



Penistone Footbridge & Car Park

Arboricultural Method Statement

For **Barnsley Metropolitan Borough
Council**

Project No.: **BAR010-003**

October 2026

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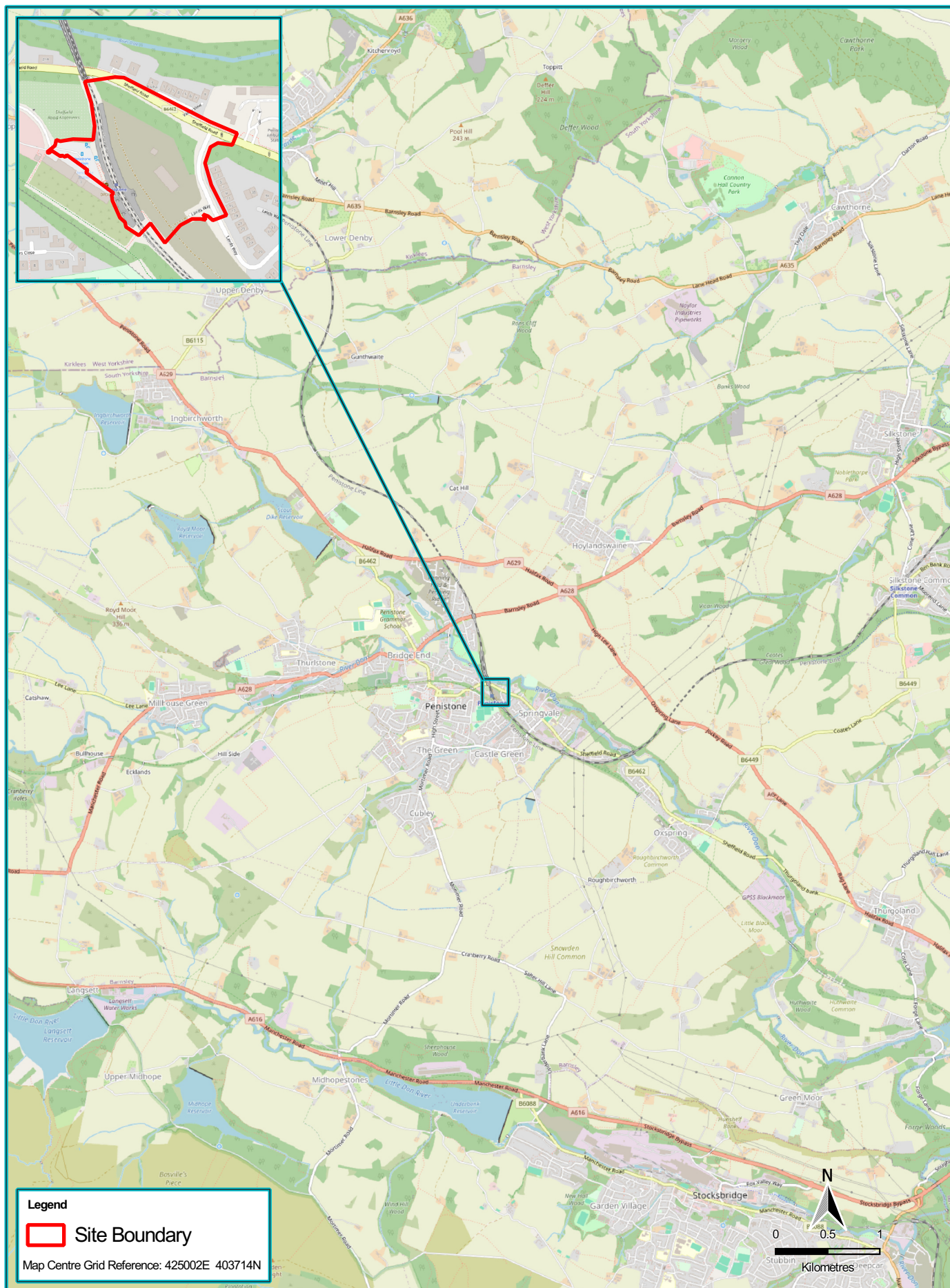
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1. Summary

- 1.1.1** Barnsley Metropolitan Borough Council commissioned Thomson Environmental Consultants to conduct an Arboricultural Method Statement for the development proposals at Penistone Footbridge & Car Park, which involve the redevelopment and reconfiguration of land associated with Penistone Station to provide an expanded car parking facility. This report follows the Arboricultural Impact Assessment submitted by Thomson Environmental Consultants (document number: 261002-BAR010-003-Penistone Railway Station and Carpark-AIA-001 RA merged).
- 1.1.2** This Arboricultural Method Statement has been prepared to clearly define the actions and measures to be taken to protect retained trees within and immediately adjacent the site throughout the entire course of the enabling / demolition phase and construction phase of the development.
- 1.1.3** The development proposals directly require the complete removal of 3 individual trees, 2 groups of trees and the partial removal of 5 further groups of trees. A full breakdown of these trees along with their quality category is provided at Appendix 2 and at section 3.3 of this report.
- 1.1.4** Measures are proposed within this report to effectively protect retained trees against the impacts identified within the impact assessment. These impacts are:
- Construction of new hard standing in areas of existing grass / soft landscaping - T03, T14, T19, T20, T21, T22
 - Installation of new services in areas of existing grass / soft landscaping - T14, T19, T20, T21, T22
- 1.1.5** Checks made on Barnsley Metropolitan Borough Council's online interactive mapping software indicate that no trees recorded as part of this report are subject to any Tree Preservation Orders.
- 1.1.6** Arboricultural site supervision will be required at a number of key stages throughout the project, to ensure the works are carried out as specified within this report. 'Sequence of works' at section 3.9 specifies where arboricultural site supervision will be required.



