



Arboricultural Consultancy
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**Revision 3 of Tree Survey
Arboricultural Impact Assessment
Arboricultural Method Statement**

Relating to:

University of Reading (planning application for boundaries
within Reading LPA)

Produced for:

University of Reading

Prepared by:

Challice Consulting Ltd.
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Date:

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Our Ref:

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APPENDICES

Appendix 1	Tree Survey Schedule with Recommended Tree Works
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INTRODUCTION

1.0 Frequently Used Key Terms and Abbreviations

Tree Preservation Order	TPO
Arboricultural Method Statement	AMS
British Standard 5837:2012 – Recommendations for Trees in Relation to Design, Demolition and Construction	BS 5837
British Standard 3998:2010 - Recommendations for Tree Work	BS 3998
Root Protection Area/Root Protection Areas	RPA/RPAs
Local Planning Authority	LPA

2.0 The Proposal

- 2.1 Remove the existing fencing and gates and replace with new painted steel fencing to match that along the Whiteknights Road side of the Campus.

3.0 Instructions and Purpose

- 3.1 This report has been commissioned by the University of Reading to;
- Visit site and survey the trees in accordance with British Standard (BS 5837) 5837:2012 - Trees in Relation to Design, Demolition and Construction- Recommendations.
 - Make suggestions to decrease the arboricultural impact of the proposed scheme on the retained trees during the design process.
 - Detail the arboricultural impact of the proposed project.
 - Prepare a tree work schedule to BS 3998:2010 - Recommendations for Tree Work.
 - Develop a tree protection strategy for the duration of the development.
- 3.2 Provision of the above information is designed to address the requirements of Reading Borough Council in terms of the arboricultural information necessary to register and determine the planning application.
- ## **4.0 Scope**
- 4.1 In surveying the trees to the requirements of BS 5837, trees on and immediately adjacent to the site have been included. Large shrubs and hedges have been included where these are considered to be of significant amenity value. These are particularly important where they provide boundary screening. For clarity and ease of data interpretation, large shrubs have been classified as trees.

- 4.2 A full hazard assessment of the trees (including the assessment of decay or defects and their impact), has not been undertaken as this is considered beyond the scope of this report. Any obvious hazards and defects have been identified in the Tree Survey Schedule and appropriate works recommended for immediate action.
- 4.3 It is the Client or their representative's responsibility to review the contents of this report to ensure it meets their requirements before it is sent to the LPA.

5.0 Documents Supplied/Used

Document	Obtained From	Format/Ref.
Existing and proposed layout plans	University of Reading	Dwg.

6.0 Site Details

- 6.1 The site relates to the eastern side of the University of Reading Whiteknights Campus buildings within Reading Borough Council (reference fence locations RF1 – RF14 inclusive).
- 6.2 There are no significant inclines in any direction that would affect the recommendations in this report.
- 6.3 The site is within the administrative jurisdiction of Reading Borough Council only.
- 6.4 I have been informed by the Client that none of the trees are protected by a TPO and none of the fencing is to be installed within a Conservation Area.

TREE SURVEY

7.0 Survey Method

- 7.1 The site and trees were inspected on 10th December 2024 and the tree data was reviewed 12th August 2026.

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7.2 The trees were inspected from ground level and no climbing inspections were undertaken.

7.3 Stem diameters and tree locations were estimated unless stated in the Tree Survey Schedule at **Appendix 1**.

8.0 Tree Details

8.1 The total number of records is as follows:

Trees (T): 23

Tree Groups (G): 21

Hedge (H): 13

8.2 The tree details and proposed works are presented in the Tree Survey Schedule with Recommended Tree Works at **Appendix 1** and tree positions are shown on the Tree Protection Plans at **Appendix 2**.

8.3 The quality and value of the tree stock has been broken down by BS 5837 quality grade. The grading system can be summarised as follows:

A Grade – trees of high quality and value with a life expectancy of more than 40 years

B Grade – trees of moderate quality and value, with a life expectancy of more than 20 years

C Grade – trees of low quality and value, with a life expectancy of more than 10 years

U Grade – trees usually for removal (unless otherwise stated), with a life expectancy of less than 10 years

Quality and Value of Existing Tree Stock

	A Grade	B Grade	C Grade	U Grade
No. of Tree Records by Grade	7	16	24	10

ARBORICULTURAL IMPACT ASSESSMENT

9.0 Introduction to Arboricultural Impact Assessment

- 9.1 This section comprises an assessment of the impact the proposed works detailed in Section 2 above have on trees. It considers the arboricultural impact and how this may be mitigated.

10.0 Tree Removal and Retention

- 10.1 The proposed scheme will require that the trees itemised in the Recommended Tree Works in **Appendix 1** and in the table below are removed. Such work will not impinge on the long-term character and appearance of the area as the trees to be removed have a stem diameter less than approximately 75mm in diameter and the scheme will be subject to the design and implementation of a comprehensive landscaping scheme including tree planting, which is normally a standard condition of planning approval.

Trees to be Removed

	A Grade	B Grade	C Grade	U Grade
Tree No(s). To be Removed	0	0	G5, T25, T28, T38, G46 and G57	T16, T17, T18, T19, T20, T21, T22, T24, T26 and T27
Development Impact	None	None	Very Low	Very Low

11.0 Tree Pruning Works

- 11.1 The tree pruning and hedge trimming has been reviewed to ensure the clearance from the proposed fence and gates can be completed without causing long term damage to the hedges or trees. The pruning described in the Tree Survey Schedule with Recommended Tree Works at **Appendix 1** will not adversely affect the trees' vitality or their contribution to local amenity as complete re-growth of the hedges is anticipated within two growing seasons.

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12.0 Incursions into Root Protection Areas

- 12.1 The table below summarises the significant incursions into the RPAs of noteworthy, retained trees. The 'Action' column details how the incursion has been mitigated and why it may be considered acceptable. Incursions may be fully invasive (where specialist methods are not used and some root loss is considered acceptable) or low invasive (where specialist methods are used to minimise damage to or loss of roots). Full details of how the works will be carried out without causing damage to the trees are given in the AMS.

Summary of Incursions into RPAs

Tree No.	Type of Incursion	Impact	Action
All trees	Low invasive to install foundations for the new fence and gates	Low	All excavations within the RPAs will be carried out by hand avoiding the removal of any roots greater than 25mm in diameter. The locations of post holes will be adjusted to avoid the removal of roots greater than 25mm in diameter which will limit root disturbance to an acceptable level (see Appendix 4 Method 1). The excavated post holes will be lined with heavy duty Polythene to prevent the harmful cement leaching into the soil and damaging the roots of the retained trees. The storage of materials and vehicles within the RPAs of the retained trees will be located on ground protection.

- 12.2 No new underground services are to be installed within the RPAs of the retained trees.

13.0 Proximity Issues and Shading

- 13.1 The shade patterns for the surveyed trees have not been plotted as this is not a constraint to this type of development.

- 13.2 The juxtaposition between retained trees and the proposed new fence is in accordance with Section 5.3 of the BS 5837 and should not lead to future pressure to heavily prune or remove retained trees.

14.0 Summary of Arboricultural Impact

- 14.1 In summary, the arboricultural impact of the proposed scheme is minor as the trees to be removed as a result of the proposed development are of low quality where tree removal will cause very little impact to the surrounding landscape.
- 14.2 The specified tree pruning complies with both BS 3998 and BS 5837 standards and aligns with common practices in urban environments.
- 14.3 The retained trees can be afforded an appropriate degree of protection in accordance with the BS 5837 as detailed in the AMS.
- 14.4 I have assessed the impact of the proposed development and it is considered to be in line with the recommendations set out in BS 5837.

