base. Vertical. Old pruning wounds. Stubs. Bark damage. Cup-like union collecting dirt/water. Minor cavities. Minor decay	25% dead / absent. Low vigour. Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches	Bark damage right up stems but not ring barked	Poor	Fair	10 to 20 yrs	Low	C	Coppice to suitable height

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T59	Goat Willow	Salix caprea	Early-mature	11	1	160	No	5	1	4.5	2	0.5	Limited access around base	Single stemmed. Significant lean to east. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Minor cavities. Minor decay	Old pruning wounds. Cavities. 25% dead / absent. Moderate deadwood. Snapped /hanging branches. Unbalanced	Overhangs path. Dead stumps at base	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T60	Willow	Salix caprea	Early-mature	10	1	170	No	5	1	4	2	0.5	Limited access around base	Single stemmed. Significant lean to east. Old pruning wounds. Stubs. Bark damage. Minor cavities. Minor decay	50% dead / absent. Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches	Overhangs path	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T61	Goat Willow	Salix caprea	Semi-mature	10	3	210 140 140	Yes	4	3.5	3.5	3.5	2	Limited access around base	Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Tight union. Partially included bark. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches		Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T62	Birch	Betula pubescens	Semi-mature	12	1	120	No	4	3	1.5	0.5	1.5	No visual defects	Single stemmed. Slight lean to north. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development
T63	Goat Willow	Salix caprea	Early-mature	12	1	220	Yes	5	2	2	2	2	Limited access around base	Single stemmed. Slight lean to south. Epicormic growths. Old pruning wounds. Stubs. Tight union. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T64	Goat Willow	Salix caprea	Mature	13	2	260 260	Yes	6	4	2	4	4	Limited access around base	Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Ivy covered. Bark damage. Cup-like union collecting dirt/water. Partially included bark. Cavities. Decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Climbing rose at base. Vertical cavity on northern aspect of stem	Fair	Poor	10 to 20 yrs	Low	C	Removal required to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T65	Hawthorn	Crataegus monogyna	Semi-mature	12	1	200	Yes	7	3	2	1	4	No visual defects	Single stemmed. Vertical. Stubs	Old pruning wounds. Cavities. Snapped /hanging branches. Rubbing branches	Old brick wall remnants to east	Fair	Fair	>40 yrs	Low	C	No works required
T66	Goat Willow	Salix caprea	Mature	11	6	270 avg	Yes	1.5	4	5.5	2.5	2.5	Exposed roots. Soil erosion. Soil heave	Multiple stemmed at base. Significant lean to east. Epicormic growths. Old pruning wounds. Bark damage. Minor cavities. Minor decay. Cup-like union collecting dirt/water	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Unbalanced. Rubbing branches	Subsiding from banking east, over path	Fair	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T67	Goat Willow	Salix caprea	Mature	14	1	250	No	5	2	2	4	3	Exposed roots	Single stemmed. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs. Bark damage	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Leans over path	Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T68	Birch	Betula pendula	Mature	14	1	250	Yes	8	2.5	2	2.5	2.5	Limited access around base	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T69	Goat Willow	Salix caprea	Early-mature	12	1	180	Yes	6	3	3	1.5	1.5	Limited access around base	Single stemmed. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Minor cavities. Minor decay	Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Overhangs path, leaning into adjacent tree	Fair	Fair	10 to 20 yrs	Low	C	Coppice to suitable height
T70	Goat Willow	Salix caprea	Early-mature	12	6	200 avg	Yes	6	3	1.5	3	3	Limited access around base	Multiple stemmed at 0.5m. Significant lean. Bark damage. Cavities. Decay	All dead / absent. Major deadwood. Snapped /hanging branches		Dead	Dead	n/a	Dead	U	Removal recommended regardless of development
T71	Goat Willow	Salix caprea	Semi-mature	10	2	120 100	Yes	6	1.5	1.5	1.5	1.5	Limited access around base	Twin stemmed at base. Slight lean. Stubs. Epicormic growths. Bark damage. Minor cavities. Decay	Cavities. Snapped /hanging branches. Major deadwood	Dead eastern stem overhangs path	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T72	Goat Willow	Salix caprea	Semi-mature	11	6	160 avg	Yes	3.5	3.5	3.5	2	2	Limited access around base	Multiple stemmed at base. Vertical. Epicormic growths. Stubs. Bark damage. Cup-like union collecting dirt/water. Partially included bark. Minor cavities. Minor decay	Cavities. Moderate deadwood. Snapped /hanging branches. Rubbing branches		Fair	Poor	10 to 20 yrs	Low	C	Coppice to suitable height