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Figure Number	1		Scale at A4	1:50,000	
Figure Title	Site Location		Drawn	JTW	Checked
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			Date	20/03/2026	20/03/2026

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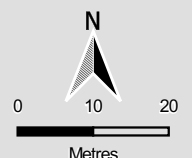


- Legend**
- Canopy Extent of Category 'A' Tree
 - Canopy Extent of Category 'B' Tree
 - Canopy Extent of Category 'C' Tree
 - Canopy Extent of Category 'U' Tree
 - Root Protection Area of Tree / Group
 - Stem of Individual Tree
 - Extent of Tree Stems within Groups / Hedges
 - Site Boundary
 - Existing Site Layout



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Client Barnsley Metropolitan Borough Council	
Figure Number 2a	
Figure Title Tree Constraints Plan (TCP01)	



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Legend

- Canopy Extent of Category 'B' Tree
- Canopy Extent of Category 'C' Tree
- Canopy Extent of Category 'U' Tree
- Root Protection Area of Tree / Group
- Stem of Individual Tree
- Extent of Tree Stems within Groups / Hedges
- Site Boundary
- Existing Site Layout

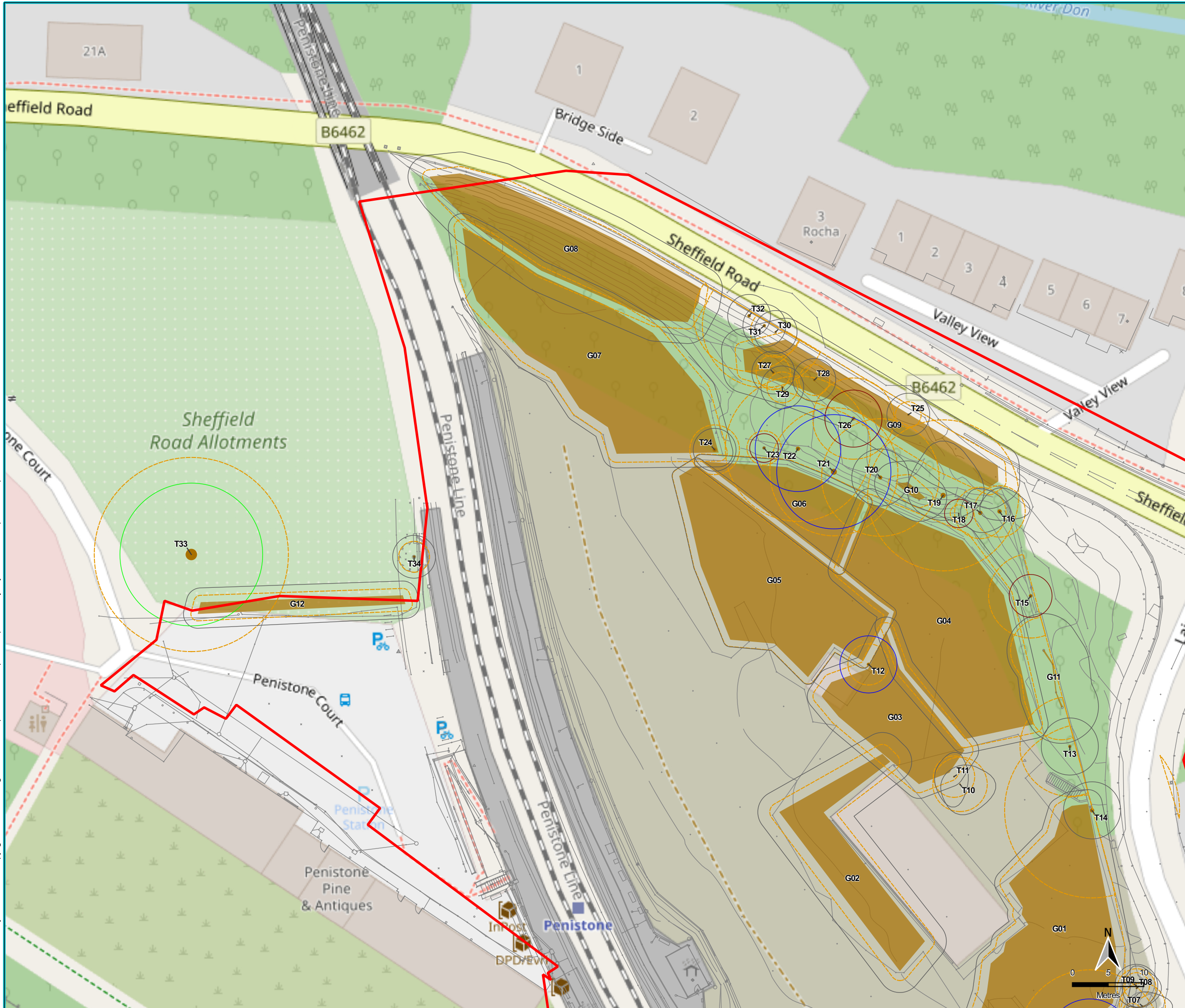
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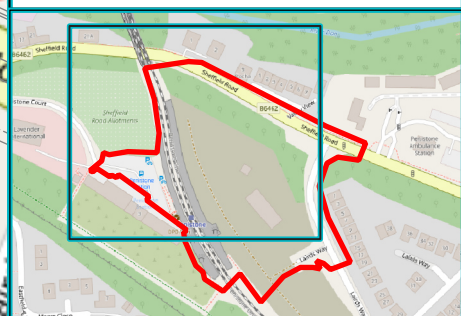
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Figure Title	
Tree Constraints Plan (TCP01)	

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- Legend**
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 - Canopy Extent of Category 'C' Tree
 - Canopy Extent of Category 'U' Tree
 - Root Protection Area of Tree / Group
 - Stem of Individual Tree
 - Extent of Tree Stems within Groups / Hedges
 - Site Boundary
 - Existing Site Layout



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Barnsley Metropolitan Borough Council			
Figure Number		2c	
Figure Title			

Tree Constraints Plan
(TCP01)

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- Legend**
- Canopy Extent of Category 'A' Tree
 - Canopy Extent of Category 'B' Tree
 - Canopy Extent of Category 'C' Tree
 - Canopy Extent of Category 'U' Tree
 - Root Protection Area of Tree / Group to be Retained
 - Root Protection Area of Tree / Group to be Removed
 - Stem of Individual Tree to be Retained
 - Stem of Individual Tree to be Removed
 - Extent of Tree Stems within Groups / Hedges to be Retained
 - Extent of Tree Stems within Groups / Hedges to be Removed
 - Site Boundary
 - Proposed Site Layout



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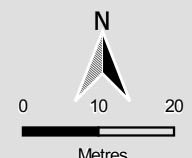
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Client
Barnsley Metropolitan Borough Council

Figure Number
3a

Figure Title
Tree Retention and Removal Plan (TRRP01)

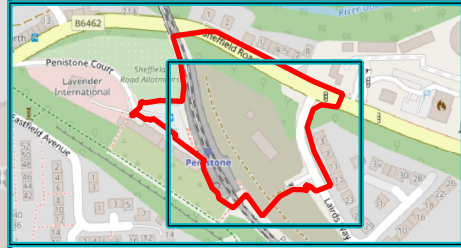


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Legend

- Canopy Extent of Category 'B' Tree
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- Canopy Extent of Category 'U' Tree
- Root Protection Area of Tree / Group to be Retained
- Root Protection Area of Tree / Group to be Removed
- Stem of Individual Tree to be Retained
- Stem of Individual Tree to be Removed
- Extent of Tree Stems within Groups / Hedges to be Retained
- Extent of Tree Stems within Groups / Hedges to be Removed
- Site Boundary
- Proposed Site Layout