ARBORICULTURAL METHOD STATEMENT

15.0 Introduction to Arboricultural Method Statement

- 15.1 To safeguard the retained trees (both above and below ground parts) during the development works and preserve the soil structure of areas which could be allocated for new planting, it will be necessary to implement the tree protection measures as detailed below.
- 15.2 A copy of this AMS shall be maintained on site at all times and made available to all site personnel.
- 15.3 All site personnel shall be made aware of the key impact of this AMS and be given an arboricultural induction by the Site Manager. An Induction Form is attached at **Appendix 5**. A copy of the Induction Form will be signed by all site personnel to confirm that they have understood the issues involved.

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- 15.4 As of 2005, Local Planning Authorities have powers to serve **Temporary Stop Notices** if agreed tree protection measures are not carried out. Adhering to this AMS will ensure that such costly and time consuming action is avoided.

16.0 Pre-Commencement Meeting

- 16.1 A pre-commencement site meeting, involving representatives from the Development Company, the Arboricultural Consultant and the LPA Tree Officer will be held to ensure that all aspects of the tree protection process are understood and agreed. A record of the meeting will be communicated to all parties by the Arboricultural Consultant within five days of the meeting.
- 16.2 Attendance at a pre-commencement site meeting and for any site supervision (see Section 27.0) is chargeable at the standard hourly rate as stated in the terms and conditions attached to the quotation for this report.

17.0 General Site Precautions

- 17.1 The following points will be observed at all times:
- o No fires will be lit on site during the construction or demolition phases.
 - o Notice boards, telephone cables or other services will not be attached to any parts of the retained trees.
 - o Materials which will contaminate the soil (e.g. diesel oil and vehicle washings) will not be permitted to migrate into the RPAs of the retained trees.
 - o A dedicated mixing and cleaning area will be set up to prevent concrete, cement and cleaning residue leaching into the RPAs of the retained trees (see Tree Protection Plans for specification).
 - o All cement/toxic materials are to be stored inside the site and not in the RPAs of any retained trees.

18.0 Tree Works

- 18.1 All tree works will be carried out in accordance with BS 3998:2010 'Recommendations for Tree Work' (as amended) and to current

arboricultural best practice. Tree works will be carried out by a suitably qualified and experienced Arboricultural Contractor holding the necessary insurance cover. This contractor should carry out the relevant site specific risk assessments and record such information prior to commencement of tasks and work in accordance with current health and safety standards, practices and legislation. A list of such contractors is available from the Arboricultural Association at www.trees.org.uk.

- 18.2 In addition, prior to the commencement of any tree works, an ecological assessment of specific trees may be required to ascertain whether protected species (e.g. nesting birds, bats, badgers and certain invertebrates) may be affected.
- 18.3 Tree ownership should be clarified in writing by the Client before any trees are removed or pruned.
- 18.4 If additional pruning of trees is required to facilitate the proposed works or access for machinery/plant, the Arboricultural Consultant will be contacted to advise on appropriate works and liaise with the LPA as necessary.

19.0 Tree Protective Fencing

- 19.1 There is no requirement for tree protective fencing as all the works will be carried out by hand without the requirement for any machinery.

20.0 Ground Protection

- 20.1 A provision has been made to install ground protection to enable material to be stored within the RPAs of the retained trees. In this instance (and unless agreed otherwise by the Tree Officer) the proprietary trackway system for traffic over 2 tonnes will be the default specification (specification shown in **Appendix 2**). The locations where the ground protection will be used will be agreed by the Arboricultural Liaison and has not been plotted on the Tree Protection Plans.

21.0 Site Access/Hard Surfaces

- 21.1 The existing vehicle and pedestrian accesses into the site are suitable for ingress and egress during construction and no damage is anticipated to the root systems of the retained trees. All vehicles will drive or park when off the highway onto inter-linked proprietary ground protection boards within the RPAs of the retained trees.

22.0 Demolition

- 22.1 The removal of the existing fence will be carried out following tree pruning by hand retaining all roots over 25mm in diameter.

23.0 Underground Services

- 23.1 There is no requirement for any services within the RPAs of the surveyed trees.

24.0 Foundations

- 24.1 The foundations for the proposed fence posts (see **Appendix 4 Method 1**) will be excavated by hand retaining all roots over 25mm in diameter by adjusting the locations of the post holes when roots are encountered. Post holes will be lined with heavy duty Polythene to prevent the harmful cement leaching into the soil and damaging the roots of the retained trees.

25.0 Hard Landscaping/Material Storage

- 25.1 There is no requirement for additional hard landscaping or hard surfacing within the RPAs of the surveyed trees.
- 25.2 The storage of all materials required to complete the construction process will be located on ground protection within the RPAs of the retained trees.
- 25.3 Subject to all of the above tree protection measures being implemented, construction works may proceed without risk of damage to the surveyed trees.

26.0 Soft Landscaping/Boundary Fencing

- 26.1 Soft landscaping will be undertaken when heavy machinery has been removed from site. The following points will be observed:
- Care will be taken not to compact the soil within the RPAs of the retained trees or where new tree planting is to be carried out.
 - No changes in ground levels will occur.
 - Unwanted vegetation will be removed manually or using contact herbicides that will not damage existing tree roots.
 - No irrigation or drainage pipes will be installed within the RPAs of the retained trees.

27.0 Sequencing/Supervision, Responsibility and Incident Reporting

- 27.1 Effective tree protection relies on following a logical sequence of events and arboricultural inspection/supervision.
- 27.2 All the works detailed in this report which have the potential to affect trees will be supervised by the Arboricultural Liaison. Inspection visits will also be undertaken to ensure that tree protection measures are being adhered to. The final details of supervision and the frequency of inspection visits will be agreed with the Tree Officer at the pre-commencement meeting. The Arboricultural Liaison will make a record of all the supervision and monitoring visits which will be attached to the site copy of the AMS for inspection and communicated in writing to the LPA. An example of the Site Inspection Record is found in **Appendix 3**.
- 27.3 Daily inspection of the physical tree protection measures will be carried out by the on-site Arboricultural Liaison, who does not have to be a trained Arborist, but will be responsible for the implementation of the approved tree protection. Any deviation from the approved methodologies will need to be agreed by the Arboricultural Consultant who may need to visit site to authorise the revised tree protection measures. It is the responsibility of the Client or the Arboricultural Liaison to instruct the Arboricultural Consultant to attend site for the key events requiring supervision or monitoring. Any required modifications to the tree protection measures, building techniques or access arrangements within the crowns or RPAs of

any trees will be communicated in writing to both the appointed Arboricultural Consultant and the Tree Officer before the changes occur.

- 27.4 Any damage to stems, branches or any size roots of the retained trees will be reported immediately by email and telephone by the Arboricultural Liaison to the Arboricultural Consultant. The Arboricultural Liaison will take photographs of the damage and send these to the Arboricultural Consultant who will visit site to assess the scale of the damage and report to the LPA Tree Officer. Mitigation for the damage will be agreed with the LPA Tree Officer.