	Tree Species			Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T73	Oak	Quercus robur	Young	10	1	90	No	9	1	1	1	1	No visual defects	Single stemmed. Vertical. Stubs. Bark damage	Small / sparse. Cavities. Minor deadwood. Snapped /hanging branches	Bark damage on lower stem, vandalism	Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development
T74	Goat Willow	Salix caprea	Semi-mature	11	4	100 80 70 70	Yes	5	3	1.5	1.5	1.5	Limited access around base	Multiple stemmed at base. Slight lean. Stubs. Bark damage. Minor cavities. Minor decay	Cavities. 50% dead / absent. Low vigour. Moderate deadwood. Snapped /hanging branches	Only very top shoots with living growth. Honeysuckle on stems	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T75	Goat Willow	Salix caprea	Early-mature	11	3	180 120 100	Yes	3	3	3	4	2	Limited access around base	Multiple stemmed at 0.5m. Vertical. Epicormic growths. Stubs. Bark damage. Minor cavities. Minor decay	Cavities. Moderate deadwood. Snapped /hanging branches. Rubbing branches		Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T76	Sycamore	Acer pseudoplatanus	Early-mature	15	1	300	Yes	6	3.5	3	4	4	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs. Minor cavities	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	No works required
T77	Oak	Quercus robur	Young	9	2	120 110	Yes	1	2	2	2	3	No visual defects	Twin stemmed at base. Vertical. Epicormic growths. Stubs. Bark damage. Minor cavities. Minor decay	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	Reduce western crown by 1m to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T78	Oak	Quercus robur	Young	10	1	130	No	3	3	1	1	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	Removal required to facilitate development
T79	Goat Willow	Salix caprea	Semi-mature	9.5	2	140 90	Yes	3	1.5	3	3	1	Limited access around base	Twin stemmed at 0.5m. Vertical. Epicormic growths. Stubs. Bark damage. Minor cavities. Minor decay	25% dead / absent. Low vigour. Cavities. Minor deadwood. Snapped /hanging branches		Poor	Fair	10 to 20 yrs	Low	C	Coppice to suitable height
T80	Sycamore	Acer pseudoplatanus	Semi-mature	11	1	170	No	5	1.5	1.5	2.5	1.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	Removal required to facilitate development
T81	Goat Willow	Salix caprea	Early-mature	11	2	210 170	No	4	4	5	3	2.5	Limited access around base	Multiple stemmed at base. Significant lean to east. Epicormic growths. Stubs. Bark damage. Minor cavities. Decay	25% dead / absent. Low vigour. Cavities. Major deadwood. Snapped /hanging branches	Leans over path	Poor	Poor	10 to 20 yrs	Low	C	Removal required to facilitate development
T82	Oak	Quercus robur	Young	8.5	1	130	No	4	1.5	1	2	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs. Minor cavity	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	Removal required to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T83	Goat Willow	Salix caprea	Early-mature	8	1	200	Yes	2.5	4	2.5	2	2	No visual defects	Single stemmed. Significant lean to north. Epicormic growths. Stubs. Bark damage. Cavities. Decay	Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Lean corrects at 3m	Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T84	Sycamore	Acer pseudoplatanus	Semi-mature	12	1	180	No	6	1	1.5	2	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs. Bark damage. Minor cavities. Minor decay	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	Removal required to facilitate development
T85	Oak	Quercus robur	Semi-mature	13	1	310	No	6	2	4	3	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Moderate deadwood. Snapped /hanging branches. Rubbing branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development
T86	Birch	Betula pubescens	Semi-mature	10	1	210	Yes	6	2.5	1	1.5	3	No visual defects	Single stemmed. Slight lean to west. Epicormic growths. Stubs. Bark damage	Cavities. Minor deadwood. Snapped /hanging branches. Slightly unbalanced		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T87	Goat Willow	Salix caprea	Mature	10	7	180 avg	Yes	4	4	3	3	4	Limited access around base	Multiple stemmed at base. Significant lean. Epicormic growths. Stubs. Bark damage. Cup-like union collecting dirt/water. Cavities. Decay	50% dead / absent. Low vigour. Cavities. Major deadwood. Snapped /hanging branches	Leans over path	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T88	Sycamore	Acer pseudoplatanus	Semi-mature	13	6	200 avg	Yes	3	3	3	4	3	No visual defects	Multiple stemmed at base. Slight lean. Epicormic growths. Stubs. Bark damage. Cup-like union collecting dirt/water	Cavities. Minor deadwood. Snapped /hanging branches	Tight stems at base	Fair	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate development
G89	Goat Willow	Salix caprea	Semi-mature	10	6	180 avg	Yes	4	See Plan				Small unmanaged group. Stems lean east over path. Occasional tight unions at base. Dead stems and branches throughout group.				Fair	Fair	10 to 20 yrs	Low	C	No works required
T90	Birch	Betula pendula	Semi-mature	11	1	150	No	4	4	4	1	0.5	Soil heave. Exposed roots. Root damage /loss	Single stemmed. Significant lean. Stubs	Cavities. Minor deadwood. Snapped /hanging branches	Root plate heave from ground resting in adjacent tree crowns. Hangs over path	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T91	Birch	Betula pendula	Semi-mature	9	1	210	No	4	2.5	1	1.5	3	Soil heave	Single stemmed. Vertical. Stubs	Cavities. Major deadwood. Snapped /hanging branches		Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T92	Goat Willow	Salix caprea	Semi-mature	10	1	210	Yes	3	0.5	5	4	0.5	Soil heave. Exposed roots	Single stemmed. Significant lean to east. Stubs	Cavities. Minor deadwood. Snapped /hanging branches	Root plate heave, leans over path into crowns of adjacent trees	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T93	Goat Willow	Salix caprea	Semi-mature	10	2	180 140	No	3	2	5	2	0.5	Soil heave. Exposed roots	Twin stemmed at base. Significant lean to east. Stubs	Cavities. Minor deadwood. Snapped /hanging branches	Root plate heave, leans over path	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T94	Goat Willow	Salix caprea	Semi-mature	10	1	170	No	2	0.5	0.5	4	3	Soil erosion	Single stemmed. Slight lean. Old pruning wounds. Stubs. Bark damage. Cavities. Decay	Cavities. Minor deadwood. Snapped /hanging branches	Bark damage and decay on lower stem	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T95	Goat Willow	Salix caprea	Semi-mature	11	2	110 110	No	3	2	2	2	1	Soil heave	Single stemmed. Vertical. Stubs. Tight union	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T96	Goat Willow	Salix caprea	Semi-mature	10	2	180 100	Yes	3	2	5	2	2	Limited access around base	Twin stemmed at base. Vertical. Epicormic growths. Stubs. Old pruning wounds. Bark damage. Cavities. Decay	Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Some stumps at base, significantly decayed	Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T97	Goat Willow	Salix caprea	Semi-mature	11	1	310	No	6	2	4	3	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Moderate deadwood. Snapped /hanging branches. Rubbing branches		Fair	Fair	>40 yrs	Moderate	C	No works required
T98	Goat Willow	Salix caprea	Semi-mature	10	1	310	No	6	2	4	3	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Moderate deadwood. Snapped /hanging branches. Rubbing branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development
T99	Birch	Betula pendula	Early-mature	13	1	260	No	5.5	2	2.5	2.5	2.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Good	Fair	20 to 40 yrs	Moderate	B	Removal required to facilitate development
T100	Goat Willow	Salix caprea	Semi-mature	10	4	140 130 90 80	Yes	4	1.5	1.5	1.5	1.5	Limited access around base	Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Tight union. Cavities. Decay	50% dead / absent. Low vigour. Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Rubbing branches		Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development