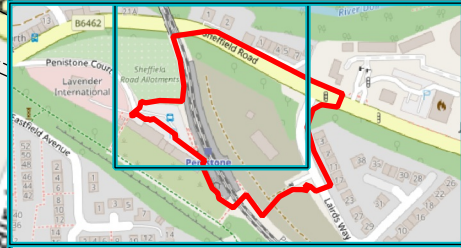


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Date 02/10/2026	Date 02/10/2026
Client Barnsley Metropolitan Borough Council	
Figure Number	3b
Figure Title Tree Retention and Removal Plan (TRRP01)	

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 - Root Protection Area of Tree / Group to be Retained
 - Root Protection Area of Tree / Group to be Removed
 - Stem of Individual Tree to be Retained
 - Stem of Individual Tree to be Removed
 - Extent of Tree Stems within Groups / Hedges to be Retained
 - Extent of Tree Stems within Groups / Hedges to be Removed
 - Site Boundary
 - Proposed Site Layout



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Client
Barnsley Metropolitan Borough Council

Figure Number
3c

Figure Title
Tree Retention and Removal Plan (TRRP01)



- Canopy Extent of Category 'A' tree
- Canopy Extent of Category 'B' tree
- Canopy Extent of Category 'C' tree
- Canopy Extent of Category 'U' tree
- Root Protection Area of Tree / Group to be retained
- Stem of Individual Tree to be retained
- Extent of Tree Stems within Groups / Hedges / Woodlands
- Tree Protection Fencing
- Site boundary
- Encroachment of proposed car park into retained tree RPAs. Arboricultural supervision required during excavations for T20, T21 and T03.
- Encroachment of proposed shallow drainage channel into retained tree RPAs. Arboricultural supervision required during excavations for T19, T20, T21 and T22, with only hand tools used beyond 100mm depth.

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Client	Barnsley Metropolitan Borough Council
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Figure Title

Final Disposition Plan

Tree Protection Plan
(TRP01)

(IFF01)	
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2. Introduction

2.1 Brief and Objectives

2.1.1 Barnsley Metropolitan Borough Council commissioned Thomson Environmental Consultants to complete an Arboricultural Method Statement (AMS) based on the development proposals at Penistone Footbridge & Car Park (hereafter referred to as 'the site').

2.1.2 The brief was to complete:

- An Arboricultural Method Statement based on the development proposals; and
- A Tree Protection Plan

2.1.3 The purpose of this AMS is to demonstrate how construction work will be undertaken on the site to avoid an unacceptable impact on, and provide an adequate level of protection for, the retained trees.

2.2 Development Background

2.2.1 The proposals comprise the redevelopment and reconfiguration of land associated with Penistone Station to provide an expanded car parking facility, associated access arrangements, pedestrian infrastructure, sustainable drainage features (SuDS), and landscape enhancements. The scheme includes new hard surfaced parking and circulation areas, areas of paving, biodiverse planting and habitat creation measures, including native scrub and species-rich planting, together with dedicated Biodiversity Net Gain (BNG) areas located throughout the site. The works are focused on improving station parking provision whilst delivering landscape and ecological enhancements.

2.2.2 Checks made on Barnsley Metropolitan Borough Council's online interactive mapping software indicate that no trees recorded as part of this report are subject to any Tree Preservation Orders.

2.2.3 Penistone Conservation Area lies immediately adjacent to the north-western extent of the site. However, it is not entirely clear from the available mapping whether the Conservation Area boundary extends marginally into the site beyond the railway corridor. Confirmation of the precise boundary position should therefore be sought through correspondence with the local planning authority. Based on our review of the available information, it is our opinion that the Conservation Area is unlikely to extend into the site.

2.2.4 A review of the DEFRA MAGIC map was also undertaken which showed that there are no designated ancient woodlands within or adjacent to the site.

2.3 Limitations

2.3.1 The information provided within this report and in the accompanying Tree Schedule covers only those trees that were inspected and their condition at the time of survey.

2.3.2 A full hazard assessment has not been made and therefore no guarantee is given as to the structural integrity of any of the trees on site.

- 2.3.3** The trees surveyed were inspected from ground level only and no internal investigations were undertaken.
- 2.3.4** Whilst this report makes general observations on the long-term potential of the trees surveyed, trees are dynamic organisms and subject to continual change, thus this report should not be relied upon for the purposes of development for more than 24 months from the date of survey.
- 2.3.5** The locations of trees not recorded on the topographical survey have been plotted as accurately as possible using a GPS enabled tablet but will require verification if to be relied upon.
- 2.3.6** The dimensions of offsite and inaccessible trees have been estimated.
- 2.3.7** This report is suitable for its intended purpose; however, some groups of trees and hedges may require re-surveying to satisfy foundation depth calculations in accordance with NHBC Chapter 4.2 Building near Trees.

3. Arboricultural Method Statement

3.1 Introduction

3.1.1 The purpose of this AMS is to demonstrate how construction work will be undertaken on the site to avoid an unacceptable impact on, and provide an adequate level of protection for, the retained trees. The Root Protection Areas (RPAs) of trees identified for retention will remain protected throughout the development to avoid potential damage, such as:

- Soil compaction;
- Root severance due to excavation;
- Soil coverage with impermeable material;
- Alterations in ground level;
- Leaks and spillages from stored materials; and
- Vehicle and heavy plant collision.

3.1.2 This AMS sets out the tree protection required to facilitate the proposed development and should not be read as a definitive engineering or construction statement for this site. Matters relating to construction or engineering detail should be referred to a qualified structural engineer for further information and specification. This AMS is to be used in conjunction with the Tree Protection Plan (TPP01) at Figure 4.

3.2 Documents

3.2.1 This AMS and the attached Tree Protection Plan (TPP01 Figure 4) have been based on the documents shown in Table 1 below.

Table 1: Documents upon which this assessment has been based.

Originator	RefNo	Title
Thomson Environmental Consultants	BAR010-003	Arboricultural Survey Report (including Fig 2: Tree Constraints Plan)
Barnsley Metropolitan Borough Council	PNS-SLC-XX-DRG-ARC-9009 P01	Proposed Car Park Landscape Plan
Met Geo Environmental	P22-01501-MET-EXT-XX-TOP-M2-G-2-2D	Topographical Survey

3.3 Trees to be removed

3.3.1 The development proposals directly require the complete removal of three individual trees, 2 groups of trees and the partial removal of 5 further groups of trees. A full breakdown of these trees along with their quality category is provided at Appendix 2.

3.3.2 All trees to be removed as part of the development of the site can be found tabulated at Appendix 2 of this report, along with their BS5837:2012 category. The removal of trees should take place during the initial phase of the project.

