



ROAVR | GROUP

Project: 25_5837_07_112
Site: 33A Church Lane, Clayton West
Client: Erica Byram



Project Number:	25_5837_07_112
Report Type:	Arboricultural method statement and tree protection plan
Site Address:	33A Church Lane, Clayton West

Role:	Name:	Date:
Instructing Party	Erica Byram	31/07/2025
Client	Erica Byram	31/07/2025
Consultant	Peter Haine FDS Arb, MArborA	01/08/2025

Revision History		
Date:	Version number:	Summary of changes:
01/08/2025	1.0	First Review (Internal)
01/08/2025	1.0	First Issue

Validation Statement for the Local Planning Authority.

This report includes the following for LPA validation purposes:

- An **arboricultural method statement** to BS5837 which specifies tree protection measures and implementation strategy
- **Appendices** including the **tree protection plan**

Arboricultural method statement

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Validation Statement for the Local Planning Authority.

This report includes the following for LPA validation purposes:

- An **arboricultural method statement** which specifies tree protection measures and implementation strategy
- **Appendices** including the **tree protection plan**

1. Method Statement [Introduction and Overview]

This AMS sets out how Trees T1 (Lime) and T2 (Horse Chestnut) will be protected during the construction of a car port and driveway. It includes detailed method statements for the installation of screw pile foundations and the no-dig cellular confinement system for the car port and driveway.

2. Trees to be Retained

- T1: Mature Lime tree
- T2: Mature Horse Chestnut tree

Both trees are protected by TPO No. 87/91 and must be retained and protected.

3. Root Protection Areas (RPAs)

- RPAs defined in the AIA must be treated as Construction Exclusion Zones (CEZs), except where access is required to construct the carport and drive.
- Any permitted works within the RPA will follow the methods described below.

4. Tree Protection Fencing

- Installed prior to any works in accordance with BS 5837:2012 Figure 3.
- Weldmesh panels (2 m high) on a scaffold frame braced to resist impacts.
- “Tree Protection Zone – Keep Out” signs must be attached.



Tree protection fencing and signage

5. Ground Protection

- Temporary ground protection in accordance with BS 5837:2012 for any access within RPAs prior to permanent surfacing.
- Temporary ground protection to comprise synthetic interlocking boards as shown below.
- Where permanent surfacing is installed in accordance with section 7, the new surface may be used as ground protection, and no additional boarding will be required.



Ground protection boarding

6. Detailed Method Statement – Screw Pile Foundations for Car Port (91 x 685 mm Ground Screw)

The car port posts within the RPA of T1 will be installed using galvanised steel ground screws (91 x 685 mm, as per attached product details).



Product details	
Product information	
Heavy duty ground screws are ideal for various construction applications: pergolas, decking, gazebos, fence post, shed bases and etc.	
Features and benefits	
<ul style="list-style-type: none"> • Thickness: 18 mm • Depth: 70mm-2.8' • Tube diameter: 65mm-2.7' 	
Specifications	
Product depth	60mm
Product height	685mm
Product length	685mm
Product weight	2.5kg
Product width	91mm
Coating	Galvanised
Material	Steel
Model name/number	PWU 90
Colour	Silver
Colour group	Silver
Product code	590730822933

1. Arboricultural supervision

- All works must be supervised by the appointed arboriculturist.
- Exact post positions will be marked and confirmed on site before any installation.

2. Access and preparation

- Protective fencing will remain in place except for controlled access points.
- Temporary ground protection boards will be used for any machinery or operatives within RPAs.

3. Pilot hole creation

- A small guide hole (max. 100 mm diameter, 150 mm deep) will be created manually using an auger or hand tools to ensure correct alignment.
- Roots <25 mm encountered will be retained and the screw pile position adjusted to avoid severance.

4. Installation of ground screws

- Equipment: Hand-held or mini-hydraulic drive head, capable of controlled torque and pressure.
- Each 91 x 685 mm ground screw will be driven vertically into the soil with minimal disturbance and no excavation.
- If resistance is encountered due to large roots (>25 mm diameter), the arboriculturist will decide whether to reposition the screw or use an alternative solution.

