



ARBORICULTURAL REPORT

& Impact Assessment

to BS 5837:2012 at:

***The Silvermine,
New Road,
Gunthwaite
S36 7GE***

Prepared for: *A + DP*

Report Date: *July 2026*

Reference: *AWA7601*

0114 272 1124 / 0776 631 0880
info@awatrees.com
awatrees.com

Union Forge, 27 Mowbray Street, Sheffield S3 8EN
AWA Tree Consultants Limited. Company No. 85201
Registered in England & Wales.



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Executive Summary

This report provides independent arboricultural advice in accordance with BS 5837:2012, regarding trees at the site in the context of a proposed development.

A total of 6 items of woody vegetation were surveyed, comprising 5 individual trees and 1 tree group. Of these: 1 tree is high value (Category A), 1 tree is moderate value (Category B), and 4 trees or tree groups are low value (Category C).

No trees require removal to facilitate the development and no tree pruning works are required to facilitate the development.

No negative indirect impacts have been identified to the retained trees at the site.

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1. Introduction

1.1 Instructions and Brief

- 1.1.1 We have been instructed by A + DP to visit the site and prepare our findings in a report.
- 1.1.2 The report is required in accordance with BS 5837:2012 *Trees in relation to design, demolition and construction – Recommendations*, to provide detailed, independent, arboricultural advice on the trees present, in the context of potential development.

1.2 Survey Details

- 1.2.1 The survey took place during July 2026.
- 1.2.2 The trees were surveyed visually from the ground using “Visual Tree Assessment” techniques and in accordance with the guiding principles of British Standard 5837:2012.
- 1.2.3 Any additional off-site trees that could impact a new development design have been included in the tree survey parameters.
- 1.2.4 We have been provided with a topographical survey with tree positions plotted. Where surveyed trees were not included on the topographical survey the tree positions were plotted using enhanced GPS technology (1-2m accuracy) and laser distance measurer.
- 1.2.5 This report has been prepared by Adam Winson, Chartered Arboriculturist, MSc, BSc (Hons), MICFor, MArborA, Principal and Director of AWA Tree Consultants Ltd. The tree survey data collection was carried out by James Brown, Chartered Arboriculturist, BSc (Hons) Arboriculture, MICFor, MArborA, Arboriculturist at AWA Tree Consultants Ltd.
- 1.2.6 Full qualifications and experience are included within **Appendix 1**. Explanatory details regarding the survey methodology are included within **Appendix 2**. A full explanation of the tree data can be found at **Appendix 3**. Full details of all the trees surveyed are found in **Appendix 4**. For tree locations please refer to the Tree Constraints Plan at **Appendix 5** and for detail of the impacts of the new development refer to the Tree Impacts Plan at **Appendix 6**.

2. The Site

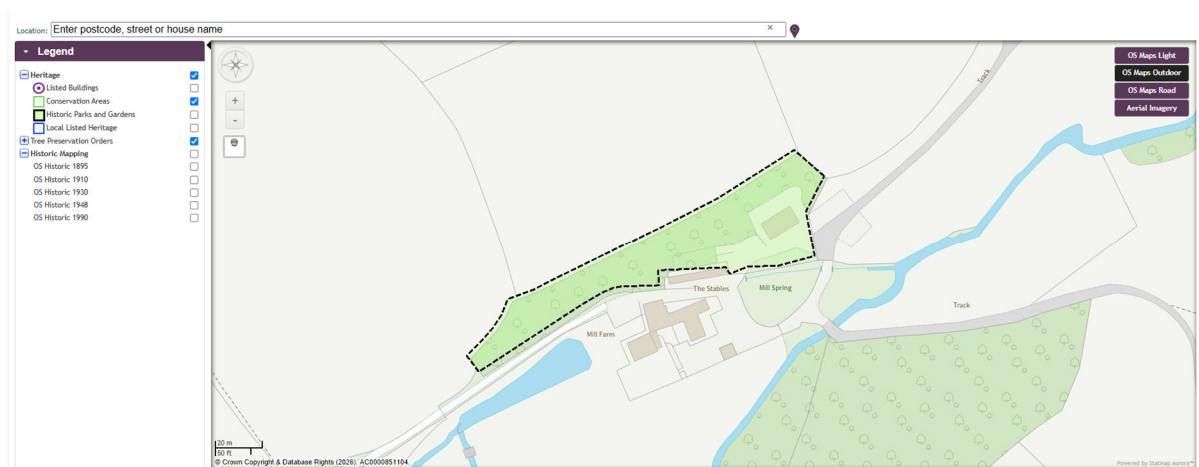
2.1 Location and Description

- 2.1.1 The site is a residential property located on New Road in Gunthwaite, a hamlet in the civil parish of Gunthwaite and Ingbirchworth, in the metropolitan borough of Barnsley, South Yorkshire.