	Tree Species			Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T101	Goat Willow	Salix caprea	Semi-mature	9.5	2	150 100	Yes	3	4	3	3	1.5	No visual defects	Twin stemmed at base. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches		Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T102	Goat Willow	Salix caprea	Semi-mature	10	2	180 100	Yes	3	2	5	2	2	Limited access around base	Twin stemmed at base. Vertical. Epicormic growths. Stubs. Old pruning wounds. Bark damage. Cavities. Decay	Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Some stumps at base showing significant decay	Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T103	Oak	Quercus robur	Young	7	1	120	No	5	1	3	2.5	1	No visual defects	Single stemmed. Slight lean to east. Stubs. Epicormic growths	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	Removal required to facilitate development
T104	Oak	Quercus robur	Semi-mature	12	1	170	No	3	1	0.5	3.5	4	Exposed roots	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches	Adjacent stem from another tree rubbing main stem	Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T105	Goat Willow	Salix caprea	Early-mature	11	3	260 170 100	No	3	4	5	5	1.5	Soil erosion. Exposed roots	Multiple stemmed at base. Significant lean. Epicormic growths. Pruning wounds from crown lifting. Bark damage. Cup-like union collecting dirt/water. Partially included bark. Minor cavities. Minor decay	Cavities. Minor deadwood. Snapped /hanging branches	Stems separating at base	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T106	Oak	Quercus robur	Semi-mature	14	1	240	No	6	3	2	4	5	Soil erosion	Single stemmed. Vertical. Epicormic growths. Stubs. Old pruning wounds	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development
T107	Goat Willow	Salix caprea	Early-mature	11	2	190 180	Yes	4	2	2	3.5	1.5	Limited access around base	Twin stemmed at base. Significant lean to south. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Cavities. Decay	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T108	Sycamore	Acer pseudoplatanus	Semi-mature	14	1	200	Yes	5	3	3	3	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
G109	Sycamore Birch	<i>Acer sp.</i> <i>Betula sp.</i>	Early-mature	13	10+	210 avg	Yes	4	See Plan				Steep bankside group, access prevented detailed inspection and accurate stem measurements. Larger Sycamore stump regrowth with younger Birch throughout. Many stems with vertical cavities and decay. Some trees with included bark at base				Fair	Fair	20 to 40 yrs	Low	C	No works required
T110	Goat Willow	<i>Salix caprea</i>	Early-mature	13	3	200 180 120	Yes	7	2.5	1.5	4	4	Exposed roots. Soil erosion	Multiple stemmed at 1m. Slight lean to west. Epicormic growths. Stubs. Bark damage. Major cavities. Tight union. Partially included bark. Major decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Unbalanced	Leans over path. Significant decay and included bark on western side of stem	Poor	Poor	<10 yrs	Moderate	U	Removal recommended regardless of development
G111	Sycamore Birch	<i>Acer sp.</i> <i>Betula sp.</i>	Early-mature	14	10+	240 avg	Yes	4	See Plan				Steep bankside group, access prevented detailed inspection and accurate stem measurements. Larger Sycamore stump regrowth with younger Birch throughout. Higher amenity trees at top of bank				Fair	Fair	>40 yrs	Moderate	C	No works required
T112	Sycamore	<i>Acer pseudoplatanus</i>	Semi-mature	12	2	240 100	Yes	3	3.5	3	2.5	2	Damage to buttress roots. Decay	Twin stemmed at 0.5m. Slight lean to east. Epicormic growths. Stubs. Bark damage. Cavities. Decay	Cavities. Minor deadwood. Snapped /hanging branches	Decay at base, 90% ring barked	Fair	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T113	Goat Willow	<i>Salix caprea</i>	Mature	13	1	380	No	6.5	5	4.5	4.5	2	No visual defects	Single stemmed. Vertical. Slight lean to west. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Good	Fair	20 to 40 yrs	Moderate	C	Coppice to suitable height

	Tree Species			Measurements			Crown (m)				Tree Condition							Value		Management		
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T114	Goat Willow	Salix caprea	Mature	13	3	320 240 190	No	3	5	5	5	2.5	No visual defects	Multiple stemmed at base. Vertical. Epicormic growths. Stubs. Tight union. Partially included bark. Cavities. Decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches		Fair	Poor	10 to 20 yrs	Low	C	Removal required to facilitate development
T115	Oak	Quercus robur	Semi-mature	15	2	220	No	5	1.5	3	4	4	Exposed roots	Twin stemmed. at 0.5m. Slight lean to south. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development
T116	Goat Willow	Salix caprea	Early-mature	13	1	230	No	6	3	2.5	1.5	3.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs. Bark damage. Old pruning wounds. Tight union. Partially included bark. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Previous stem removed at 2m	Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development
T117	Oak	Quercus robur	Semi-mature	13	1	240	No	4	3	2	3	3	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T118	Goat Willow	Salix caprea	Early-mature	11	1	260	No	4	3	5	4	0.5	Decay	Single stemmed. Significant lean to east. Epicormic growths. Stubs. Bark damage. Minor cavities. Minor decay	Cavities. Minor deadwood. Snapped /hanging branches	Leans over path. Bark damage and decay on eastern side of stem	Fair	Poor	10 to 20 yrs	Low	C	Coppice to suitable height
G119	Sycamore	Acer pseudoplatanus	Semi-mature	15	7	250 avg	Yes	4	See Plan				Small group of Sycamore regrowth. Ivy covered roots and lower stems preventing detailed inspection. Bark damage and signs of decay at base				Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development
T120	Sycamore	Acer pseudoplatanus	Early-mature	14	8	200 avg	Yes	3	6	6	6	6	Limited access around base	Multiple stemmed at base. Vertical. Epicormic growths. Stubs. Bark damage. Tight union. Partially included bark. Cup-like union collecting dirt/water. Minor cavities. Minor decay	Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Regrowth from an old stump. Small Hawthorn in understorey	Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development
T121	Goat Willow	Salix caprea	Semi-mature	8	6	160 avg	Yes	2.5	6	5.5	6.5	3.5	Limited access around base	Multiple stemmed at base. Epicormic growths. Slight lean. Stubs. Bark damage. Tight union. Minor cavities. Minor decay	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	10 to 20 yrs	Low	C	Removal required to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T122	Oak	Quercus robur	Young	8	1	170	Yes	2	3	3	3	3	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches	Climber within crown preveneted detailed inspection and accurate stem measurement	Fair	Fair	>40 yrs	Low	C	Raise western crown to 4m to facilitate development
G123	Birch Elder	Betula sp. Sambucus sp.	Semi-mature	15	8	160 avg	Yes	2	See Plan				Small group of Birch with an understorey of Elder				Fair	Fair	20 to 40 yrs	Moderate	C	Raise western canopy to 4m to facilitate development
T124	Sycamore	Acer pseudoplatanus	Semi-mature	13	1	260	No	3	4	4	2	2	Damage to buttress roots. Decay	Single stemmed. Epicormic growths. Stubs. Slight lean to east	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development
T125	Sycamore	Acer pseudoplatanus	Semi-mature	13	10+	130 avg	Yes	3	6	3	6.5	5.5	Limited access around base	Multiple stemmed at base. Vertical. Epicormic growths. Stubs. Cup-like union collecting dirt/water	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Raise crown to 4m to facilitate development
T126	Goat Willow	Salix caprea	Early-mature	12	2	300 190	Yes	4	5	5	5	3	Limited access around base	Twin stemmed at base. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T127	Goat Willow	Salix caprea	Early-mature	8	1	240	Yes	2	3	6	1.5	1.5	Soil erosion. Soil heave	Single stemmed. Significant lean to east. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Poor	10 to 20 yrs	Low	C	Coppice to suitable height
T128	Hawthorn	Crataegus monogyna	Semi-mature	5	1	140	No	1	1.5	1.5	1.5	1.5	No visual defects	Single stemmed. Slight lean. Epicormic growths. Stubs. Tight union. Minor cavities	Cavities. Old pruning wounds. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	Removal required to facilitate development
T129	Oak	Quercus robur	Early-mature	15	9	200 avg	Yes	2	3	6.5	4	3	No visual defects	Multiple stemmed at 1m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Cup-like union collecting dirt/water. Minor cavities. Minor decay	Cavities. Old pruning wounds. Moderate deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	Raise crown to 4m to facilitate development
T130	Oak	Quercus robur	Semi-mature	14	1	220	No	2	2	5	2	2	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	No works required