3.3.3 Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber lorries, tractors, excavators or cranes should be parked or driven beneath the crowns of any retained trees, to prevent subsequent soil compaction and root death. All arisings are to be removed and the site is to be left in as tidy and orderly manner as possible.

3.4 Tree Pruning

3.4.1 The details for any trees requiring pruning works, whether that be for access facilitation or to mitigate any risk, are provided at Appendix 3. Providing that these works are controlled and carried out in accordance with BS3998: 2010 Tree work - Recommendations, then the visual impact of the work will be minimal and will not cause any significant implications for the health of the trees.

3.4.2 During the construction phase, should there be any additional need for pruning then advice will be sought first from the project arboriculturist and, if necessary, by submission of an addendum to this document for review by the Local Planning Authority Arboricultural Officer. All tree work is to be undertaken in accordance with the British Standard BS3998:2010 Recommendations for Tree Work.

3.5 Impacts on retained trees

3.5.1 Listed below are the works identified within the AIA that have the potential to cause damage to retained trees. Details of the measures required to protect the trees are provided at Section 3.6 in order of their 'Rating' within each impact.

3.5.2 Construction Phase - Impact Rating: Negligible

- Construction of new hard standing in areas of existing grass / soft landscaping - T14, T19, T22
- Installation of new services in areas of existing grass / soft landscaping - T14, T19, T22

3.6 Protection Measures - Construction Phase

3.6.1 *Construction of new hard standing in areas of existing grass / soft landscaping.*

Impact rating: Significant - Applies to: T20, T21

3.6.2 Excavations associated with the proposed car park within RPAs shall be undertaken under arboricultural supervision.

3.6.3 A suitably sized mini-excavator may be utilised for the works; however, it shall remain positioned outside the RPAs at all times and reach into the excavation area from beyond the RPA boundary.

3.6.4 The working area shall be restricted to the approved construction footprint. No storage of materials, spoil, plant, equipment or fuels shall occur within retained RPAs outside the approved working area.

3.6.5 The project arboriculturist shall be provided with a minimum of 48 hours' notice prior to commencement of excavation works within the RPAs.

3.6.6 Excavations shall be undertaken carefully and progressively to the approved design levels, avoiding unnecessary disturbance beyond the extent required to facilitate the approved works.

3.6.7 During excavation, any roots encountered shall be managed as follows:

- Roots less than 25mm in diameter may be severed as required using sharp secateurs, loppers or hand tools.
- Roots greater than 25mm in diameter shall be retained where practicable and pruned only where absolutely necessary to facilitate the approved works.
- Any root pruning shall be undertaken using sharp suitable tools to achieve clean cuts.
- Excavation equipment shall not pull, tear or otherwise wrench roots from the surrounding soil profile.

3.6.8 Following completion of the excavation works, the approved car park construction, including sub-base, base course and surfacing, shall be installed in accordance with the engineering drawings and specification.

3.6.9 *Impact rating: Significant - Applies to: T03*

3.6.10 Excavations within the root protection area of T03 shall also be undertaken under arboricultural supervision. Existing gravel, hardcore and rubble shall be removed carefully using a toothless grading bucket or hand tools as directed by the Arboricultural Consultant.

3.6.11 Roots encountered within the footprint of the proposed footpath and access road extension shall be pruned as necessary to facilitate the works. Root pruning shall be undertaken using sharp hand tools or suitable secateurs to achieve clean cuts and minimise tearing or fracturing of root tissues.

3.6.12 Should larger woody roots be encountered in greater quantities than anticipated, works shall cease locally and the Arboricultural Consultant shall be consulted to review the excavation and provide site-specific recommendations before works continue.

3.6.13 When a sufficient depth of excavation is achieved, the new surface can be built up using conventional means of construction considering no roots have been retained within the footprint.

Impact rating: Negligible - Applies to: T14, T19, T22

3.6.14 Excavations in these areas of the site can be carried out using a mini-excavator with the arm reaching in towards the trees to carefully scrape and remove the grass and top-soil, providing the machine remains fully outside the RPAs of the trees at all times.

3.6.15 When roots are beginning to be exposed, further excavations will be carried out carefully to allow any exposed roots to be dealt with appropriately. Tearing through structural roots with the excavator bucket will not occur at any time. Instead, any roots greater than 25mm diameter will be further exposed using hand tools only, to allow them to be pruned cleanly back to the soil profile.

3.6.16 When a sufficient depth of excavation is achieved, the new surface can be built up using conventional means of construction considering no roots have been retained within the footprint.

3.6.17 *Installation of new services in areas of existing grass / soft landscaping.*

Impact rating: Significant - Applies to: T20, T21

3.6.18 Excavations can initially be carried out using a mini-excavator with the arm reaching in towards the trees to carefully scrape and remove the grass and top-soil from within the footprint of the trench, providing the machine remains fully outside the RPAs of the trees at all times.

3.6.19 When tree roots begin to be exposed during the excavations, those greater than 25mm diameter will be further exposed using hand tools only, so they are clearly visible to help prevent damage for the remaining excavations. Tearing through structural roots with the excavator bucket will not occur at any time.

3.6.20 A compressed air lance is the most effective tool to quickly remove soil from around roots without damaging them and will therefore be used as much as possible, alongside manual hand tools. Roots greater than 25mm are always to be retained and will not be damaged. No contact will be made between any tools and the roots as this risks scraping and damaging the bark.

3.6.21 All roots smaller than this will be pruned cleanly back to the soil surface under the supervision of the project arboriculturist.

3.6.22 When the intended depth of excavation is reached, the new services are to be fed beneath or ride over any roots that are retained within the trench.

3.6.23 The trench will be back-filled as soon as possible following installation of the services. Back filled material will be an inert granular material mixed with good quality topsoil (or the excavated soil)

or sharp sand. The back-filled material will not be compacted but lightly tamped and left slightly proud of the surrounding surface to allow natural settlement.

3.6.24 Alternatively, if roots are to be left exposed overnight, they will be wrapped in hessian. The project arboriculturist will be consulted as to whether wetting the wrapping is appropriate to prevent roots drying out, which will depend on the temperature.

3.6.25 This entire process is to be supervised by the project arboriculturist to ensure that works are carried out in accordance with this method statement.

3.6.26 Guidance on installing services within and immediately adjacent to RPAs is provided within the National Joint Utilities Group publication 'Guidelines for the planning, installation and maintenance of utility services in proximity to trees' (NJUG 4, 2007).

Impact rating: Negligible - Applies to: T14, T19, T22

3.6.27 Owing to the negligible level of root protection area encroachment associated with T14, T19 and T22, standard excavation techniques may be employed within these areas. Works shall be carried out carefully to minimise root damage and any roots encountered shall be severed cleanly where necessary. The anticipated level of root loss is considered acceptable and no adverse impacts on the long-term retention of the trees are expected.