3. The Trees

3.1 Legal

- 3.1.1 The following advice is for guidance purposes only. Some trees are protected by legislation, and it is essential that the legal status of trees is established prior to carrying out works to them. Unauthorised work to protected trees could lead to prosecution, resulting in enforcement action such as fines or a criminal record. Tree Preservation Orders, Conservation Areas, Planning Conditions, Felling Licences or Restrictive Covenants legally protect many trees in the UK.
- 3.1.2 An online search was undertaken with Barnsley Metropolitan Borough Council on the 23rd of July 2026 to check whether any trees at the site are protected by a Tree Preservation Order or are located within a Conservation Area. Trees at the site are protected by a Tree Preservation Order.
- 3.1.3 The accessed map image from barnsley.gov.uk is detailed below:



- 3.1.4 Before carrying out any works to protected trees the permission of the local planning authority is required. There are large potential penalties for illegally carrying out work to protected trees. Statutory permission is not required for the removal of deadwood.

- 3.1.5 The Multi-Agency Geographical Information for the Countryside (MAGIC) website was used to search for areas of ancient woodlands listed on the Ancient Woodland (DEFRA 2021), and a check for catalogued Ancient and Veteran trees was made using the woodland trust ancient tree inventory (ATI) (Woodland Trust 2021). It was confirmed that there are no designated ancient woodlands or veteran or ancient trees within the survey area.
- 3.1.6 Trees provide a wide range of habitats for many species, some of which are legally protected such as bats, nesting birds, badgers and dormice. It is essential that appropriate care is taken to ensure that this legislation is not contravened.
- 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.
- 3.1.8 All tree work should be carried out according to British Standard 3998:2010 Tree Work - Recommendations.

3.2 Tree Survey Results

- 3.2.1 The tree survey revealed 6 items of woody vegetation, comprised of 5 individual trees and 1 tree group.
- 3.2.2 Of the surveyed trees: 1 tree is retention category 'A', 1 tree is retention category 'B', and 4 trees or tree groups are retention category 'C' (explanatory details regarding the retention categories are included at Appendix 3).
- 3.2.3 Full details of the surveyed trees and tree group are provided in the attached tree data schedule at Appendix 4. General comments are provided below:
- 3.2.4 T1 and T2 are situated to the north east of the residential property, on steep banking on higher ground than the residential property. T1 is a large mature Oak of high value and T2 is a semi mature Sycamore of lower value.
- 3.2.5 T3 and T4 are situated to the south east of the residential property, on banking on slightly lower ground than the residential property. T4 is a large mature Oak of moderate value and T3 is an early mature Sycamore of lower value.
- 3.2.6 G5 forms a dense group of managed Cherry Laurel to the south east of the residential property.
- 3.2.7 T6 is a young Holly situated to the south east of the residential property on lower ground than the residential property, with a retaining wall between the tree and the residential property.

- 3.2.8 The tree Root Protection Area (RPA) for each tree has been plotted as a polygon centred on the base of the stem. Due to the presence of roads, structures, topography (and past tree management) the RPA is likely to be a simplified representation of the tree roots actual morphology and disposition. However, detailed modifications to the shape of the RPA would largely be based on conjecture and so have been avoided.
- 3.2.9 Some lower value tree, hedge and shrub groups do not have RPAs detailed on tree plans. The detailed extent and spread of these low value groups, in conjunction with the tree schedule, is sufficient to assess the associated potential constraints.

3.3 Photographs



Photo 1: T1 and T2 from south east



Photo 2: T3 and T4 from north west



Photo 3: G5 from north west



Photo 4: T6 from south west

4. Arboricultural Impact Assessment

4.1 Proposed New Development

- 4.1.1 It is proposed to build an extension to the existing residential property.
- 4.1.2 The development proposals have been provided by my client and inform this arboricultural impact assessment and the Tree Impacts Plan at Appendix 6.