5. Pile head assembly

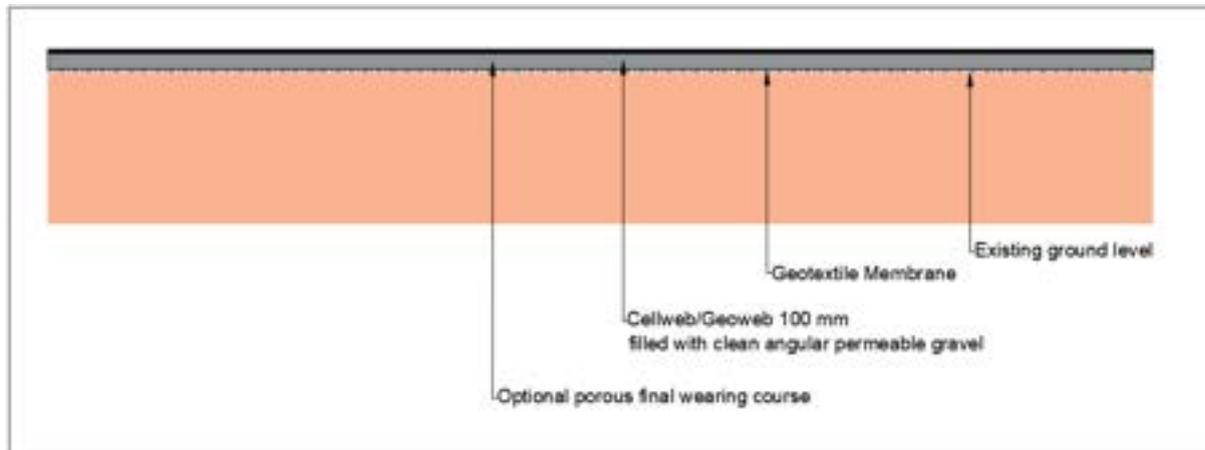
- Once installed, the integral bracket head (91 mm x 130 mm) will be levelled and secured to receive the car port post.
- No concrete or excavation for post footings is permitted.

6. Protection of exposed roots

- Any roots exposed during the process will be covered with damp hessian and backfilled immediately.
- Arboriculturist will inspect the site after installation to confirm compliance.

7. Detailed Method Statement – No-Dig Cellular Confinement Driveway (Cellweb/Geoweb)

The driveway and car port slab within T1's RPA will be installed using a no-dig system to protect existing roots and soil structure.



1. Preparation

- All existing vegetation will be cut back using hand tools only; no soil stripping or excavation permitted.
- Surface irregularities (e.g. high points) will be reduced with hand tools or by filling depressions.

2. Geotextile membrane

- A non-woven geotextile membrane will be laid directly over the existing ground to prevent fines migration and provide separation.

3. Cellular confinement system installation

- The cellular system (e.g. 100 mm deep Cellweb or Geoweb) will be expanded and pinned to the ground using steel pins outside RPAs where possible.
- Adjacent panels will be joined using manufacturer-approved fasteners.

4. Filling

- The cells will be filled with clean angular aggregate (4–20 mm) delivered to the edge of the RPA and spread manually.

- Vehicles must not traffic the unfilled cells.
- Filled cells will be levelled manually; no compaction using vibrating plant will be permitted.

5. Surface finish

- A porous wearing course (e.g. open graded asphalt, permeable block paving, or gravel finish) will be installed over the filled cells.
- All surfacing will remain permeable.

6. Edge restraint

- Edge restraint will be secured above ground level using treated timber boards or pinned concrete kerbs; excavation for haunching is prohibited.

7. Aftercare

- Excess material will be removed by hand.
- The surface will be inspected by the arboriculturist prior to removal of protective fencing.



8. Service Installation

- Services must be routed outside RPAs.
- If unavoidable, use trenchless techniques (mole boring or directional drilling).
- Hand excavation only where roots may be present.

9. Arboricultural Supervision

- The arboriculturist will attend site at all key stages (fencing installation, screw pile installation, cellular confinement installation).
- All inspections will be documented and retained for the LPA.

10. Prohibited Activities within RPAs

- No storage of materials, fires, machinery, or waste.
- No soil stripping, compaction, or changes to soil level.
- No discharge of cement washings or chemicals.

11. Limitations

- 11.1 ROAVR has prepared this Report for the sole use of the above named Client/Agent in accordance with our terms of business, under which our services were performed. No other warranty, expressed or implied, is made as to the professional advice included in this Report or any other services provided by us.
- 11.2 This Report may not be relied upon by any other party without the prior and express written agreement of ROAVR. The assessments made assume that the land use will continue for their current purpose without significant change. ROAVR has not independently verified information obtained from third parties.
- 11.3 This report, video walkthrough, data tables and raw data remain the copyright of ROAVR until such time as any monies owed are settled in full and the report may be withdrawn at any time.
- 11.4 This report, site visit, plans and conclusions are proportional to the proposals and in some cases a simple plan based impact assessment may be all that is required.
- 11.5 Important - to ensure fair allocation of resources, we allow you ten working days to review the report and issue any feedback, beyond that changes are chargeable.
- 11.6 For references and further information regarding tree survey process visit: <https://www.roavr-group.co.uk/roavr-group/survey/sp-3-arboriculture/>

Should you require any further information, please do not hesitate to contact us at any time.