3.7 Tree Protection Fencing

3.7.1 Tree protection fencing will be erected initially in the locations shown on the Tree Protection Plan (TPP01) to allow site works to commence, the wider sequencing of works is set out at 3.9.

3.7.2 The specification for this temporary fencing will be in accordance with Figure 2 of BS5837:2012 'Trees in Relation to Design, Demolition and Construction - Recommendations' (BSI). It will comprise 2.0m high mesh fencing (Heras type panels are a simple, readily available solution) supported by a stabiliser strut at an angle of 45 degrees on the side of the trees, anchored by further ground pins (see Appendix 4). The vertical scaffold tubes will be spaced at a maximum interval of 3m.

3.7.3 Clear signs will be attached at 4m intervals along the fencing stating, 'Tree Protection Area - Keep Out'. These should be outward facing, and weather protected and maintained for the duration of the works. A suitable sign can be seen in Appendix 5.

3.7.4 The area protected by the fence shall be known as the Construction Exclusion Zone (CEZ).

3.7.5 The following principles must be maintained within the CEZ:

- All vegetation within CEZ shall be retained unless expressly approved by the project ecologist in writing.
- Existing ground levels shall not be altered;
- No excavation shall occur to avoid root severance;
- No plant or vehicles shall enter the CEZ;

- Impermeable surfacing shall not be laid down over soil ('capping');
- No materials, fuels or chemicals shall be stored within any of these areas;
- No fires to be lit where flames may reach within 5m of the CEZ;
- No structures or fixtures of any kind shall be fastened in any way to the trunks of the retained trees;
- No drainage or irrigation pipes shall be installed within the RPAs of the retained trees; and
- The site hoarding shall remain in place until construction or soft landscape operations require its full or partial removal, at which point temporary Heras fencing will be erected. No other construction activity will take place within those areas formerly protected by the fence.

3.7.6 All the fencing will be regularly checked as part of the site inspection procedures and all operatives as part of the site induction will be briefed on the importance of maintaining the barriers to prevent damage to the surrounding environment.

3.7.7 There should be no changes to the protocols above without prior consultation with the project arboriculturist.

3.8 Supervision

3.8.1 Before construction commences, a suitably qualified and experienced arboriculturist shall be appointed to oversee key stages of the construction work that will affect the trees.

3.8.2 The appointed project arboriculturist shall hold a pre-commencement meeting with the site manager, relevant construction staff and Local Authority Tree Officer (if appropriate) to explain and agree the contents of this AMS to ensure its correct implementation.

3.8.3 This meeting will detail the site procedures and rules that relate to all retained and protected trees on site, as well as explaining the content of the agreed AMS. Construction staff shall be required to sign and confirm that they fully understand their responsibilities with respect to trees and will abide by these requirements. The Site Manager shall retain copies of the site induction statements for future reference where necessary.

3.8.4 Tree protection fencing will be erected in the locations shown on the Tree Protection Plan prior any site works. The project arboriculturist should check on site that the fencing is in the correct location and is in line with the specification attached to this report.

3.8.5 Arboricultural site supervision will be required during certain key activities as specified within this report. Table 2 provides a summary of the sequence of events, including where supervision will be required.

3.8.6 Monthly visits should be undertaken by a qualified arboriculturist to ensure the retained trees have not been damaged by construction works and that installed tree protection measures remain intact and are positioned in the intended locations.

3.8.7 After each site visit by the arboriculturist, a report of the visit shall be submitted to the client detailing the result of the visit. Where necessary, this will be supported with photographic evidence highlighting unacceptable practices as well as good site management and tree protection measures.

3.8.8 In the event that there is a non-approved incursion into a construction exclusion zone, works on site should be temporarily suspended and the lead arboriculturist consulted. A site visit may be necessary to inspect the affected tree and a report of the incident, including any remedial actions taken, sent to Barnsley Metropolitan Borough Council's Tree Officer.

3.8.9 Any changes to the nature and sequence of works specified in this AMS regarding the retained trees should be agreed with an arboricultural consultant at least 48 hours before their realisation.

3.9 Sequence of Works

3.9.1 A logical sequence of events, as well as whether arboricultural site supervision will be required, is shown in Table 2 below.

Table 2: Sequence of works and Arboricultural Site Supervision.

Stage	Event	Arboricultural Supervision / site visit required
Stage 1	Construction phase prestart meeting with Barnsley Metropolitan Borough Council's Tree Officer, site manager and relevant construction staff. This will include site induction for all personnel.	Yes
Stage 2	Carry out tree removals specified at Appendix 2. Carry out tree pruning specified at Appendix 3.	No
Stage 3	Install tree protection fencing as per Figure 4 Tree Protection Plan. The specifications are given in Section 3.7 and at Appendix 4.	No
Stage 4	Site visit by arboriculturist to sign off the installed fencing (or hoarding acting as tree protection).	Yes
Stage 5	Construction of new hard standing in areas of existing grass / soft landscaping. Applies to: T03, T20, T21	Yes
Stage 6	Installation of new services in areas of existing grass / soft landscaping. Applies to: T14, T19, T20, T21, T22	Yes - For T20 and T21
Stage 7	Removal of all protective fencing.	No
Stage 8	Arboricultural assessment of retained trees on site to confirm their health following completion of construction works.	Yes

3.10 List of Contacts

- 3.10.1** The list of contacts within Table 3 should be used as reference if any deviations from, or issues with, any part of this AMS arise.

Table 3: List of contact details for relevant parties

Name	JobTitle	Organisation	Contact details
Jake Edwards	Associate Project Manager	Barnsley Metropolitan Borough Council	jakeedwards@barnsley.gov.uk
Robert Armitage	BSc (Hons) MArborA Principal Arboricultural Consultant.	Thomson Environmental Consultants	07376 016 047 / robert.armitage@thomsonec.com