4.2 Direct Impacts

- 4.2.1 From assessing the new development proposals no trees will require removal to facilitate the proposed new development.
- 4.2.2 From assessing the new development proposals no tree pruning works will be required to facilitate the proposed new development.

4.3 Indirect Impacts

- 4.3.1 The tree Root Protection Area (RPA) detailed on the Tree Plans at Appendices 5 and 6, has been used as a layout design tool, to inform on the area around a tree where the protection of the roots and soil structure is treated as a priority.
- 4.3.2 No negative indirect impacts have been identified to the retained trees at the site.
- 4.3.3 The proposed new extension is situated outside of the detailed RPAs of the retained trees at the site.
- 4.3.4 High value Oak T1 is situated on steep banking on higher ground than the proposed new extension and it is very unlikely there will be any tree roots at the location of the proposed new extension.
- 4.3.5 Construction access will be along the existing access road and driveway and will have no negative impacts on the retained trees at the site.
- 4.3.6 New drainage and underground utilities are to be positioned outside of the RPAs and will have no negative impacts on the retained trees at the site.

5. Signature

I trust this report provides all the required information.

Signed



.....

Adam Winson, Chartered Arboriculturist, MSc, BSc (Hons), MICFor, ACIEEM

23rd July 2026

**AWA Tree Consultants Limited
Union Forge
27 Mowbray Street
Sheffield
S3 8EN**

www.awatrees.com



Our Charity Partner: Kids Plant Trees

At AWA Tree Consultants, we are proud to partner with the local charity, Kids Plant Trees. This collaboration allows us to support a cause that reflects our commitment to trees and the environment while making a positive impact on local communities.

Kids Plant Trees is a grassroots charity dedicated to improving tree equity by planting trees in underserved areas with limited green spaces, often in communities facing higher levels of deprivation.

We are proud to support their mission to create greener, healthier environments for future generations.



Appendices

Appendix 1: Authors Qualifications and Experience

Appendix 2: Survey Methodology and Limitations

Appendix 3: Explanation of Tree Descriptions

Appendix 4: Tree Data

Appendix 5: Tree Constraints Plan

Appendix 6: Tree Impacts Plan

Appendix 1: Authors Qualifications & Experience

Adam Winson: Chartered Arboriculturist, MSc, BSc (Hons), MICFor, MARborA, QTRA + VALID Registered

Adam is the company Director and Principal Consultant. He has a mix of the highest-level academic qualifications and relevant work experience. He has worked within the tree care profession for over 25 years and was awarded an MSc in Arboriculture and Urban Forestry, with distinction. Adam is a Chartered Arboriculturist and a Registered Consultant with the Institute of Chartered Foresters, a Professional Member of the Arboricultural Association and he has original research published by the UK Forestry Commission. His work ranges from individual expert tree inspections to managing trees on major infrastructure projects. His work often involves trees with preservation orders or litigation, and he has appeared as a tree expert, at planning appeal hearings up to the crown court. Adam also regularly undertakes locum Tree Officer work for several Local Planning Authorities.

James Brown: Chartered Arboriculturist, BSc (Hons) Arboriculture, MICFor, MARborA, PTI (Lantra), QTRA Registered

James is a highly experienced and qualified Arboricultural Consultant. He is a Chartered Arboriculturist and a Professional Member of the Arboricultural Association, and he has a BSc (Hons) in Arboriculture, attaining first class honours, as well as being awarded the Institute of Chartered Foresters student award. James joined AWA in 2016, he has many years' experience as an Arboricultural Consultant, he previously worked in Europe's largest container tree nursery and he has experience of local authority Tree Officer work.

James Godfrey: BA (Hons), FdSc Arboriculture and Tree Management, TechArborA, PTI (Lantra), QTRA Registered

James has had extensive arboricultural experience working as an arborist within the public and private sector. While working at AWA, James completed his FdSc in Arboriculture and Tree Management, graduating with a distinction and was also awarded for achieving the highest overall mark in his year. James has used his arboricultural knowledge to inform and carry out accurate tree surveys and produce detailed reports that aim to balance appropriate tree retention with the requirements of landowners.