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T131	Birch	Betula pendula	Semi-mature	11	3	180 180 170	No	5	3	4	4.5	3	Exposed roots. Damage to buttress roots. Decay	Multiple stemmed at base. Vertical. Epicormic growths. Stubs. Cup-like union collecting dirt/water. Cavities. Decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	No works required
T132	Oak	Quercus robur	Mature	16	6	270 avg	Yes	2	5	5	6	4.5	No visual defects	Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Cup-like union collecting dirt/water. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches		Good	Fair	>40 yrs	Moderate	B	Raise western crown to 4m to facilitate development
T133	Oak	Quercus robur	Early-mature	14	1	420	No	3	5	6	6	3.5	No visual defects	Multiple stemmed at 2m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches		Fair	Fair	>40 yrs	Moderate	B	Raise eastern crown to 4m to facilitate development
T134	Oak	Quercus robur	Early-mature	14	2	330 310	No	6	4	6	3	2.5	No visual defects	Twin stemmed at base. Vertical. Epicormic growths. Stubs. Bark damage. Cup-like union collecting dirt/water. Cavities. Decay	Old pruning wounds. Cavities. Snapped /hanging branches. Moderate deadwood. Rubbing branches	Decay at base of both stems. Eastern stem has significant lean to east over path	Fair	Fair	>40 yrs	Moderate	C	Remove eastern limb at base to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T135	Goat Willow	Salix caprea	Early-mature	8	1	170	No	2	5.5	1	0.5	0.5	Damage to buttress roots. Decay	Single stemmed. Vertical. Epicormic growths. Stubs. Bark damage. Major cavity. Major decay	Cavities. Moderate deadwood. Snapped /hanging branches	Stem failure at 2m, hanging in adjacent tree	Poor	Poor	<10 yrs	Low	U	Removal recommended regardless of development
T136	Goat Willow	Salix caprea	Mature	14	1	240	No	3.5	5	5	2.5	5	No visual defects	Single stemmed. Slight lean to west. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development
T137	Sycamore	Acer pseudoplatanus	Semi-mature	11	1	370	No	4	3	4	3	2	Exposed roots. Damage to buttress roots. Decay	Twin stemmed at base. Slight lean. Epicormic growths. Stubs. Bark damage. Tight union. Partially included bark. Major cavities. Major decay	Cavities. Minor deadwood. Snapped /hanging branches	Two stems bracing around each other. Major decay at base and up stems	Fair	Poor	<10 yrs	Low	U	Removal recommended regardless of development
G138	Goat Willow Birch	Salix sp. Betula sp.	Early-mature	14	10+	250 avg	Yes	4	See Plan				Bankside group, access prevented detailed inspection and accurate stem measurements. Occasional stems with signs of decay. Provides good screening				Fair	Fair	>40 yrs	Moderate	C	No works required
T139	Oak	Quercus robur	Early-mature	13	1	500	No	1	7	7	6	5	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches. Good form	Field side tree. Small windblown tree resting in southern crown	Fair	Good	>40 yrs	Moderate	B	No works required