Sequencing and Supervision

Stage	Action/Task	Personnel Responsible
1.	Issue arboricultural report to site manager	Client/Developer
2.	Give the Arboricultural Consultant (AC) and the Local Authority Tree Officer at least a week's notice of pre-commencement meeting	Client/Developer
3.	Arboricultural induction and appointment of the Arboricultural Liaison	Site Manager
4.	Carry out tree works (the Client is to establish tree ownership and protection status in writing before any tree works are carried out)	Site Manager, Arboricultural Liaison
5.	Pre-commencement meeting	AC, Tree Officer, Client, Site Manager, Arboricultural Liaison
6.	Construct new fence and gates (Arboricultural Liaison to supervise and monitor)	Arboricultural Liaison, Site Manager, AC where required
7.	Carry out soft landscaping	Site Manager or Arboricultural Liaison to brief landscaping company on site and supervise

28.0 Amendments

- 28.1 Issues sometimes arise on development sites which require amendments to the previously agreed tree protection details. Any amendments to this

AMS will be discussed with the Arboricultural Consultant and approved in writing by the LPA prior to being implemented. Copies of paperwork relating to any amendments shall be attached to the site copy of the AMS to provide a definitive record of what has been agreed.

Appendix 1

Tree Survey Schedule with Recommended Tree Works

Our Ref: AR6057

Surveyor: Mr. David Challice

Date Surveyed: 12/08/2026

BS Cat	No. Records
A	7
B	16
C	24
U	10
	Total = 57

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
G1	Mixed species	Height (m): 18 Stem Diam(mm): 500 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 1253 sq m.	Mixture of mainly native mature trees with native understorey trees.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
T2	Norway maple	Height (m): 16 Stem Diam(mm): 600 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 1 Lowest Branch (m): 1(N) Life Stage: Mature Useful Life: 40+ Years	B2	Radius: 7.2m. Area: 163 sq m.	Mixture of mainly native mature trees with native understorey trees and regularly trimmed hedges providing good screening of the boundary that should be retained.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
H3	Lawson cypress x30	Height (m): 2 30 stems, avg.(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 56 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Low RPA: Circular	No works proposed.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
H4	Lawson cypress x30	Height (m): 2 30 stems, avg.(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 61 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Low RPA: Circular	No works proposed.
G5	Sycamore x2 Goat willow	Height (m): 2 3 stems, avg.(mm): 50 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Young Useful Life: 40+ Years	C2	Area: 50 sq m.	Young trees growing through the existing fence.	Growth Vitality: Good Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove trees. Before development commences.
G6	Mixed species	Height (m): 16 Stem Diam(mm): 600 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 271 sq m.	Mixture of mainly native mature trees with young newly planted understorey trees.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence and cut back by 1m by removing branches no larger than 50mm in diameter. Before development commences.
G7	Mixed species	Height (m): 16 Stem Diam(mm): 600 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 1664 sq m.	Mixture of mainly native mature trees with Laurel and young newly planted understorey trees.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 1m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
G8	Mixed species	Height (m): 18 Stem Diam(mm): 700 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 1392 sq m.	Mixture of mainly native mature trees with Laurel and young newly planted understorey trees.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 1m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
H9	Common beech	Height (m): 1 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 56 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Low RPA: Circular	Development: Trim back the hedge by approximately 300mm on the northeast side. Before development commences.
G10	Lime	Height (m): 7 Stem Diam(mm): 150 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 1 Lowest Branch (m): 1(N) Life Stage: Semi Mature Useful Life: 40+ Years	C2	Area: 111 sq m.	Newly planted trees.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	No works proposed.
G11	Lime	Height (m): 7 Stem Diam(mm): 150 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 1 Lowest Branch (m): 1(N) Life Stage: Semi Mature Useful Life: 40+ Years	C2	Area: 111 sq m.	Newly planted trees.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	No works proposed.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
H12	Common beech	Height (m): 1 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 155 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Low RPA: Circular	Development: Trim back the hedge by approximately 300mm on the north side. Before development commences.
G13	Mixed species	Height (m): 3 Stem Diam(mm): 150 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 1 Lowest Branch (m): 1(N) Life Stage: Young Useful Life: 40+ Years	C2	Area: 111 sq m.	Newly planted trees.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 1m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
G14	Mixed species	Height (m): 16 Stem Diam(mm): 600 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 7238 sq m.	Mixture of mainly native mature trees.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 1m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
T15	Ash	Height (m): 17 Stem Diam(mm): 700 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 1 Lowest Branch (m): 1(N) Life Stage: Mature Useful Life: 40+ Years	B2	Radius: 8.4m. Area: 222 sq m.	Mixture of mainly native mature trees with native understorey trees and regularly trimmed hedges providing good screening of the boundary that should be retained.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	No works proposed.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
T16	Elm	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
T17	Holly	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
T18	Elm	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
T19	Elm	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
T20	Field maple	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
T21	Elm	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
T22	Field maple	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
H23	Laurel	Height (m): 2 Stem Diam(mm): 150 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 20+ Years	C2	Radius: 1.8m. Area: 836 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the hedge by approximately 300mm on the south side. Before development commences.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
T24	Elm	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Dead stump growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
T25	Holm oak	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: 40+ Years	C2	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
T26	Elm	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
T27	Elm	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	U	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
T28	Holm oak	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: 40+ Years	C2	Radius: 0.6m. Area: 1 sq m.	Tree growing through the existing fence.	Growth Vitality: Poor Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
G29	Mixed species	Height (m): 18 Stem Diam(mm): 600 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 2309 sq m.	Mixture of mainly native mature trees with native understorey and newly planted trees.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
G30	Mixed species	Height (m): 3 Stem Diam(mm): 150 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Area: 608 sq m.	Group consists of mainly self sown native trees forming a tight trimmed group.	Growth Vitality: Fair Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the trees by approximately 300mm on the east and west sides by removing branches no larger than 50mm in diameter. Before development commences.
T31	Pedunculate oak	Height (m): 19 Stem Diam(mm): 1100 Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 4 Lowest Branch (m): 2(N) Life Stage: Mature Useful Life: 40+ Years	A2	Radius: 13.2m. Area: 547 sq m.	Tree is located off site. Significant deadwood over 25mm in diameter over low target area that should be retained for wildlife habitat.	Growth Vitality: Good Structural Condition: Fair Landscape Contribution: Very High RPA: Circular	No works proposed.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
G32	Lime x30	Height (m): 18 30 stems, avg.(mm): 600 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 4552 sq m.	Trees that are well maintained with insignificant defects.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
G33	Mixed species	Height (m): 18 Stem Diam(mm): 400 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 1042 sq m.	Trees with insignificant defects.	Growth Vitality: Fair Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
G34	Monterey pine x2	Height (m): 17 2 stems, avg.(mm): 1200 Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Veteran Useful Life: 40+ Years	A2	Area: 512 sq m.	Two trees growing as a pair close to the site entrance.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Very High RPA: Circular	No works proposed.
G35	Mixed species	Height (m): 18 Stem Diam(mm): 700 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 422 sq m.	Trees with insignificant defects.	Growth Vitality: Fair Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
G36	Sycamore Western white pine	Height (m): 16 2 stems, avg.(mm): 450 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 302 sq m.	Trees with insignificant defects.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
H37	Common beech	Height (m): 2 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 155 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the hedge by approximately 500mm on the northwest side. Before development commences.
T38	Hornbeam	Height (m): 2 Stem Diam(mm): 50 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Semi Mature Useful Life: <10 years	C2	Radius: 0.6m. Area: 1 sq m.	Tree growing close to the existing fence.	Growth Vitality: Fair Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove tree. Before development commences.
H39	Common beech	Height (m): 2 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 733 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the hedge by approximately 500mm on the northwest side. Before development commences.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
H40	Common beech	Height (m): 2 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 325 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the hedge by approximately 500mm on the northwest side. Before development commences.
T41	Holly	Height (m): 6 3 stems, avg.(mm): 400 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1 Lowest Branch (m): 1(N) Life Stage: Mature Useful Life: 20+ Years	B2	Radius: 8.3m. Area: 216 sq m.	Numerous cavities suitable for Bat roosting. Suppressed by adjacent London plane.	Growth Vitality: Fair Structural Condition: Fair Landscape Contribution: Moderate RPA: Circular	Development: Cut back by approximately 0.5m adjacent to the proposed fence by removing branches no larger than 30mm in diameter. Before development commences.
T42	London plane	Height (m): 24 Stem Diam(mm): 1100 Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 2 Lowest Branch (m): 5(N) Life Stage: Mature Useful Life: 40+ Years	A2	Radius: 13.2m. Area: 547 sq m.	A tree with insignificant defects.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Very High RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 0.5m adjacent to the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
G43	Horse chestnut Lime	Height (m): 18 2 stems, avg.(mm): 600 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 267 sq m.	Trees with insignificant defects.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 0.5m adjacent to the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
T44	Lime	Height (m): 18 Stem Diam(mm): 700 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2 Lowest Branch (m): 5(N) Life Stage: Mature Useful Life: 40+ Years	A2	Radius: 8.4m. Area: 222 sq m.	A tree with insignificant defects.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 0.5m adjacent to the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
T45	Broad-leaved lime	Height (m): 18 Stem Diam(mm): 700 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2 Lowest Branch (m): 5(N) Life Stage: Mature Useful Life: 40+ Years	A2	Radius: 8.4m. Area: 222 sq m.	A tree with insignificant defects.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 0.5m adjacent to the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
G46	Hornbeam x2 Sycamore	Height (m): 2 3 stems, avg.(mm): 50 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Young Useful Life: 20+ Years	C2	Area: 105 sq m.	Growing adjacent to the existing hedge.	Growth Vitality: Fair Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove trees. Before development commences.
H47	Common beech (50%) Elm x20 Holly (30%)	Height (m): 2 22 stems, avg.(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 204 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the hedge by approximately 500mm on the north side. Before development commences.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
H48	Elm x20 Common beech (50%) Holly (30%)	Height (m): 1.5 22 stems, avg.(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 292 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the hedge by approximately 500mm on the north side. Before development commences.
T49	Pedunculate oak	Height (m): 19 Stem Diam(mm): 1100 Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 1 Lowest Branch (m): 2(N) Life Stage: Veteran Useful Life: 40+ Years	A2	Radius: 16.5m. Area: 855 sq m.	Prominent tree in the landscape with numerous features associated with a tree of this size and age.	Growth Vitality: Good Structural Condition: Fair Landscape Contribution: Very High RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence by pruning two branches no larger than 150mm in diameter. Before development commences.
H50	Elm x20 Common beech (50%) Holly (30%)	Height (m): 1.5 22 stems, avg.(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 146 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the hedge by approximately 500mm on the north side. Before development commences.
H51	Elm x20 Common beech (50%) Holly (30%)	Height (m): 1.5 22 stems, avg.(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 146 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the hedge by approximately 500mm on the north side. Before development commences.