Joe Thomas: MSci Biology, L4 Dip Arboriculture, TechArborA, PTI (Lantra), QTRA Registered

Joe achieved a first class degree in Biology with an integrated Masters (MSci) from the University of Sheffield. Additionally, he has a Level 4 Diploma in Arboriculture. Joe joined AWA in 2022 after an Urban Forestry role with the Sheffield and Rotherham Wildlife Trust and Sheffield City Council, where he gained a variety of experience in different aspects of the arboriculture sector.

Lucy Garbutt: MSc, PGCert, BSc (Hons) Biology, PTI (Lantra), TechArborA, QTRA Registered

Lucy graduated with a masters degree in Animal Behaviour from the UK's highest rated university, St Andrews of Scotland, immediately following the completion of her BSc degree in Biology from Lancaster University. Lucy has experience in botany and plant science and moved into arboriculture after previous experience of protected species and botanical surveys with a large environmental consulting company.

Ross Lane: FdSc Environmental Conservation, Diploma Arboriculture, TechArborA, PTI (Lantra), QTRA + VALID Registered

Ross has a diverse background spanning horticulture, arboriculture, and ecology. Ross has extensive experience conducting surveys throughout the UK and has worked on projects of all sizes, including major infrastructure projects such as HS2. In his previous role as a Tree Inspector at Derbyshire County Council, projects involved managing the county wide tree stock in relation to the ash dieback response and contributing to ambitious County Council targets of planting a million trees. Possessing technician-level membership with the Arboricultural Association, coupled with a comprehensive range of qualifications from tree risk assessment to habitat management, underscores Ross' dedication in professional arboriculture.

Brandon Townsend: BSc (Hons) Biology, L4 (Arb) Apprentice, QTRA Registered

Brandon is an Arboricultural Technician at AWA, currently completing the Level 4 Arboriculture Apprenticeship at Myerscough College. He holds a BSc (Hons) in Biology from Bangor University, where he developed a strong interest in woodland ecology. Before joining AWA in April 2024, he gained practical arboricultural experience and completed his NPTC chainsaw qualification. Brandon supports a range of consultancy work including tree surveys, risk assessments, and technical reporting, and is developing skills in specialist inspection methods such as PiCUS tomography.

Max Caulton: BA (Hons), FdSc Arboriculture and Tree Management

Max is an Arboriculturist at AWA with a broad background in arboriculture, ecology and forestry. He has experience in ecological surveying, woodland management and habitat conservation, including protected species surveys and ecological clerk of works duties. His practical experience is supported by a range of NPTC and LANTRA qualifications, including tree climbing and chainsaw use. Max supports AWA's consultancy work through tree surveying and reporting, contributing to the delivery of projects across the wider team.

Appendix 2: Survey Methodology and Limitations

The survey was undertaken in accordance with British Standard 5837:2012 *Trees in relation to design, demolition and construction – Recommendations*. The trees were assessed objectively and without reference to any proposed site layout. The trees were surveyed from the ground using 'Visual Tree Assessment' (VTA) methodology. VTA is appropriate and is endorsed by industry guidance. It is used by arboriculturists to evaluate the structural integrity of a tree, relying on observation of trees biomechanical and physiological features. Measurements are obtained using a diameter tape, clinometer, laser distometer and loggers tape. Where this is not practical measurements are estimated. Tree groups have been identified in instances as defined in BS 5837:2012. Shrubs and insignificant trees may have been omitted from the survey.

This report represents a BS 5837:2012 tree survey and should not be accepted as a detailed tree safety inspection report; however, tree related hazards are recorded and commented upon where observed, yet no guarantee can be given as to the absolute safety or otherwise of any individual tree. All recommended tree work must be to BS 3998:2010 - *'Tree Work: Recommendations'*.

The findings and recommendations contained within this report are valid for a period of twelve months from the date of survey. The author shall not be responsible for events which happen after this time due to factors which were not apparent at the time, and the acceptance of this report constitutes an agreement with these guidelines and terms.

Appendix 3: Explanation of Tree Descriptions

HEIGHT of the tree is measured from the stem base in metres. Where the ground has a significant slope the higher ground is selected.

CROWN HEIGHT is an indication of the average height at which the crown begins.

STEM DIAMETER is measured at 1.5 metres above (higher) ground level. Where the tree is multi-stemmed at this point; the diameter is measured close to ground level or else a combined stem diameter is calculated.

CROWN SPREAD is measured from the centre of the stem base to the tips of the branches in all four cardinal points.