	Tree Species			Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
G140	Goat Willow Birch Oak	Salix sp. Betula sp. Quercus sp.	Early-mature	14	10+	250 avg	Yes	4	See Plan				Small bankside group, access prevented detailed inspection and accurate stem measurement. Some stems with minor cavities and decay. Several trees multiple stemmed throughout. Occasional dead stem				Fair	Fair	>40 yrs	Moderate	C	No works required
T141	Goat Willow	Salix caprea	Semi-mature	7	4	170 170 100 90	No	1	3	2	3	3	No visual defects	Multiple stemmed at 1m. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Coppice to suitable height
G142	Sycamore	Acer pseudoplatanus	Early-mature	15	10+	250 avg	Yes	1.5	See Plan				Significant epicormic regrowth from old stumps. Elder growing within understorey. Stubs with occasional minor cavities and decay. Multiple stemmed at base with cup-like unions				Fair	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate development
G143	Birch Elder Hawthorn Oak	Betula sp. Sambucus sp. Crataegus sp. Quercus sp.	Semi-mature	11	10+	150 avg	Yes	2.5	See Plan				Bramble covered trees to side of path, group canopy overhanging path. Larger Birch trees within group are set back from path growing on a steep slope. Saplings bordering path				Fair	Fair	20 to 40 yrs	Low	C	Reduce eastern canopy by 2m to facilitate development
G144	Sycamore Birch Oak	Acer sp. Betula sp. Quercus sp.	Early-mature	12	10+	200 avg	Yes	3.5	See Plan				Group growing along the eastern side of path. Occasional larger trees set back along slope. Group canopy overhangs path. Generally consisting of multiple stemmed trees with occasional cavities and decay throughout. Occasional larger trees within north of group topped to reduce away from high voltage wires overhead				Fair	Fair	>40 yrs	Low	C	Reduce western canopy by 2m to facilitate development

	Tree Species			Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T145	Oak	Quercus robur	Early-mature	14	6	310 avg	Yes	2	6.5	5	6.5	6.5	No visual defects	Multiple stemmed at base. Vertical. Epicormic growths. Stubs. Old pruning wounds. Cup-like union collecting dirt/water. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Lower down bank from path	Snapped /hanging branches	Fair	Fair	>40 yrs	Moderate	B	Raise western crown to 4m to facilitate development
G146	Hawthorn Elder	Crataegus sp. Sambucus sp.	Semi-mature	15	10+	210 avg	Yes	3	See Plan				Western boundary group mainly consisting of multiple stemmed trees. Group canopy only slightly overhanging path. Provides good screening				Fair	Fair	20 to 40 yrs	Moderate	C	No works required
T147	Oak	Quercus robur	Mature	14	8	320 avg	Yes	5	7	7	6	7	No visual defects	Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Cup-like union collecting dirt/water. Minor cavities. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches		Fair	Fair	>40 yrs	Moderate	B	Removal required to facilitate development
G148	Birch Oak Sycamore	Betula sp. Quercus sp. Acer sp.	Semi-mature	14	10+	180 avg	Yes	4	See Plan				Eastern group on bankside. Occasional early-mature trees amongst. Bramble understorey prevented detailed inspection. Larger trees growing at outer edge of group. Occasional multiple stemmed trees with tight unions and occasional cavities and minor decay				Fair	Fair	>40 yrs	Moderate	C	No works required

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
G149	Birch Oak Sycamore	<i>Betula sp.</i> <i>Quercus sp.</i> <i>Acer sp.</i>	Early-mature	14	10+	250 avg	Yes	4	See Plan				Group only slightly overhanging path. Multiple stemmed trees with occasional cup-like and tight unions. Minor cavities and decay. Group slopes downward from path to west				Fair	Fair	>40 yrs	Moderate	C	No works required
T150	Oak	<i>Quercus robur</i>	Semi-mature	12	1	260	No	2.5	4	4	4	4	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs. Minor cavities. Minor decay. Old pruning wounds	Cavities. Minor deadwood. Snapped /hanging branches. Old pruning wounds	Small Hawthorn in understorey	Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development
T151	Oak	<i>Quercus robur</i>	Semi-mature	11	2	190 150	No	3	2.5	2.5	4	4	No visual defects	Twin stemmed at 0.5m. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Low	C	No works required
T152	Birch	<i>Betula pendula</i>	Early-mature	12	1	250	No	5	2	2	4	3	No visual defects	Single stemmed. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate development
T153	Birch	<i>Betula pendula</i>	Early-mature	12	1	290	No	4	4.5	4	4.5	4	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T154	Oak	Quercus robur	Early-mature	11	2	360 190	No	2	6	6	6	6	No visual defects	Multiple stemmed at 0.5m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Cup-like union collecting dirt/water	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Growing down bankide	Good	Fair	>40 yrs	Moderate	B	No works required
G155	Birch Oak Sycamore Hawthorn	Betula sp. Quercus sp. Acer sp. Crataegus sp.	Semi-mature	12	10+	190 avg	Yes	4	See Plan				Eastern group, Bramble throughout preventing detailed inspection. Larger trees growing on downward slope towards adjacent field. Pruned away from path but slightly overhangs. Provides moderate screening				Fair	Fair	>40 yrs	Moderate	C	No works required
T156	Oak	Quercus robur	Young	8.5	1	250	No	3	3.5	3	4.5	4.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development
T157	Birch	Betula pendula	Young	7	1	130	No	5	2	1.5	1.5	1.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	No works required
G158	Birch Oak Sycamore Hawthorn	Betula sp. Quercus sp. Acer sp. Crataegus sp.	Early-mature	12	10+	200 avg	No	4	See Plan				Group growing to east of path. Larger trees growing on downward sloping bankide. Smaller saplings and Hawthorn line path edge. Trees flailed back with slight overhang. Occasional multiple stemmed trees throughout with minor cavities and decay.				Fair	Fair	>40 yrs	Moderate	C	No works required

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T159	Birch	Betula pubescens	Young	6.5	8	100 avg	Yes	1	2.5	2.5	2.5	2.5	No visual defects	Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight union. Cup-like union collecting dirt/water	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development
T160	Birch	Betula pendula	Semi-mature	8.5	2	200 170	No	4	4	4	4	3	No visual defects	Twin stemmed at 0.5m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight union. Partially included bark	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Pruned away from path	Fair	Fair	20 to 40 yrs	Moderate	C	No works required
G161	Goat Willow Hawthorn	Salix sp. Crataegus sp.	Early-mature	8	10+	250 avg	Yes	4	See Plan				Unmanaged group. Multiple stemmed trees with tight and cup-like unions throughout. Saplings, bramble and Hawthorn understorey prevented detailed inspection				Fair	Fair	10 to 20 yrs	Low	C	No works required
T162	Oak	Quercus robur	Early-mature	12	2	440 300	No	3	4	6.5	6	7	No visual defects	Twin stemmed at 1m. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Growing on banking. Sheared and a snapped branches hanging in western crown	Good	Fair	>40 yrs	Moderate	B	No works required