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Appendix 1 - Tree Schedule

Tree/ Group No	Species	Height (m)	Stem diameter (mm)	N	E	S	W	Height of lowest limb and direction	Crown clearance (m)	Age class	Estimated remaining contribution	Physiological condition	Structural condition	Comments	Preliminary management recommendations	BS category	RPA (m2)	RPA radius (m)
T01	goat willow; Salix caprea	10.0	130	2	2	4	3	0 SW	0.5	Semi-mature	10+	Fair	Poor	Growing on bank. Surface roots can be seen on the east side of the tree. Crown is been suppressed by neighbouring tree	No works required	C 1	7.64	1.56
T02	silver birch; Betula pendula	10.0	180	2	3	4	3	0 SW	0.5	Semi-mature	10+	Fair	Poor	Growing on bank with hard standing near base. Surface roots can be seen on the east side of the tree. Crown is been suppressed by neighbouring tree	No works required	C 1	14.65	2.16
T03	goat willow; Salix caprea	13.0	9 x 280	6	6	6	6	3 S	3	Early mature	20+	Good	Fair	Old pruning wounds can be seen around the stem on North and East side. Multi-stemmed at 0.5 and again at 1m.	No works required	B 1	319.08	10.08
T04	silver birch; Betula pendula	15.0	150	3	3	3	3	4 NE	4	Semi-mature	10+	Good	Fair	Old pruning wounds seen around base and stem of tree. Slight lean on stem of 23 degrees. Tree competing for space.	No works required	C 1	10.17	1.80
T05	hawthorn; Crataegus monogyna	7.0	90	1	1	1	1	2 S	2	Semi-mature	10+	Fair	Fair	Pruning work seen around stem. Tree is being suppressed by neighbouring tree which is near the entrance to the site.	No works required	C 1	3.66	1.08
T06	goat willow; Salix caprea	7.0	90, 75	1	1	1	1	2 S	2	Semi-mature	10+	Fair	Fair	Pruning work seen around stem on the east side only. Tree is being suppressed by neighbouring tree.	No works required	C 1	6.24	1.41

Tree/ Group No	Species	Height (m)	Stem diameter (mm)	N	E	S	W	Height of lowest limb and direction	Crown clearance (m)	Age class	Estimated remaining contribution	Physiological condition	Structural condition	Comments	Preliminary management recommendations	BS category	RPA (m2)	RPA radius (m)
T07	goat willow; Salix caprea	7.0	170, 170, 90, 80	2	5	3	1	4 S	4	Semi- mature	10+	Good	Fair	Old pruning wounds can be seen around the stem on North and East side. Multi-stemmed at 0.5 and again at 1m.	No works required	C 1	32.76	3.23
T08	goat willow; Salix caprea	10.0	170, 120, 90	3	4	3	2	1 E	1	Semi- mature	10+	Poor	Poor	Growing on top of hard surface. The stem looks to have failed in the past and has regrown from there. Crown is suppressing neighbouring tree.	No works required	C 1	23.23	2.72
T09	Sambucus sp.	8.0	75, 80, 75, 75	3	3	3	3	1 E	1	Semi- mature	10+	Poor	Poor	Growing next to brick wall. Fungal fruiting body seen growing on stem. Impact damage seen from the wall on stem.	No works required	C 1	10.52	1.83
T10	goat willow; Salix caprea	12.0	7 x 120	3	6	5	3	0 W	-	Semi- mature	10+	Fair	Poor	Growing over hard standing. Multi-stemmed from base. Small cavity on larger stem in group this is 5cm in depth.	No works required	C 1	45.59	3.81
T11	goat willow; Salix caprea	12.0	150, 140, 90, 90	4	2	5	3	0 SW	0.5	Semi- mature	10+	Fair	Poor	Multi-stemmed at base. Crown is being suppressed by neighbouring trees and also its own limbs competing for the space.	No works required	C 1	26.41	2.90
T12	silver birch; Betula pendula	15.0	240	4	4	4	4	2 S	2.5	Semi- mature	20+	Good	Fair	Growing next structure. Slight lean on stem, but the tree is self correcting. The crown is growing close to the structure and will cause future damage to the structure.	No works required	B 1	26.05	2.88
T13	goat willow; Salix caprea	9.0	30, 300, 320	4	4	4	4	1 N	1	Early mature	10+	Fair	Fair	Tree located at the top of the wall.	No works required	C 1	87.55	5.28

Tree/ Group No	Species	Height (m)	Stem diameter (mm)	N	E	S	W	Height of lowest limb and direction	Crown clearance (m)	Age class	Estimated remaining contribution	Physiological condition	Structural condition	Comments	Preliminary management recommendations	BS category	RPA (m2)	RPA radius (m)
T14	sycamore; Acer pseudoplatanus	9.0	6 x 300	4	4	4	4	1 N	1	Early mature	10+	Fair	Fair	Tree located at the top of the wall. Die back in several areas of the canopy.	Remove due to location	C 1	244.29	8.82
T15	ash; Fraxinus excelsior	10.0	320, 180	3	3	3	3	2 W	2	Semi-mature	<10	Poor	Fair	Well established dieback. Low value.	No works required	U	61.07	4.41
T16	ash; Fraxinus excelsior	15.0	300	4	5	1	3	2 N	3	Semi-mature	10+	Fair	Fair	Some reduced vitality. Die back in an areas.	No works required	C 1	40.70	3.60
T17	ash; Fraxinus excelsior	15.0	300	4	5	3	3	2 N	3	Semi-mature	10+	Fair	Fair	Some reduced vitality. Die back in an areas.	No works required	C 1	40.70	3.60
T18	ash; Fraxinus excelsior	9.0	100	2	2	2	2	2 N	3	Semi-mature	<10	Poor	Fair	Well established dieback.	No works required	U	4.52	1.20
T19	goat willow; Salix caprea	15.0	6 x 360	9	7	4	6	5 N	5	Early mature	10+	Fair	Fair	Typical form for a multi-stemmed goat willow.	No works required	C 1	351.52	10.58
T20	goat willow; Salix caprea	11.0	6 x 280	4	4	4	4	5 N	4	Semi-mature	10+	Fair	Fair	Slight lean on stem. Crown has long length of deadwood seen on North side of crown. Crossed and rubbing limbs seen.	No works required	C 1	212.70	8.23
T21	goat willow; Salix caprea	10.0	560, 350, 350	8	8	8	8	2 N	2	Early mature	20+	Good	Fair	Interesting form for species. Small diameter deadwood.	Remove deadwood	B 1	252.67	8.97
T22	goat willow; Salix caprea	11.0	8 x 300	6	6	6	6	5 N	5	Early mature	20+	Fair	Fair	One of the larger goat willows in area. Not a particularly good example of species.	No works required	B 2	325.44	10.18
T23	ash; Fraxinus excelsior	9.0	200	2	6	6	6	5 N	5	Young	<10	Poor	Fair	Well established dieback.	No works required	U	18.09	2.40