AGE CLASS of the tree is described as young, semi-mature, early-mature, mature, or over-mature.

PHYSIOLOGICAL CONDITION is classed as good, fair, poor, or dead. This is an indication of the health of the tree and takes into account vigour, presence of disease and dieback.

STRUCTURAL CONDITION is classed as good, fair or poor. This is an indication of the structural integrity of the tree and takes into account significant wounds, decay and quality of branch junctions.

LIFE EXPECTANCY is classed as; less than 10 years, 10-20 years, 20-40 years, or more than 40 years. This is an indication of the number of years before removal of the tree is likely to be required.

Retention Categories

A (marked in green on Appendix 5) = retention most desirable. These trees are of very high quality and value with a good life expectancy.

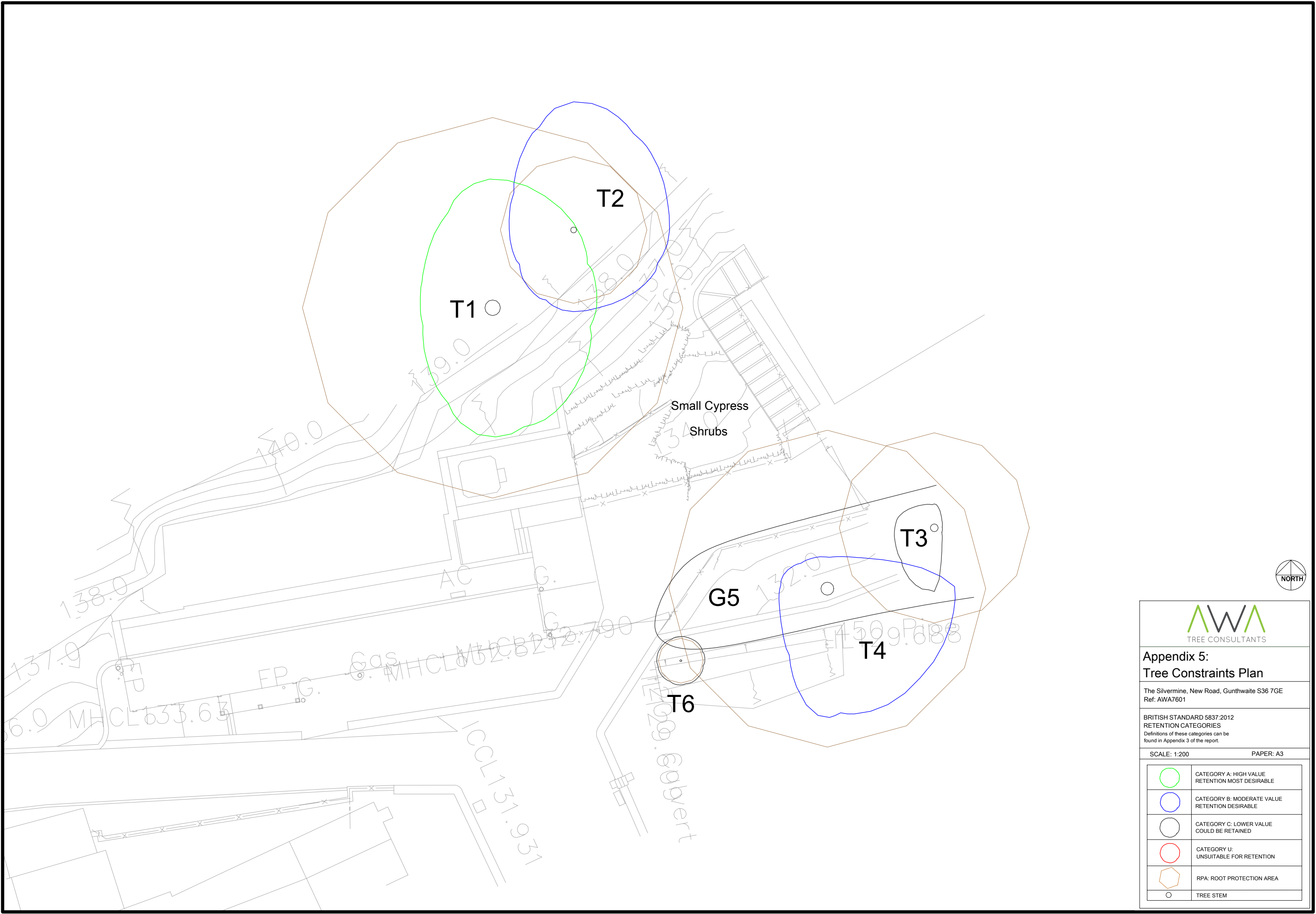
B (marked in blue on Appendix 5) = retention desirable. These trees are of good quality and value with a significant life expectancy.