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T163	Oak	Quercus robur	Semi-mature	10	2	360 280	No	3	6	4.5	2.5	6.5	No visual defects	Twin stemmed at 0.5m. Vertical. Epicormic growths. Stubs. Old pruning wounds	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	No works required
T164	Oak	Quercus robur	Early-mature	10	4	400 260 250 240	No	4	6	6	6.5	6.5	No visual defects	Multiple stemmed at 1m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Cup-like union collecting dirt/water	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Rubbing branches		Good	Fair	>40 yrs	Moderate	B	No works required
G165	Goat Willow	Salix caprea	Semi-mature	5	10+	70 avg	Yes	1	See Plan				Adjacent group of multiple stemmed trees with tight unions. Bramble within understorey prevented detailed inspection				Fair	Fair	10 to 20 yrs	Low	C	Reduce western canopy by 2m to facilitate development
T166	Goat Willow	Salix caprea	Early-mature	8.5	2	280 170	No	3	5	5.5	6	5.5	No visual defects	Twin stemmed at 1m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight union	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Moderate	C	No works required
T167	Goat Willow	Salix caprea	Semi-mature	7.5	3	200 170 140	Yes	3	5	5	1.5	4.5	No visual defects	Multiple stemmed at 1m. Vertical. Epicormic growths. Stubs. Old pruning wounds. Tight union. Bark damage	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches		Fair	Fair	20 to 40 yrs	Low	C	No works required

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T168	Goat Willow	Salix caprea	Young	5	7	90 avg	Yes	1	2	2	2	2	Limited access around base	Multiple stemmed at 1m. Vertical. Epicormic growths. Stubs. Tight union	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Bramble covered	Fair	Fair	20 to 40 yrs	Low	C	No works required
T169	Sycamore	Acer pseudoplatanus	Semi-mature	9	3	270 240 220	No	2	4	5	4	5	No visual defects	Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight union. Cup-like union collecting dirt/water	Old pruning wounds. Cavities. Minor deadwood. Rubbing branches. Snapped /hanging branches	Overhangs path to north	Fair	Fair	20 to 40 yrs	Moderate	C	No works required
T170	Ash	Fraxinus excelsior	Young	4.5	1	110	No	1.5	1.5	1.5	1.5	1.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor dieback. Minor deadwood. Snapped /hanging branches	Showing symptoms of Ash dieback	Poor	Fair	10 to 20 yrs	Low	C	No works required
G171	Hawthorn Elder	Crataegus sp. Sambucus sp.	Semi-mature	6.5	10+	110 avg	Yes	0.5	See Plan				Roadside group. Trimmed away from paths. Low foliage prevented detailed inspection or accurate stem measurements				Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development

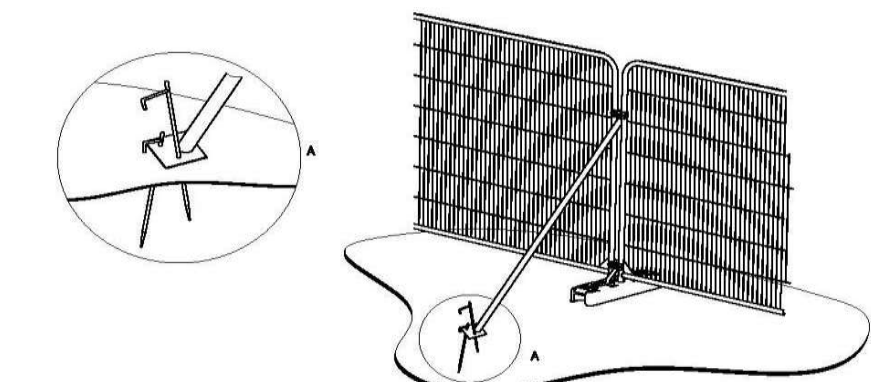
	Tree Species			Measurements				Crown (m)				Tree Condition								Value		Management
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T172	Hawthorn	Crataegus monogyna	Semi-mature	7.5	2	200 140	Yes	1	2.5	3	3	3	No visual defects. Limited access around base	Twin stemmed at 0.5m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Tight union. Partially included bark. Minor cavity. Minor decay	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches. Rubbing branches	Bramble prevented detailed inspection and accurate stem measurement	Fair	Fair	20 to 40 yrs	Low	C	No works required
T173	Sycamore	Acer pseudoplatanus	Semi-mature	10	4	280 260 250 140	No	0.5	5	4.5	5	5	No visual defects	Multiple stemmed at base. Vertical. Epicormic growths. Stubs. Tight union. Partially included bark. Cup-like union collecting dirt/water	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Moderate	C	No works required
G174	Goat Willow Hawthorn	Salix sp. Crataegus sp.	Early-mature	9	10+	140 avg	Yes	0	See Plan				Dense group. Hawthorn shrubs prevented detailed inspection				Fair	Fair	10 to 20 yrs	Low	C	Removal of trees within eastern section required to facilitate development
T175	Oak	Quercus robur	Young	8	2	220 200	No	3	4	3.5	4	4	No visual defects	Twin stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight union. Partially included bark	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate development

Tree Species				Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
G176	Birch Oak Hawthorn Ash	<i>Betula sp.</i> <i>Quercus sp.</i> <i>Crataegus sp.</i> <i>Fraxinus sp.</i>	Semi-mature	11	10+	170 avg	Yes	4	See Plan				Group to the west of path. Occasional Ash towards field side. Occasional multiple stemmed trees with tight unions. Pruned away from path but still slightly overhangs. Saplings line path, more mature trees down steep bank				Fair	Fair	20 to 40 yrs	Moderate	C	No works required
T177	Birch	<i>Betula pendula</i>	Early-mature	11	2	350 220	No	4	5.5	6	4.5	5.5	No visual defects	Twin stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches	Pruned over path, stubs. Low-leaning eastern stem growing towards path	Fair	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate development
T178	Birch	<i>Betula pendula</i>	Semi-mature	9	1	250	No	4	3.5	2.5	3.5	2.5	No visual defects	Single stemmed. Slight lean to east. Epicormic growths. Old pruning wounds. Stubs. Bark damage	50% dead / absent. Small / sparse. Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches	Leans over path	Poor	Fair	10 to 20 yrs	Low	C	No works required
T179	Oak	<i>Quercus robur</i>	Semi-mature	13	1	450	No	3	4	4	5.5	5	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Minor cavities. Minor	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches. Slightly	Pruned hard and lifted over path	Fair	Fair	>40 yrs	Moderate	C	No works required
T180	Oak	<i>Quercus robur</i>	Semi-mature	11	1	380	No	4	4	4	3	4.5	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Minor cavities. Minor decay	Old pruning wounds. Cavities. Moderate deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	No works required