Mr. Peter Haine FDSc Arb
Consultant Arborist



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Checked by: Matt Harmsworth

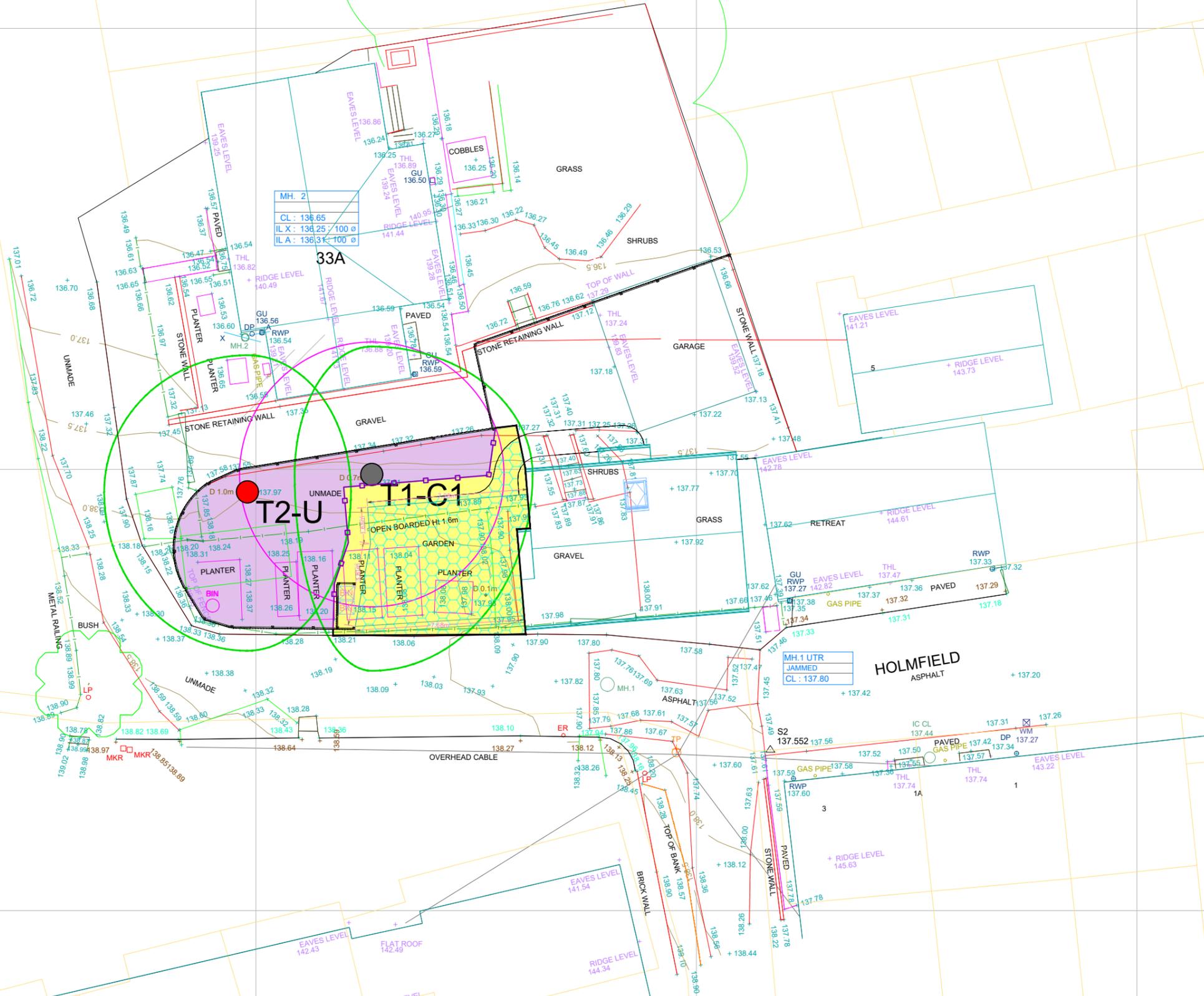
Appendix 1 – Tree Protection Plan

General Notes
 Do not scale off drawing - refer to the tree data schedule for accurate crown spread measurements.
 Depictions of tree canopies are based on measurements taken to four cardinal compass points.
 No liability of any kind is accepted for any omissions or inaccuracies in respect of this plan.
 The original of this drawing was produced in colour; a monochrome copy should not be relied upon.
 All rights reserved.

410880N

410860N

410840N



Key

-  Trees
Showing Canopy extents, category colour and tag number (with category).
-  **Category A**
Trees of high quality with an estimated remaining life expectancy of at least 40 years.
-  **Category B**
Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.
-  **Category C**
Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm.
-  **Category U**
Trees in such a condition that they can not realistically be retained as living trees in the context of the current land use for longer than 10 years.
-  BS 5837:2012 Root Protection Area
-  Tree Protective Fencing
-  Construction Exclusion Zone
-  Ground Protection/Restricted Activity Zone
-  No dig Cellular Confinement System.

N



1:200



Drawing Title
Tree Protection Plan

Client
 Erica Byram

Site/Project
 33A Church Lane, Clayton West

Scale/Sheet
 1:200 @ A3

Date
 01/08/2025

Drawing No 25_5837_07_112	Rev 1	Drawn By PH	Checked By MH
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