Tree Survey Schedule with Recommended Tree Works

No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
T52	Western white pine	Height (m): 22 Stem Diam(mm): 700 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 1 Lowest Branch (m): 1(N) Life Stage: Mature Useful Life: 40+ Years	A2	Radius: 8.4m. Area: 222 sq m.	A tree with insignificant defects. Sycamore understorey.	Growth Vitality: Fair Structural Condition: Good Landscape Contribution: High RPA: Circular	Development: Crown lift to approximately 2.5m over the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
G53	Lime Horse chestnut	Height (m): 18 2 stems, avg.(mm): 600 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 1137 sq m.	Trees with insignificant defects.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 0.5m adjacent to the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
G54	Lime Horse chestnut	Height (m): 18 2 stems, avg.(mm): 600 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Mature Useful Life: 40+ Years	B2	Area: 1832 sq m.	Trees with insignificant defects.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Crown lift to approximately 2.5m and cut back by approximately 0.5m adjacent to the proposed fence by removing branches no larger than 50mm in diameter. Before development commences.
T55	Corsican pine	Height (m): 19 Stem Diam(mm): 710 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 8 Lowest Branch (m): 4(N) Life Stage: Mature Useful Life: 20+ Years	C2	Radius: 8.5m. Area: 227 sq m.	Thinning crown.	Growth Vitality: Fair Structural Condition: Fair Landscape Contribution: High RPA: Circular	No works proposed.

Tree Survey Schedule with Recommended Tree Works

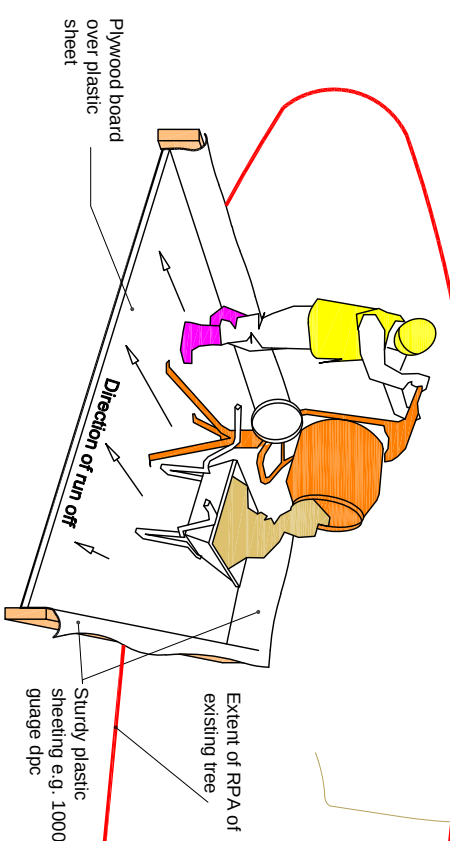
No.	Species	Measurements	BS Cat	RPA	Tree Observations	Tree Assessments	Recommendations
H56	Elm x20 Common beech (50%) Holly (30%)	Height (m): 1.5 22 stems, avg.(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Lowest Branch (m): 0(N) Life Stage: Early Mature Useful Life: 20+ Years	C2	Radius: 1.2m. Area: 317 sq m.	Regularly trimmed hedge.	Growth Vitality: Good Structural Condition: Good Landscape Contribution: Moderate RPA: Circular	Development: Trim back the hedge by approximately 500mm on the north side. Before development commences.
G57	Field Maple x1 Hawthorn x1	Height (m): 2 3 stems, avg.(mm): 50 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Young Useful Life: 40+ Years	C2	Radius: 0.6m. Area: 1 sq m.	Young trees growing through the existing fence.	Growth Vitality: Good Structural Condition: Fair Landscape Contribution: Low RPA: Circular	Development: Remove trees. Before development commences.