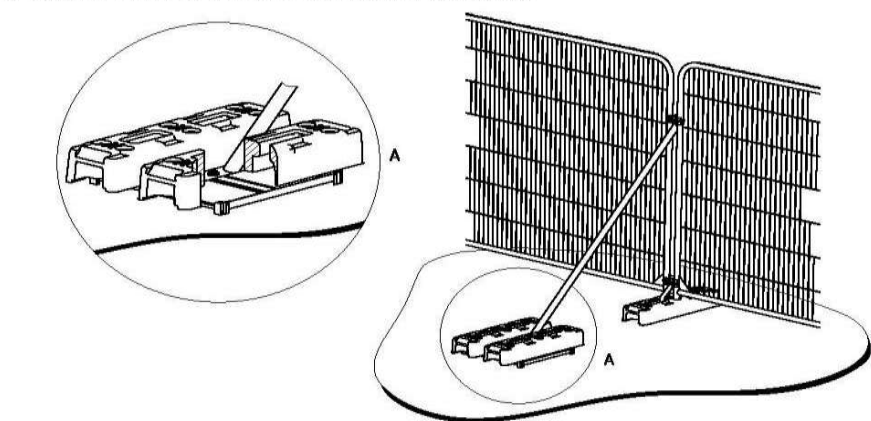
	Tree Species			Measurements				Crown (m)				Tree Condition							Value		Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Ave Height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
G181	Oak Birch Sycamore	Quercus sp. Betula sp. Acer sp.	Semi-mature	11	10+	240 avg	Yes	4	See Plan				Pruned back from path, poor pruning leaving stubs. Occasional Sycamore saplings within. Bramble covered, preventing detailed inspection				Fair	Fair	>40 yrs	Moderate	C	No works required
T182	Alder	Alnus cordata	Early-mature	12	2	360 150	No	3.5	5	5	5	5	No visual defects	Twin stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	20 to 40 yrs	Moderate	B	No works required
T183	Oak	Quercus robur	Early-mature	13	1	400	No	3	4.5	6	5.5	5	No visual defects	Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs	Old pruning wounds. Cavities. Minor deadwood. Snapped /hanging branches		Fair	Good	>40 yrs	Moderate	B	Removal required to facilitate development
T184	Oak	Quercus robur	Early-mature	11	1	400	No	3	5	6	5	5	No visual defects	Multiple stemmed at 2m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Minor cavities. Minor decay	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development
T185	Oak	Quercus robur	Semi-mature	12	1	250	No	4	4.5	2	4.5	4.5	Exposed roots	Single stemmed. Vertical. Epicormic growths. Stubs	Cavities. Minor deadwood. Snapped /hanging branches		Fair	Fair	>40 yrs	Moderate	C	Removal required to facilitate development

VIEW 1

Inset 1: Heras Tree Protection Fencing



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

Inset 2: Plastic Mesh Tree Protection Fencing



Inset 3: Tree Protection Fencing Sign



VIEW 4

VIEW 5

VIEW 3

VIEW 2



Appendix 4: TREE PROTECTION PLAN VIEW 1

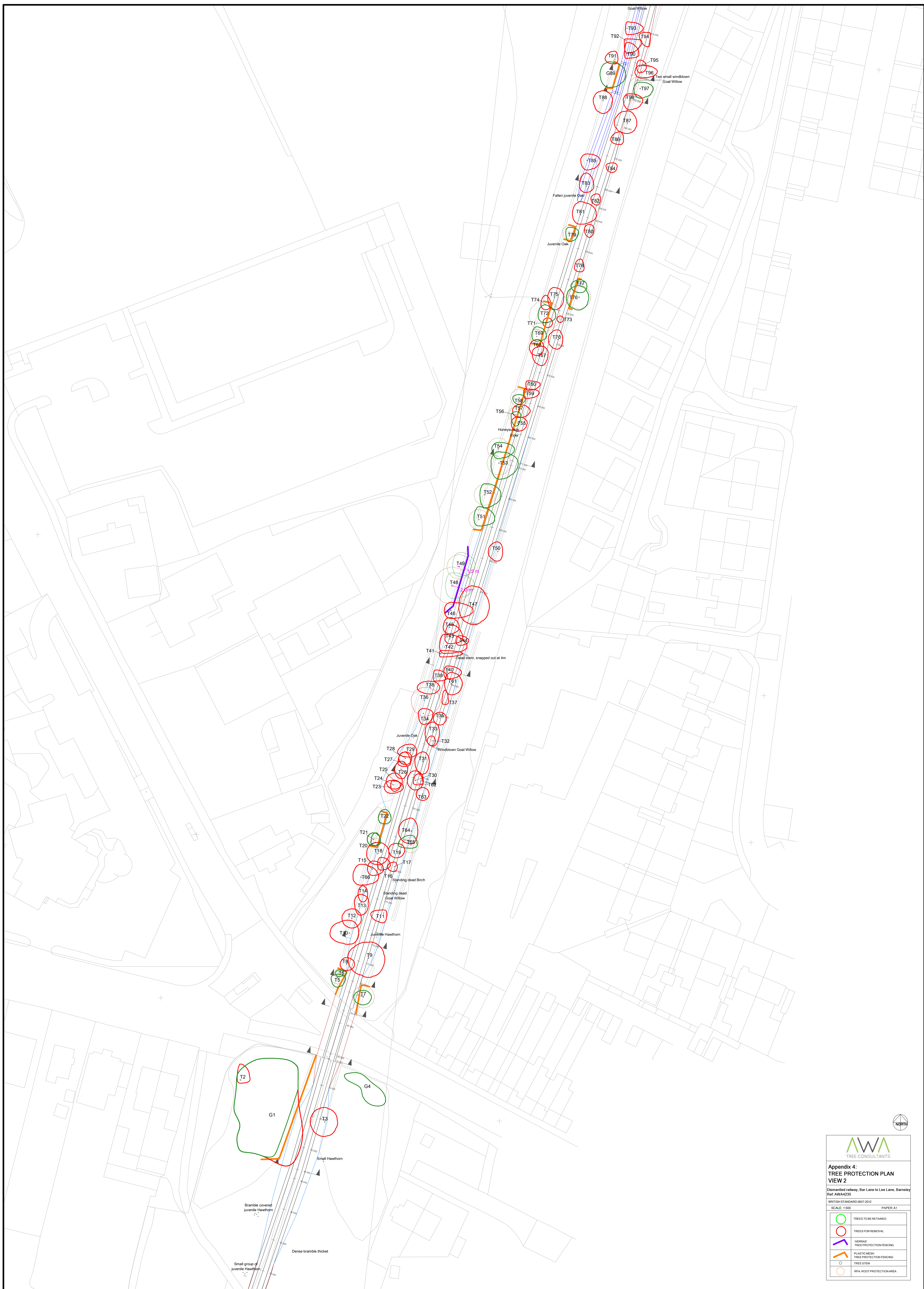
Dismantled railway, Bar Lane to Lee Lane, Barnsley
Ref: AWA4235