C (marked in grey on Appendix 5) = trees which could be retained. These trees are of low or average quality and value, and are in adequate condition to remain until new planting could be established.

U (marked in red on Appendix 5) = trees unsuitable for retention. These trees are in such a condition that any existing value would be lost within 10 years.

Tree Species				Measurements				Crown (m)				Tree Condition								Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Crown height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Category	Works
T1	Oak	Quercus robur	Mature	26	1	960	No	5	8	6.5	8	4.5	Soil erosion. Excavations. Exposed roots	Single stemmed. Vertical. Epicormic growths. Stubs. Ivy covered	Minor deadwood. Moderate deadwood. Minor snapouts. Minor dieback	Situated on steep banking on higher ground than residential property. Dense undergrowth prevented detailed inspection of roots and base of stem. Possible recent excavations to south, 2m from stem. Epicormic growths at base of stem to south west.	Good	Fair	>40 yrs	A	No works required
T2	Sycamore	Acer pseudoplatanus	Early-mature	16	1	370	No	4.5	8	6	5	4	Limited access around base	Single stemmed. Vertical. Epicormic growths. Ivy covered	Minor deadwood. Ivy covered. Minor dieback	Situated on steep banking on higher ground than residential property. Dense undergrowth prevented detailed inspection of roots and base of stem. Dense epicormic growths at base of stem.	Fair	Fair	20 to 40 yrs	C	No works required
T3	Sycamore	Acer pseudoplatanus	Early-mature	21	1	480	Yes	10	1.5	0.5	4	2.5	Limited access around base	Single stemmed. Vertical. Ivy covered. Epicormic growths	Minor deadwood. Ivy covered	Adjacent. Limited access. Very Ivy covered. Situated on banking on slightly lower ground than residential property.	Good	Fair	20 to 40 yrs	C	No works required
T4	Oak	Quercus robur	Mature	23	1	800	Yes	4	2	8	8	3	Limited access around base	Single stemmed. Slight lean east. Ivy covered	Minor deadwood	Adjacent. Limited access. Situated on banking on slightly lower ground than residential property.	Good	Fair	>40 yrs	B	No works required

	Tree Species			Measurements				Crown (m)				Tree Condition									Management	
Tree ID	Common Name	Latin Name	Maturity	Height (m)	Stems	Stem Diameter (mm)	Estimated	Crown height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Category	Works	
G5	Cherry Laurel	Prunus laurocerasus	Semi-mature	4	10	60	Yes	0	See plan				Dense group of Cherry Laurel. Adjacent. Limited access.				Good	Fair	20 to 40 yrs	C	No works required	
T6	Holly	Ilex aquifolium	Young	4.5	2	80, 80	Yes	0.5	1.5	1.5	1.5	1.5	Limited access around base	Twin stemmed at base. Vertical	No visual defects	Adjacent. Limited access. Situated on lower ground than residential property. Retaining wall between tree and residential property. Drainage ditch to immediate south.		Good	Fair	20 to 40 yrs	C	No works required