Tree/ Group No	Species	Height (m)	Stem diameter (mm)	N	E	S	W	Height of lowest limb and direction	Crown clearance (m)	Age class	Estimated remaining contribution	Physiological condition	Structural condition	Comments	Preliminary management recommendations	BS category	RPA (m2)	RPA radius (m)
T24	silver birch; Betula pendula	12.0	290	3	6	6	6	2 N	2	Semi-mature	10+	Good	Good	Some small diameter dead wood. Developing relatively well.	No works required	C 1	38.03	3.48
T25	sycamore; Acer pseudoplatanus	6.0	150	3	3	3	3	2 N	2	Semi-mature	10+	Good	Fair	Small self seeded tree.	Remove deadwood	C 1	10.17	1.80
T26	ash; Fraxinus excelsior	20.0	350, 250, 200	4	3	3	3	5 N	5	Semi-mature	<10	Poor	Fair	Dieback class 3 75-50%. Epicormic growth seen around crown.	Remove deadwood	U	101.67	5.69
T27	ash; Fraxinus excelsior	20.0	200	3	3	3	3	2 S	3	Semi-mature	10+	Fair	Fair	The crown is showing signs of Ash Dieback class 3 75-50% of the crown remaining. Epicormic growth seen around crown indicating that the tree is in stress.	Remove deadwood	C 1	18.09	2.40
T28	ash; Fraxinus excelsior	16.0	180	3	3	3	3	2 S	3	Semi-mature	10+	Fair	Fair	The crown is showing signs of Ash Dieback class 3 75-50% of the crown remaining. Epicormic growth seen around crown indicating that the tree is in stress.	No works required	C 1	14.65	2.16
T29	ash; Fraxinus excelsior	16.0	180	3	3	3	3	2 S	3	Semi-mature	10+	Fair	Fair	The crown is showing signs of Ash Dieback class 3 75-50% of the crown remaining. Epicormic growth seen around crown indicating that the tree is in stress.	No works required	C 1	14.65	2.16
T30	grey willow; Salix cinerea	11.0	210, 100	3	3	3	3	2 E	2	Semi-mature	10+	Fair	Fair	Multi-stemmed from base. Included unions seen a typical example of the species. Growing behind a stone wall.	No works required	C 1	24.44	2.79

Tree/ Group No	Species	Height (m)	Stem diameter (mm)	N	E	S	W	Height of lowest limb and direction	Crown clearance (m)	Age class	Estimated remaining contribution	Physiological condition	Structural condition	Comments	Preliminary management recommendations	BS category	RPA (m2)	RPA radius (m)
T31	grey willow; Salix cinerea	10.0	6 x 220	3	3	3	3	2 E	2	Semi-mature	10+	Poor	Fair	Multi-stemmed from base. Included unions seen a typical example of the species. Growing behind a stone wall. Reduced vitality.	No works required	C 1	131.46	6.47
T32	grey willow; Salix cinerea	10.0	210, 250, 250, 250	3	3	3	3	2 E	2	Semi-mature	10+	Fair	Fair	Included union seen, a typical example of the species. Growing behind a stone wall.	No works required	C 1	104.55	5.77
T33	sycamore; Acer pseudoplatanus	24.0	850, 750	10	10	10	10	1 S	4	Mature	40+	Good	Good	Limited access, unable to see from public open space. Growing on third party land. Ivy developing up stem. Small diameter deadwood seen in crown	Remove deadwood	A 1	580.84	13.60
T34	common alder; Alnus glutinosa	10.0	180	3	3	3	3	3 SE	3	Semi-mature	10+	Fair	Poor	Tree has been heavily pruned with epicormic growth seen around stem. Old pruning wounds can be seen. Tree looks to have been topped in the passed.	No works required	C 1	14.65	2.16
G01	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	9.0	100	2	2	2	2	-	2	Semi-mature	10+	Fair	Fair	Un-managed group located near boundary fence. All trees are similar age.	No works required	C 2	-	1.20
G02	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	12.0	110	3	3	3	3	-	0	Semi-mature	10+	Fair	Fair	Un-managed group of trees located near structure.	No works required	C 2	-	1.32

Tree/ Group No	Species	Height (m)	Stem diameter (mm)	N	E	S	W	Height of lowest limb and direction	Crown clearance (m)	Age class	Estimated remaining contribution	Physiological condition	Structural condition	Comments	Preliminary management recommendations	BS category	RPA (m2)	RPA radius (m)
G03	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	9.0	100	2	2	2	2	-	2	Semi-mature	10+	Fair	Fair	Un-managed group located near boundary fence. All trees are similar age.	No works required	C 2	-	1.20
G04	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	9.0	100	2	2	2	2	-	2	Young	10+	Fair	Fair	All trees are similar age. Low value regeneration.	No works required	C 2	-	1.20
G05	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	8.0	80	1	1	1	1	-	2	Young	10+	Fair	Fair	All trees are similar age. Low value regeneration.	No works required	C 2	-	0.96
G06	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	9.0	90	1	1	1	1	-	2	Young	10+	Fair	Fair	Un-managed group located near boundary fence. All trees are similar age.	No works required	C 2	-	1.08
G07	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula / Buddleia; Buddleja davidii / hawthorn; Crataegus monogyna	6.0	100	2	2	2	2	-	2	Young	10+	Fair	Fair	Un-managed group located near boundary fence. Limited access to group due to dense brambles and felled trees. Low value regeneration.	No works required	C 2	-	1.20
G08	silver birch; Betula pendula / ash; Fraxinus excelsior / goat willow; Salix caprea	14.0	100	3	1	1	1	-	1	Young	10+	Fair	Fair	Growing on bank providing screening to railway area.	No works required	C 2	-	0.96

Tree/ Group No	Species	Height (m)	Stem diameter (mm)	N	E	S	W	Height of lowest limb and direction	Crown clearance (m)	Age class	Estimated remaining contribution	Physiological condition	Structural condition	Comments	Preliminary management recommendations	BS category	RPA (m2)	RPA radius (m)
G09	goat willow; Salix caprea / silver birch; Betula pendula / holly; Ilex aquifolium / hazel; Corylus avellana / hawthorn; Crataegus monogyna	10.0	90	3	3	3	3	-	3	Young	10+	Fair	Fair	Group of trees that have been un-managed.	No works required	C 2	-	1.08
G10	goat willow; Salix caprea	11.0	250	3	3	3	3	-	2	Semi-mature	10+	Fair	Fair	Spindly self set goat willow.	No works required	C 2	-	1.08
G11	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	9.0	30, 320, 320, 320	5	2	2	2	-	3	Early mature	10+	Fair	Fair	Multi-stemmed self-seeded goat Willows at the top of the wall. Some indications of reduced vitality.	No works required	C 2	-	2.97
G12	sycamore; Acer pseudoplatanus / ash; Fraxinus excelsior	10.0	80	2	2	2	2	-	2	Young	10+	Fair	Fair	Growing on third party land, limited access to trees.	No works required	C 2	-	0.96