Key for the Tree Survey Schedule with Recommended Tree Works

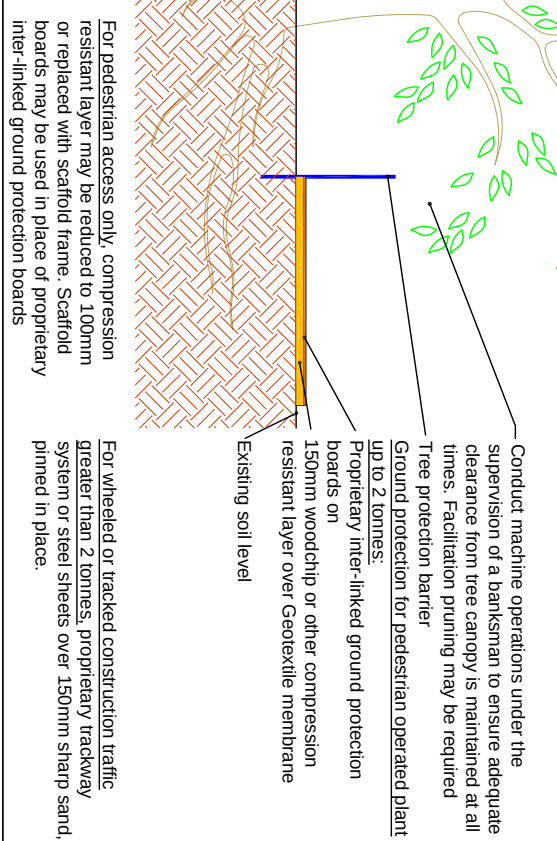
- **No.** refers to the tree reference number and the prefix of **T** (single tree), **G** (tree or shrub group), **H** (hedge) or **W** (woodland).
- **Species** refers to the tree's common name.
- **Measurements** include: **Height** describes the height of the tree measured in meters (m) from ground level. **Stem Diam(mm)** is the diameter of the stem measured in millimeters at 1.5m from ground level unless otherwise stated. The stem diameter may be estimated (#) where access is restricted or an average (avg) taken for groups or multi-stemmed trees with more than five stems. The number of stems is also indicated. **Spread** refers to the crown radius in meters from the stem centre and can be labelled as the four compass points of N, E, S, W unless symmetrical. **Crown Clearance** refers to the lowest point of the crown height in meters above ground level, lowest branch is the height of the first significant branch and the cardinal point to which it is growing. **Lowest Branch. Life Stage. Useful Life** is the tree's estimated remaining contribution in years.
- **BS Cat** refers to British Standard 5837:2012 Table 1 and refers to tree/group quality and value. **A** (high), **B** (moderate), **C** (low) or **U** (remove if within site ownership or control). The sub-category is the number next to the BS Cat and refers to the retention criteria values where 1 is Arboricultural, 2 is Landscape and 3 is Cultural including Conservational, Historic and/or Commemorative.
- **RPA** is the radial root protection distance measured in meters from the trunk centre and the root protection area in square meters. The RPA will be modified to account for site features such as hard surfacing and building foundations where necessary.
- **Tree Observations** provide additional information where it is necessary.
- **Tree Assessments** include: **Growth Vitality** - Good, Fair, Poor or Dead. **Structural Condition** - Good, Fair, Poor or Hazardous. **Landscape Contribution** - Very High, High, Moderate or Low. **RPA** may be modified to account for site features or circular.
- **Recommendations** details the reason why the tree works have been specified and the timescale (from the survey date) that the tree works should be completed.

Appendix 2

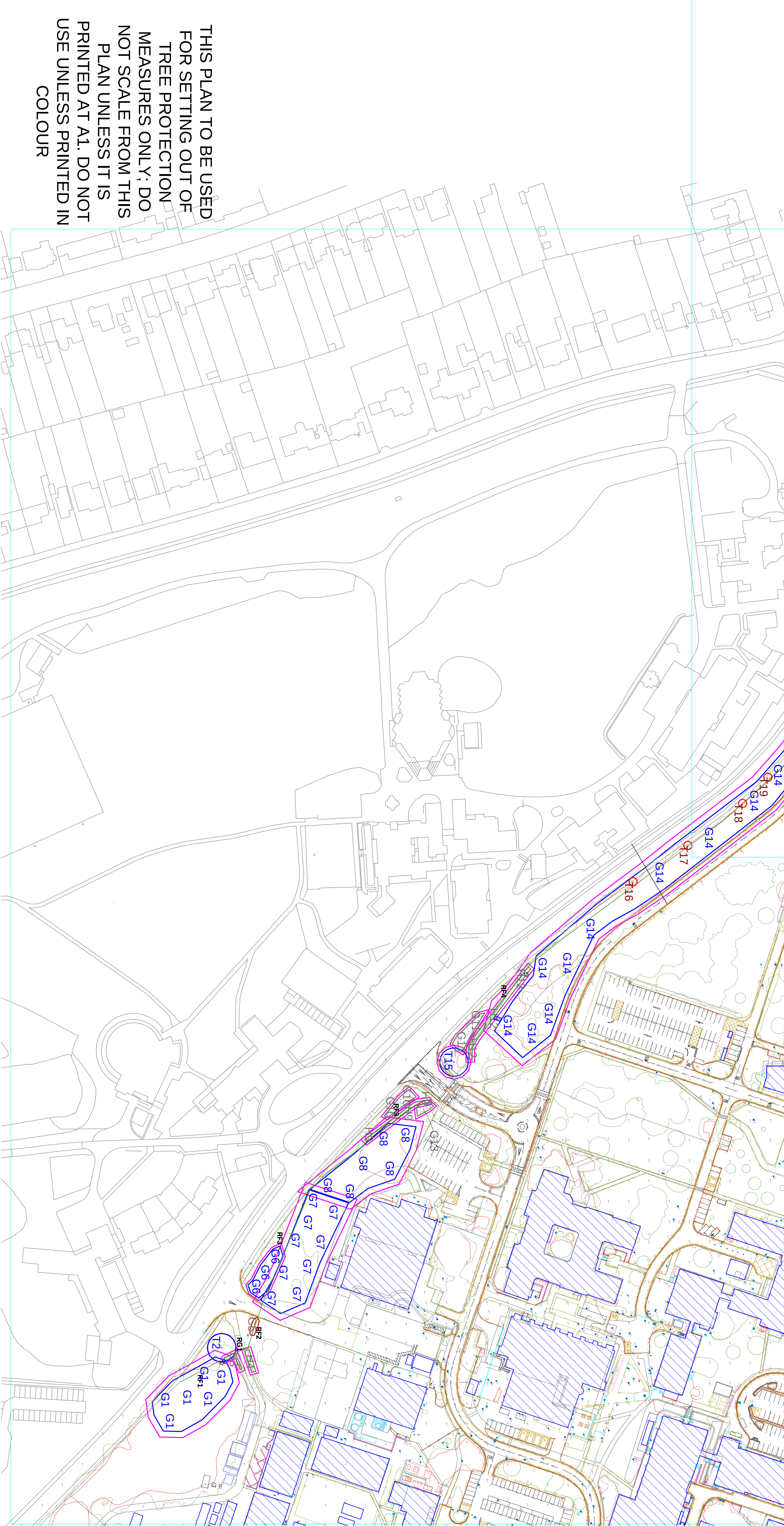
Dedicated mixing and cleaning area



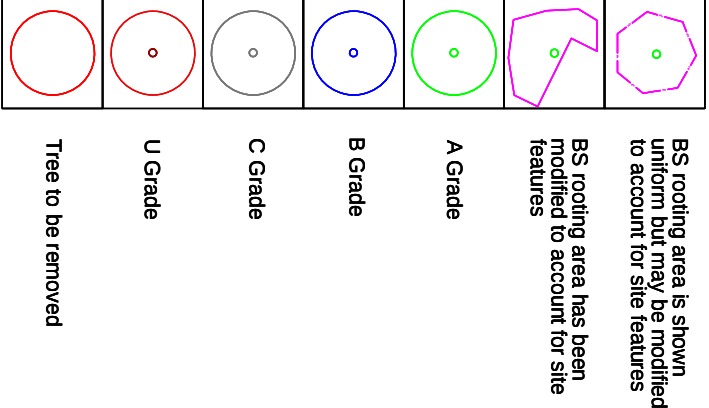
Ground Protection Detail



For scheduled or protected construction plants or equipment, the ground protection should be made of 150mm thick plywood or other compression resistant layer over adequate hardcore. The ground protection should be made of 150mm thick plywood or other compression resistant layer over adequate hardcore. The ground protection should be made of 150mm thick plywood or other compression resistant layer over adequate hardcore.