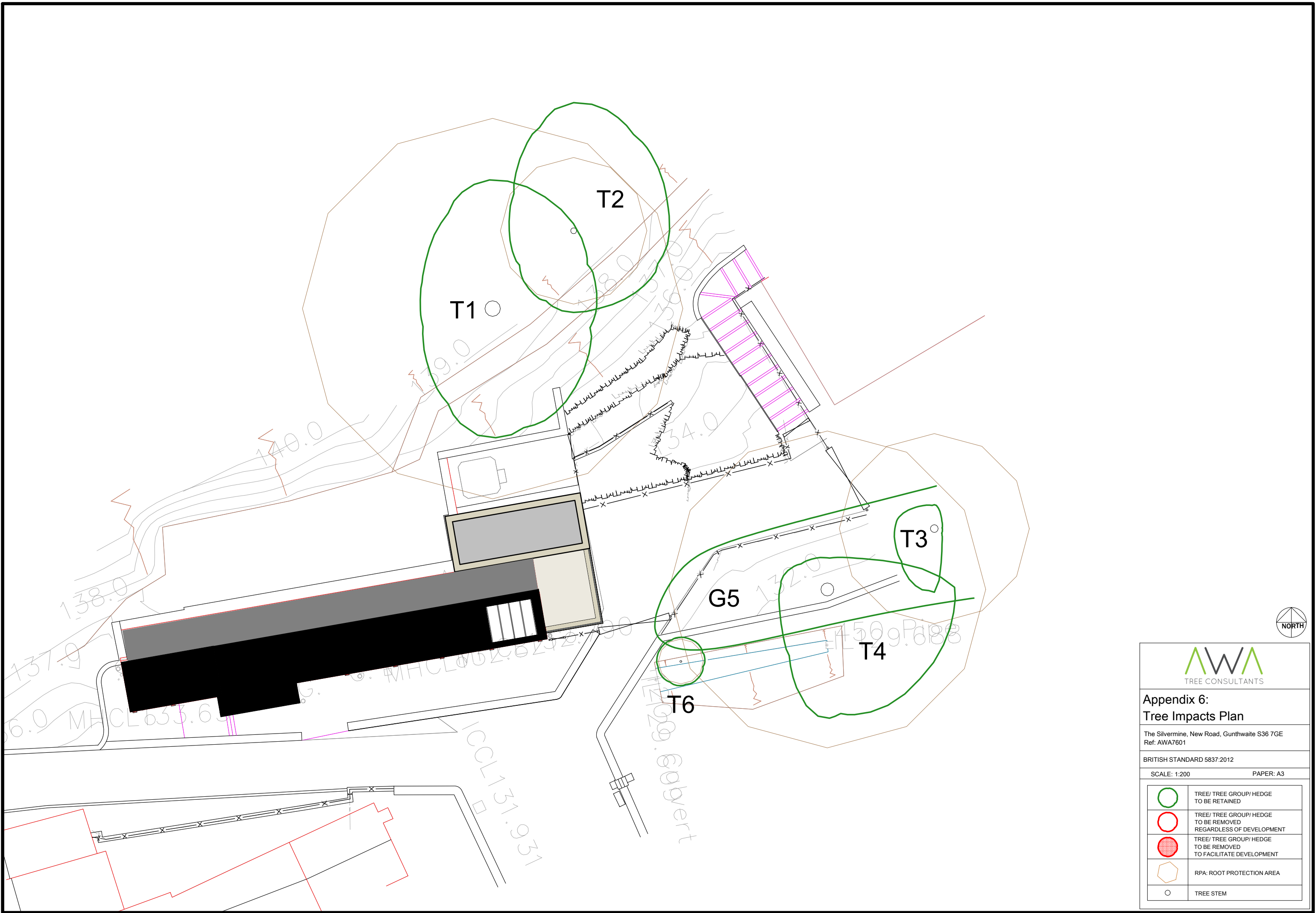
Appendix 5:
Tree Constraints Plan

The Silvermine, New Road, Gunthwaite S36 7GE
Ref: AWA7601

BRITISH STANDARD 5837:2012
RETENTION CATEGORIES
Definitions of these categories can be found in Appendix 3 of the report.

SCALE: 1:200 PAPER: A3

	CATEGORY A: HIGH VALUE RETENTION MOST DESIRABLE
	CATEGORY B: MODERATE VALUE RETENTION DESIRABLE
	CATEGORY C: LOWER VALUE COULD BE RETAINED
	CATEGORY U: UNSUITABLE FOR RETENTION
	RPA: ROOT PROTECTION AREA
	TREE STEM



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**Appendix 6:
Tree Impacts Plan**

The Silvermine, New Road, Gunthwaite S36 7GE
Ref: AWA7601

BRITISH STANDARD 5837:2012

SCALE: 1:200 PAPER: A3

	TREE/ TREE GROUP/ HEDGE TO BE RETAINED
	TREE/ TREE GROUP/ HEDGE TO BE REMOVED REGARDLESS OF DEVELOPMENT
	TREE/ TREE GROUP/ HEDGE TO BE REMOVED TO FACILITATE DEVELOPMENT
	RPA: ROOT PROTECTION AREA
	TREE STEM