Appendix 2 - Trees to be removed

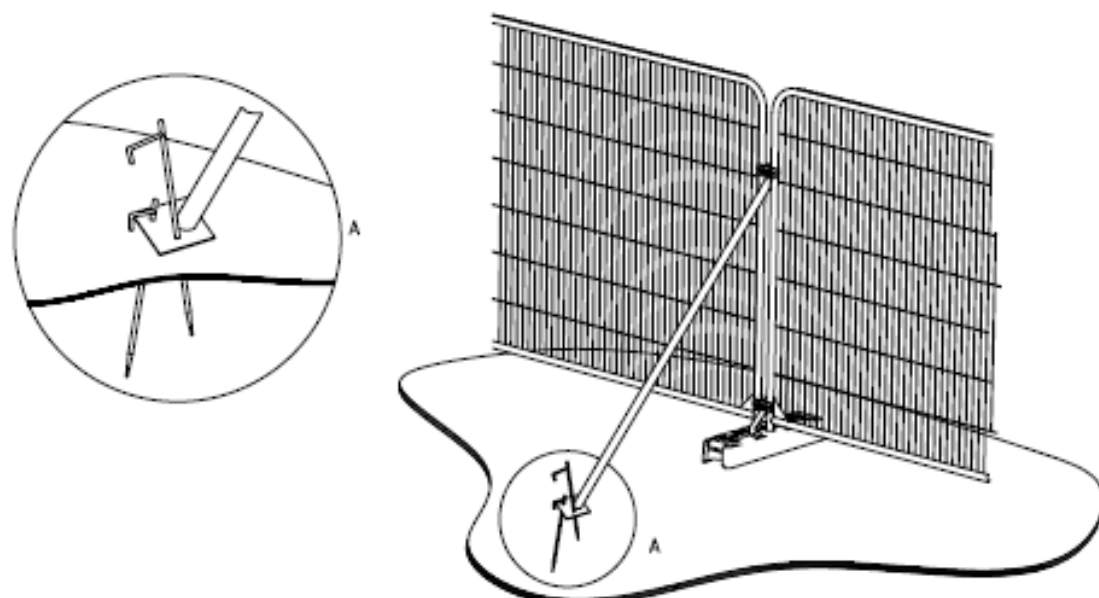
Tree /Group No	Species	BS Category	Height (m)	DBH (mm)	Reason
T10	goat willow; Salix caprea	C 1	12.0	120	To accommodate the new car park.
T11	goat willow; Salix caprea	C 1	12.0	117	To accommodate the new car park.
T12	silver birch; Betula pendula	B 1	15.0	240	To accommodate the new car park.
G01 (in part)	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	C 2	9.0	100	To accommodate the new car park.
G02	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	C 2	12.0	110	To accommodate the new car park.
G03	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	C 2	9.0	100	To accommodate the new car park.
G04 (in part)	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	C 2	9.0	100	To accommodate the new car park.
G05 (in part)	goat willow; Salix caprea / hazel; Corylus avellana / silver birch;	C 2	8.0	80	To accommodate the new car park.

Tree /Group No	Species	BS Category	Height (m)	DBH (mm)	Reason
	Betula pendula				
G06 (in part)	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula	C 2	9.0	90	To accommodate the new car park.
G07 (in part)	goat willow; Salix caprea / hazel; Corylus avellana / silver birch; Betula pendula / Buddleia; Buddleja davidii / hawthorn; Crataegus monogyna	C 2	6.0	100	To accommodate the new car park.

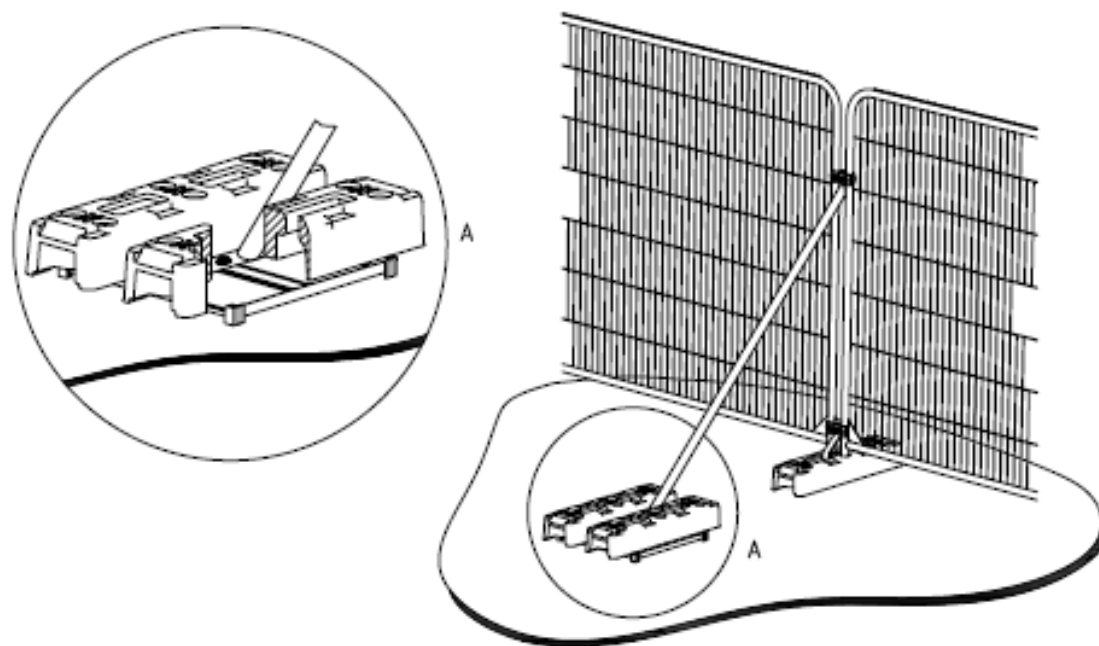
Appendix 3 - Trees to be pruned

Tree /Group No	Species	BS Category	Height (m)	DBH (mm)	Works required
T21	goat willow; Salix caprea	B 1	10.0	420	Lift the canopy to 3m above ground level on the southern side of the crown only and reduce branch tips by up to 1m on the southern side only.
T22	goat willow; Salix caprea	B 2	11.0	300	Reduce branch tips by up to 1m on the southern side only.

Appendix 4 - Specification of Tree Protection Fencing



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

Appendix 5 - Tree Protection Fencing Notice



**PROTECTIVE FENCING. THIS
FENCING MUST BE
MAINTAINED IN ACCORDANCE
WITH THE APPROVED PLANS
AND DRAWINGS FOR THIS
DEVELOPMENT.**



**TREE PROTECTION AREA
KEEP OUT !**

(TOWN & COUNTRY PLANNING ACT 1990)

**TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY
PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A
TREE PRESERVATION ORDER.
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY
LEAD TO CRIMINAL PROSECUTION**

**ANY INCURSION INTO THE PROTECTED AREA MUST BE
WITH THE WRITTEN PERMISSION OF THE LOCAL
PLANNING AUTHORITY**