KEY:



Plant to be printed in colour and to scale

DRAWING TITLE

Tree Protection Plan 1 of 3

PROJECT

University of Reading
(planning application
boundaries Reading LPA)

DATE

A1@1:1000 27.08.2026

D.C.

REV

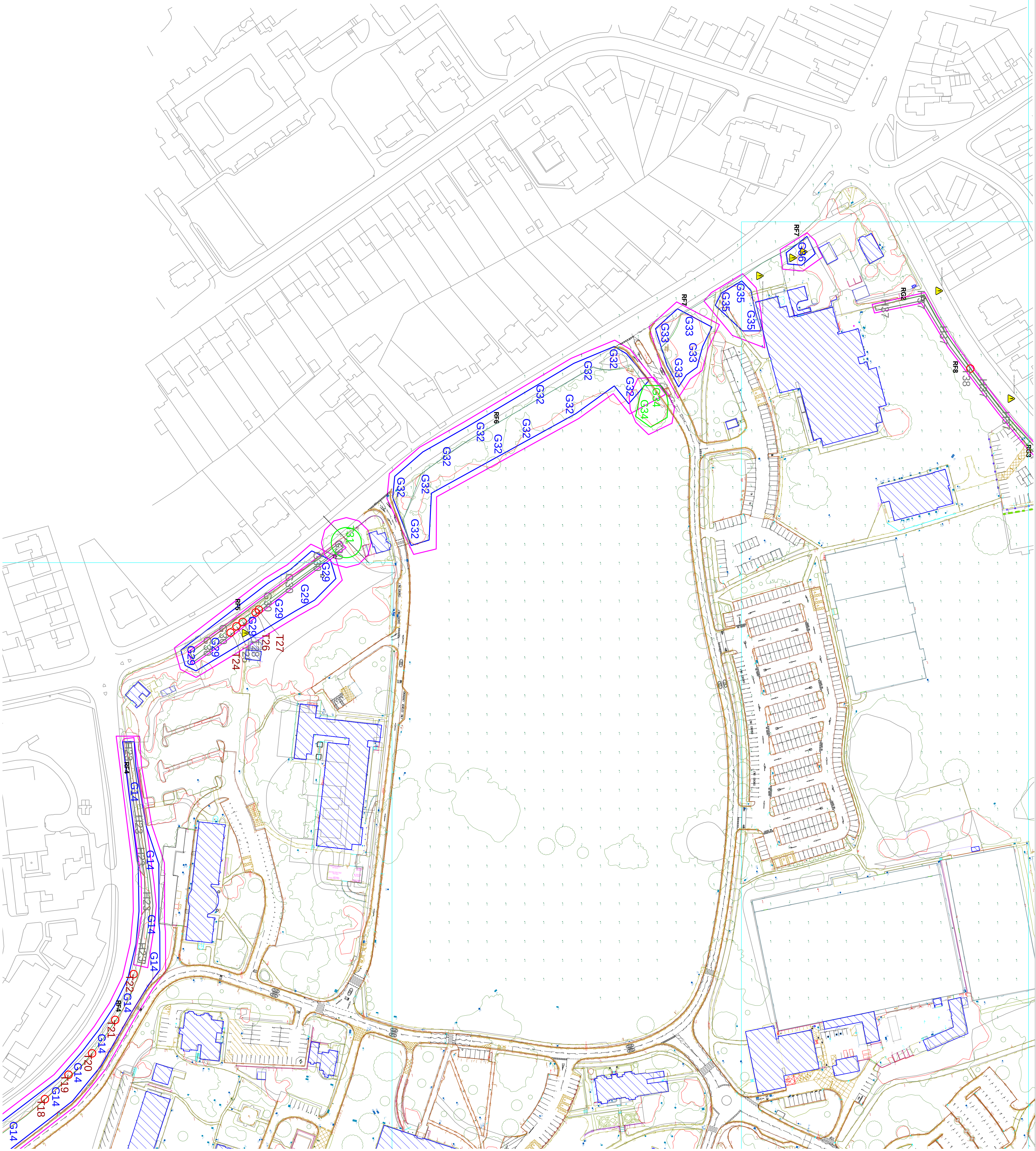
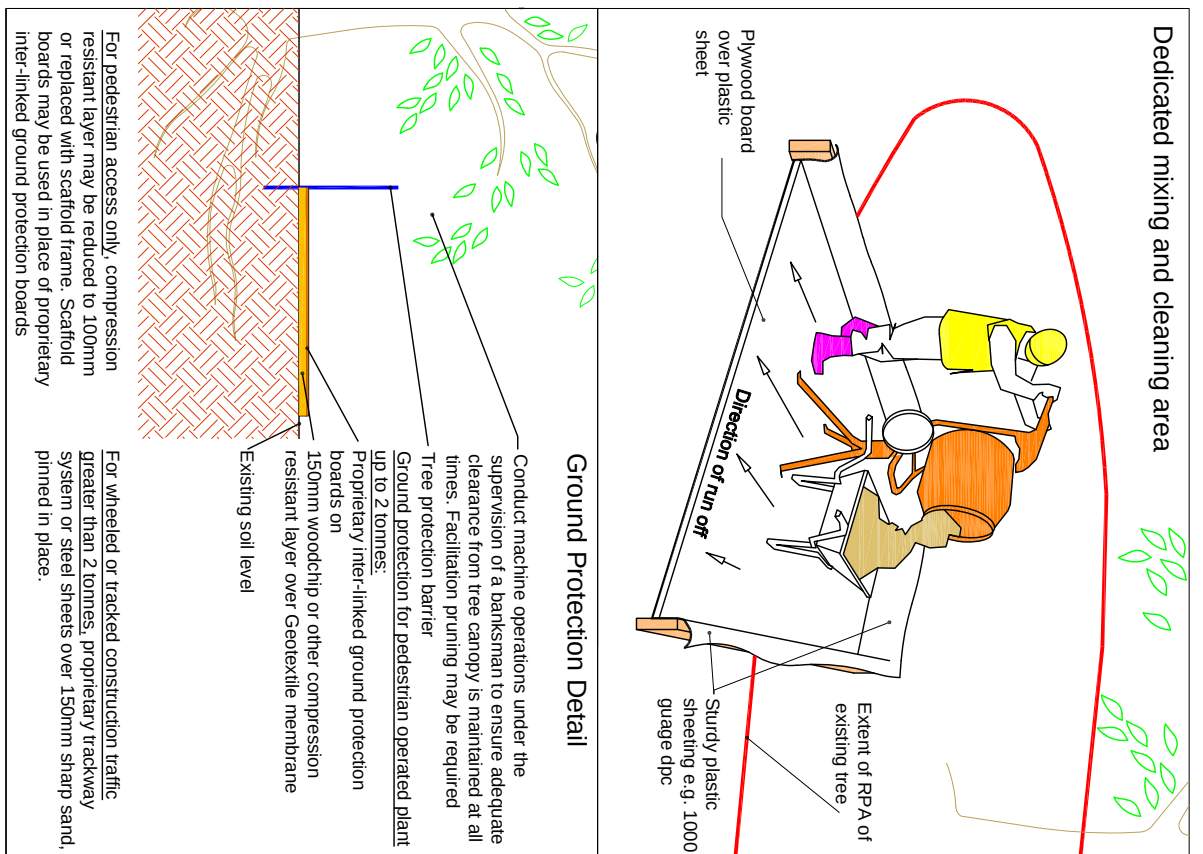
2