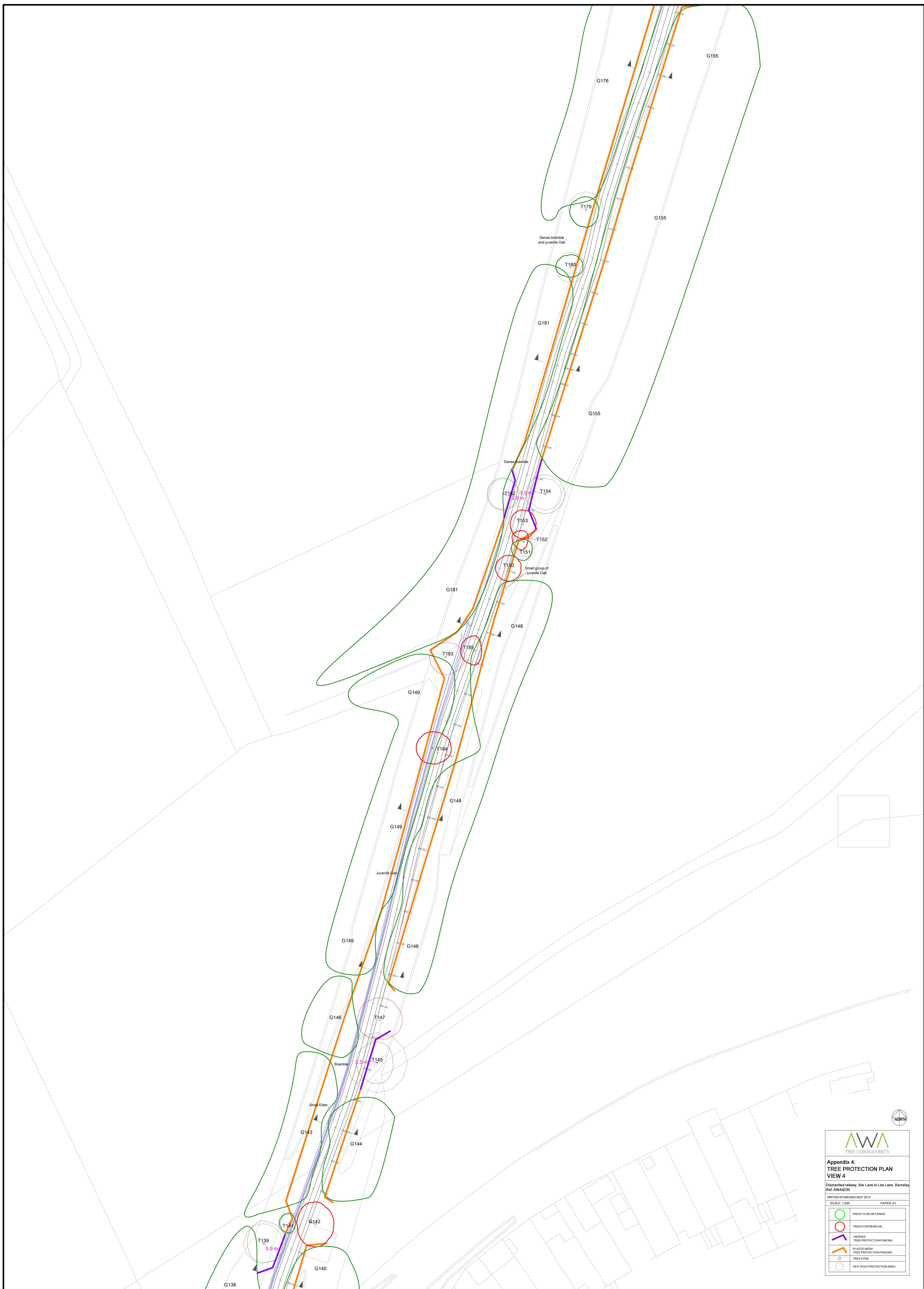
BRITISH STANDARD 5837:2012

SCALE: 1:2000

PAPER: A1

	TREES TO BE RETAINED
	TREES FOR REMOVAL
	'HERRAS' TREE PROTECTION FENCING
	PLASTIC MESH TREE PROTECTION FENCING
	TREE STEM
	RPA: ROOT PROTECTION AREA









AWA
TREE CONSULTANTS

**Appendix 4:
TREE PROTECTION PLAN
VIEW 2**

Dismantled railway, Bar Lane to Lee Lane, Barnsley
Ref: AWA4235

BRITISH STANDARD BS37:2012
SCALE: 1:500
PAPER: A1

	TREES TO BE RETAINED
	TREES FOR REMOVAL
	TERRACE TREE PROTECTION FENCING
	PLASTIC MESH TREE PROTECTION FENCING
	TREE STEM
	RPA, ROOT PROTECTION AREA