DRAWING NUMBER

TPP-AR6057



Challie Consulting Ltd.
Hollinwood Farm Grange
Hollinwood Road
North Hollinwood
Salford
M45 4LP
Tel: 01306 743374
Email: info@challieconsulting.co.uk
Web: www.challieconsulting.co.uk



	A Grade
	B Grade
	C Grade
	U Grade
	Tree to be removed

KEY:

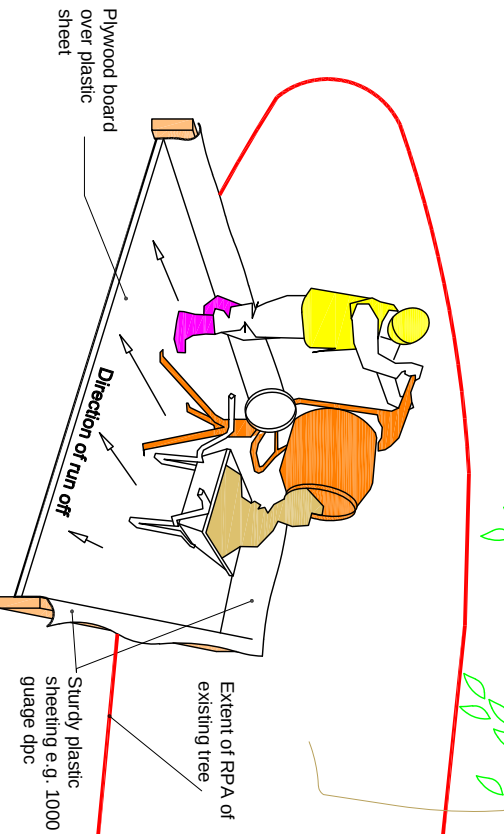


Plan to be printed in colour and to scale	DATE	SCALE	PROJECT
DRAWING TITLE	27.08.2026	1:1000	Tree Protection Plan 2 of 3
			University of Reading (planning application boundaries Reading LPA)
		DRAWN BY	
		1	
		CHECKED BY	
		2	
		APP-AR6057	

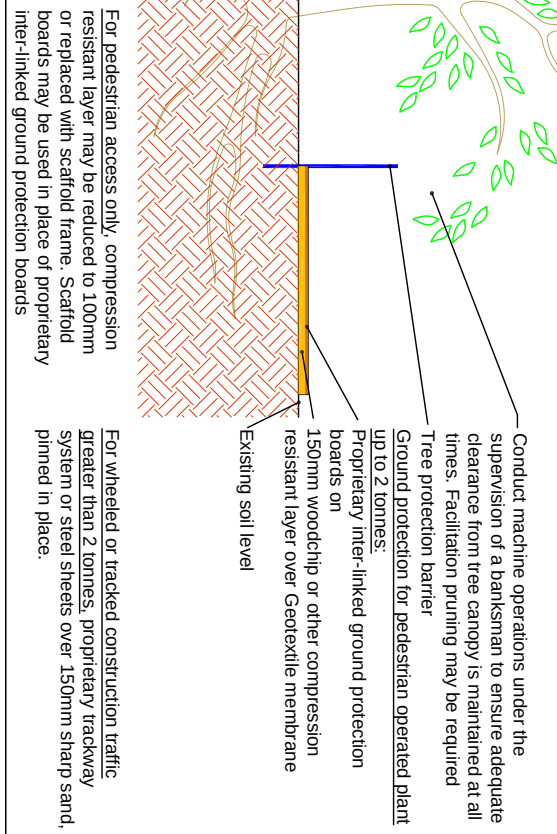
Chaffice
Consulting Ltd.

Chalice Consulting Ltd.
Holmwood Farm Grange
Horsham Road
North Holmwood
Dorking
Surrey
RH5 4JR
Tel: 01306 743374
Email: info@chaliceconsulting.co.uk
Web: www.chaliceconsulting.co.uk

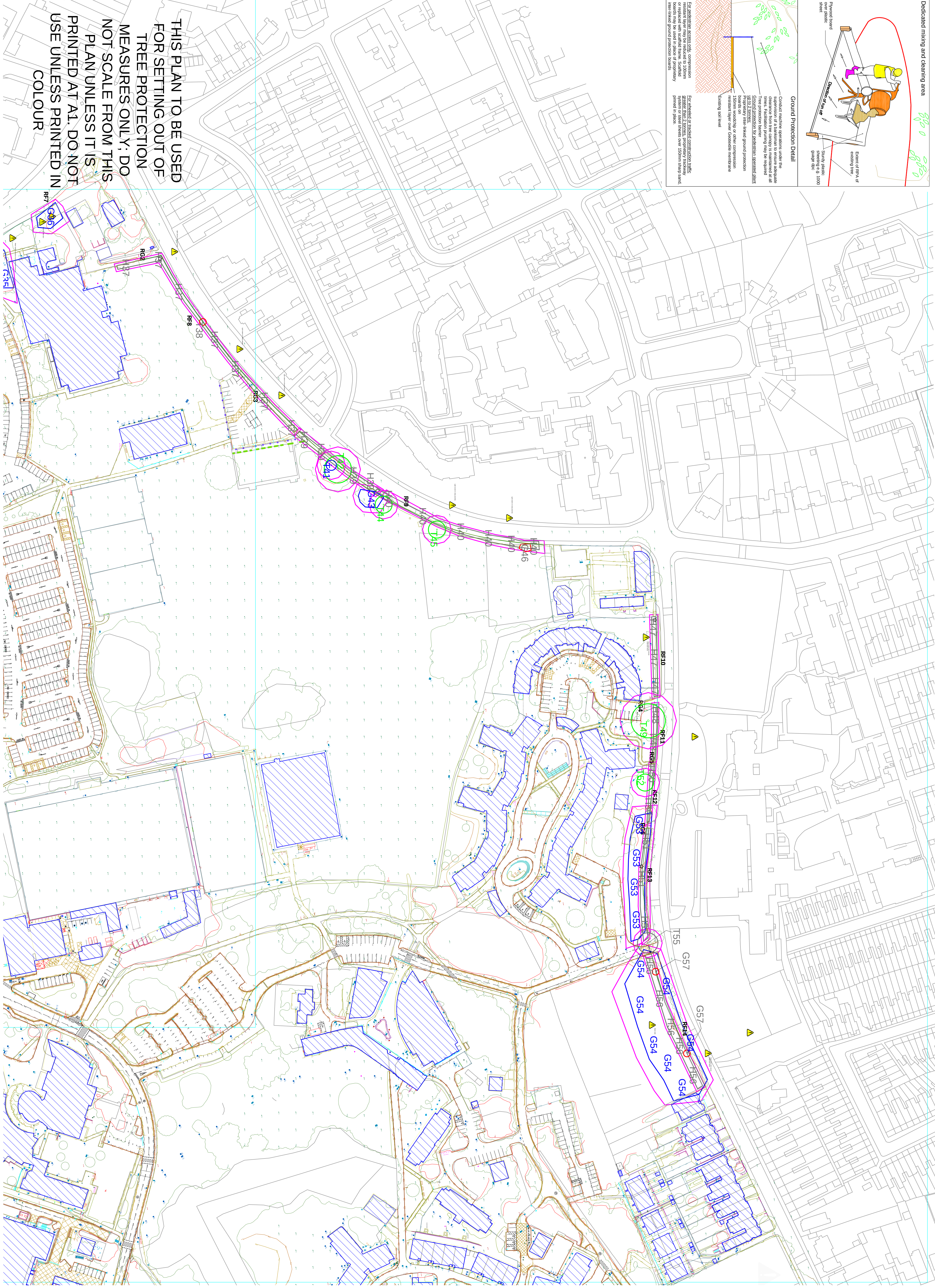
Dedicated mixing and cleaning area



Ground Protection Detail



THIS PLAN TO BE USED
FOR SETTING OUT OF
TREE PROTECTION
MEASURES ONLY; DO
NOT SCALE FROM THIS
PLAN UNLESS IT IS
PRINTED AT A1. DO NOT
USE UNLESS PRINTED IN
COLOUR



KEY:

- BS rooting area is shown uniform but may be modified to account for site features
- BS rooting area has been featured to account for site features
- A Grade
- B Grade
- C Grade
- U Grade
- Tree to be removed

Plant to be printed in colour and to scale

DRAWING TITLE

Tree Protection Plan 3 of 3

UNIVERSITY OF READING

(planning application boundaries Reading LPA)

SCALE: A1@1:1000 27/08/2026

DATE: 27/08/2026

VERSION: 1.0

PROJECT: CHALLICE CONSULTING LTD

HOLMWOOD FARM GARAGE

NORTH HORNWOOD

DORKING

SURREY

RHS 43R

TEL: 01306 743374

EMAIL: info@challiceconsulting.co.uk

WEB: www.challiceconsulting.co.uk

Appendix 3



Arboricultural Consultancy
Holmwood Farm Grange Horsham Road North Holmwood Dorking Surrey RH5 4JR
Tel: 01306 743374 Email: info@challiceconsulting.co.uk Web: www.challiceconsulting.co.uk

(Sample) Arboricultural Site Supervision Record

Our Ref: ARxxxx

Site: xxxx

Application Number: xxxx/xxxx

Proposal: Front boundary wall, entrance gates and hard and soft landscaping.

Inspected by: Mr. David Challice

Date of Inspection: xx/xx/xxxx

Client: Mr. xxxx

Site Contact: Mr. xxxx

Local Authority: xxxx

Persons Present:

Mr. David Challice - Tree Consultant

Mr. xxxx – Landscape Architect

Tree Protective Fencing:

The tree protective fencing was installed according to the approved documentation.

Photograph of the Tree Protective Fencing



Works Within the Construction Exclusion Zone:

During the site meeting, the screw piles were installed under arboricultural supervision to discharge Condition 6 of the planning application reference xxxx/xxxx (drawing reference xxxxxx-x) for the approved boundary wall. This was undertaken as per the agreed specification to protect the roots of the off site hedge G8.

Photograph of the Screw Pile Installation within the Rooting Areas of Off Site Trees**Amendments to the Approved Arboricultural Documentation:**

There is no requirement for any amendments to the approved arboricultural documentation.

Remedial Work:

There is no requirement for any remedial tree works at this time as all the tree protective measures were installed according to the approved documentation.

General Comments:

I recommend that no further arboricultural site monitoring is required for this project. This report should be emailed by the Client to the Local Planning Authority.

Date of the Next Arboricultural Inspection:

No further arboricultural inspections are required.

Appendix 4

Hand Digging Methodology within Root Protection Areas

Introduction:

- Trees need roots to stay upright and to obtain water and nutrients from the soil.
- Any excavation within the Root Protection Area of a tree may affect its stability and health.
- Roots over 25mm in diameter are likely to be of particular structural significance.
- Roots less than 25mm in diameter are likely to be important to the tree for survival and structural significance. Cutting many small roots may have an impact on tree health and stability.
- Most tree roots are within 0.6m - 1m from the soil surface.
- Desiccation and exposure to rapid temperature change is likely to cause root death.
- Hand digging carried out correctly is less likely to damage tree roots than digging with machinery.
- Whether digging is acceptable and how it should be carried out depends on tree species and characteristics (age, vigour, past management etc.).
- Site conditions are also important when deciding whether digging is acceptable (soil type, ground levels, existing structures etc.).
- Carry out a suitable risk assessment prior to starting work. In particular, take care when working in the vicinity of underground services.

Why/What For:

- Service installation/maintenance
- Demolition
- Foundations
- Hard surface installations
- Fencing
- Decay detection

Relevant Documents:

- British Standard 5837:2012 - Section 7.2 - Trees in Relation to Design, Demolition and Construction – Recommendations.
- Street Works UK: Publications Volume 4 – Guidelines for the Planning, Installation, and Maintenance of Utility Apparatus in Proximity to Trees Issue 3: 2026.

Principles:

The key principles are as follows:

- Avoid compaction of the soil when carrying out the works.
- Undertake all works by hand avoiding the use of any machinery.
- Sever as few roots as possible.

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- Do not leave damaged or poorly cut roots as these are likely to lead to decay in the future.
- Do not let exposed roots dry out.
- Do not use materials containing harmful chemicals or salt as these will harm the trees (including builders' sand).

How/What to Use:

Method 1 - Hand Digging Retaining all Roots Above 25mm in Diameter to British Standard 5837:2012 Section 7.2:

- Hand tools (shovel, spade, wheelbarrow, soft brush and trowel).
- Brush (it is useful to brush away loose soil from exposed roots prior to cutting them).
- Secateurs/sharp pull-saw (roots that need to be cut must be cut cleanly using suitable hand tools).
- Damp Hessian sacking (this should immediately cover the sides of the trench down to a depth of 1m below ground level and is effective in preventing roots drying out following excavation).
- Suitable back-fill (covering the exposed or cut roots with a 100mm layer of topsoil or a mixture of 50% composted organic matter and 50% un-compacted sharp sand is suitable).

Method 2 - Hand Digging Removing all Roots to a Depth of 1m Below Ground Level to British Standard 5837:2012 Section 7.2:

- Hand tools (shovel, spade, wheelbarrow, soft brush and trowel).
- Brush (it is useful to brush away loose soil from exposed roots prior to cutting them).
- Secateurs/sharp pull-saw (roots that need to be cut must be cut cleanly using suitable hand tools).
- Damp Hessian sacking (this should immediately cover the sides of the trench down to a depth of 1m below ground level and is effective in preventing roots drying out following excavation).
- Suitable back-fill (covering the exposed or cut roots with a 100mm layer of topsoil or a mixture of 50% composted organic matter and 50% un-compacted sharp sand is suitable).
- Excavations below 1m from ground level can be carried out using an excavator or similar due to health and safety requirements.

Appendix 5

Induction Form for all Site Personnel:

Site Name:

- I have had explained to me by the Site Manager the key implications of the Arboricultural Method Statement relating to the development at the above site.
- I am aware that the tree protective fencing must remain in its original position and must not be moved without the approval of the appointed Arboricultural Consultant.
- I understand that certain operations must be supervised by the appointed Arboricultural Consultant and that these operations must not start until the consultant is present and has given approval.
- I confirm that I will bring any concerns about potential damage to trees to the attention of the Site Manager.
- I am aware that I must not cause damage to any of the retained trees on or adjacent to the site. Damage may be caused by direct means (i.e. physical damage caused to roots or the trunk/branches of the tree) or by indirect means (e.g. by fire or toxic materials entering the rooting environment of the tree).

Print Name:

Sign Name:

Date: