



Andrew Burden HNDip.arb
Tree Surveys

07719 734 990
andrewburden@hotmail.co.uk

18a North Street, East Rainton, Houghton-le-Spring, Tyne & Wear, DH5 9QF

Title:	Arboricultural Impact Assessment (AIA) & Arboricultural Method Statement (AMS) relating to construction of proposed garage.
Client:	Kevin Cunningham
Site:	9 Laburnum Grove, Cleadon, SR6 7RJ
Surveyor:	Andrew Burden, HNDip.arb.
Date:	10 December 2025

List of contents

1.0 Introductory details

2.0 Protected status of trees

3.0 Discussion

4.0 Arboricultural Impact Assessment (AIA)

5.0 Arboricultural Method Statement (AMS)

6.0 Conclusions

7.0 Appendices

7.1 Proposed site plan location of garage showing tree root protection areas.

7.2 Proposed site plan location of garage showing crown spread of trees.

1.0 Introductory details

- 1.1 This Arboricultural Impact Assessment and Method Statement relates to the proposed construction of a garage within several tree root protection areas (RPA's).
- 1.2 This report is an addition to the existing BS:5837 (2012) Tree Survey, Arboricultural Impact Assessment, Arboricultural Method Statement & Tree Protection Plan relating to the proposed demolition and construction of a new dwelling at 9 Laburnum Grove, Cleadon, SR6 7RJ.
- 1.3 This impact assessment and method statement is to be read in conjunction with the previous report which sets out all required tree protection methods.

2.0 Protected status of trees

- 2.1 Desk based study carried out on 01 December 2025 of the South Tyneside Council online protected trees information shows the site is within the boundary of the Cleadon Village Conservation Area. As such no tree works recommended within this report should be carried out without the formal, written consent of South Tyneside Council Planning & Landscape Department.

3.0 Discussion

- 3.1 The proposed garage building will have interface with the tree root protection areas of eleven Category B trees. Seven of the trees are situated outside the property boundary, to the North within the garden of 7 Laburnum Grove.
- 3.2 There is a retaining wall along the garden boundary between No: 7 & 9 Laburnum Grove, the wall varies in height between 600 mm – 700 mm. The garden of 9 Laburnum Grove being lower than number 7.
- 3.3 The proposed garage construction is possible by using specialist foundation construction.

4.0 Arboricultural Impact Assessment (AIA)

4.1 The Arboricultural Impact Assessment (AIA) considers the following factors in relation to the proposed development;

- * Tree location.
- * Ground conditions
- * Likely tree root morphology.
- * Current dimensions & future growth
- * The tolerance of the trees in relation to possible disturbance based on species, age and condition.

4.2 Above ground impacts

4.3 Care should be taken throughout the period of proposed development to prevent any spillage of liquid construction materials (fuel, cement / concrete washings etc) from entering the area of soil close to the tree protection areas. These materials can have a harmful effect upon a tree's health. Spill kits should be available on site, of a sufficient size to immediately deal with any accidental spillages. Any liquid construction materials should be stored and mixed well away from the tree protection areas.

4.4 All construction staff working on the proposed development project should be clearly briefed on these recommendations prior to commencing works on site.

4.5 Below ground impacts

4.6 At present we have no information relating to utility service links to the proposed garage but would offer the following advice.

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- 4.7 Service runs where possible should be grouped together and routed away from the tree protection zones.
- 4.8 The National Joint Utilities Group (NJUG) guidelines for the planning and installation of services in proximity to trees should be adhered to.

4.9 Site specific Arboricultural Impacts & Solutions

- 4.10 **Potential Impact:** Damage to the tree's rooting zones or tree roots during construction of foundation.

Solution: Utilise ground screw system foundation pilings with a box span steel kit flooring system or similar.

Figure 1: Example of ground screw foundation system.



Figure 2: Example of box span steel kit flooring system.



4.11 Additional Precautions

- * Any excavation required within any RPA should be carried out by hand under arboricultural supervision following the provision of an Arboricultural Method Statement (AMS).
- * No lowering or raising of site levels within the RPA for any purpose.
- * No storage of plant or materials within or adjacent to the RPA.
- * No storage or handling of any chemical construction materials including cement within or adjacent to the RPA.
- * No vehicle access to the RPA.

- * No substances injurious to tree health including fuels, oil, bitumen, cement, builders sand, chemicals or concrete mixing shall be carried out or stored, within or adjacent to the RPA.
- * No fires should be lit on site at any time.

4.12 Sequence of operations

Stages	Action	Arboricultural Input
1. Approval	AIA, & AMS submitted to and approved by the LPA.	Liaise with LPA if required.
2. Relocate tree & ground protection.	Remove tree protection fencing and lift ground protection mats in area of proposed garage only.	Arboricultural supervision.
3. Installation of ground screw foundation system.	Excavate trail pits to a depth of 400 mm at points of ground screw insertion prior to installation.	Arboricultural supervision.

5.0 Arboricultural Method Statement (AMS)

- 5.1 Currently no access facilitation tree pruning is required as there is sufficient clearance to allow the build, this may need to be reassessed depending on the timescale of the proposed project.
- 5.2 Under arboricultural supervision remove tree protection fencing and ground protection mats within the area of the proposed garage.

- 5.3 Under arboricultural supervision hand dig trial pits to a depth of 400 mm at the proposed point of each ground screw insertion. This is to ensure no large diameter tree roots are struck during the ground screw insertion process.
- 5.4 Install ground screws and box span steel kit flooring system.
- 5.5 Reinstate temporary ground protection mats upon any exposed ground around the perimeter of the garage foundation before commencing construction of the building.
- 5.6 Planning of site operations should take account of wide loads, tall loads and any plant with booms, jibs etc in order that they can safely operate without coming into contact with retained trees.
- 5.7 Any transit or traverse of plant in proximity to retained trees should be conducted under the supervision of a banksman to ensure that adequate clearance from trees is maintained at all times.

5.5 Drainage and utilities.

- 5.6 At present we have no information relating to the installation of utility services to the proposed garage but would offer the following advice.
- 5.7 Drainage and utilities are to be directed away from the trees which are being retained. Any overground services should be routed away from areas where they may interfere with the crowns of trees. Any new underground services should be grouped together where possible and routed away from tree RPA's. The National Joint Utilities Group (NJUG) guidelines relating to the planning, installation and maintenance of utility services in proximity to trees should be considered when planning installing services.

5.8 Site Contacts.

Title	Name	Telephone	email
Client	Kevin Cunningham	07533 936108	Kevin.cunningham79@yahoo.com
Arboriculturist	Andrew Burden	07719 734990	andrewburden@hotmail.co.uk
Project Architects	TBC		
Site Manager	TBC		

5.9 Site monitoring.

- 5.10 Whenever trees on or adjacent to a site have been identified for protection an auditable system of arboricultural site monitoring is required.

6.0 Conclusions

- 6.1 The proposed development can be achieved without impacting the health of the trees being retained by following the details set out within this report.

7.0 Appendices

- 7.1 Proposed site plan location of garage showing tree root protection areas.
7.2 Proposed site plan location of garage showing crown spread of trees.

Surveyor: Mr. Andrew Burden, HNDip.arb

Signed: *A R Burden*

Date: 23 September 2025

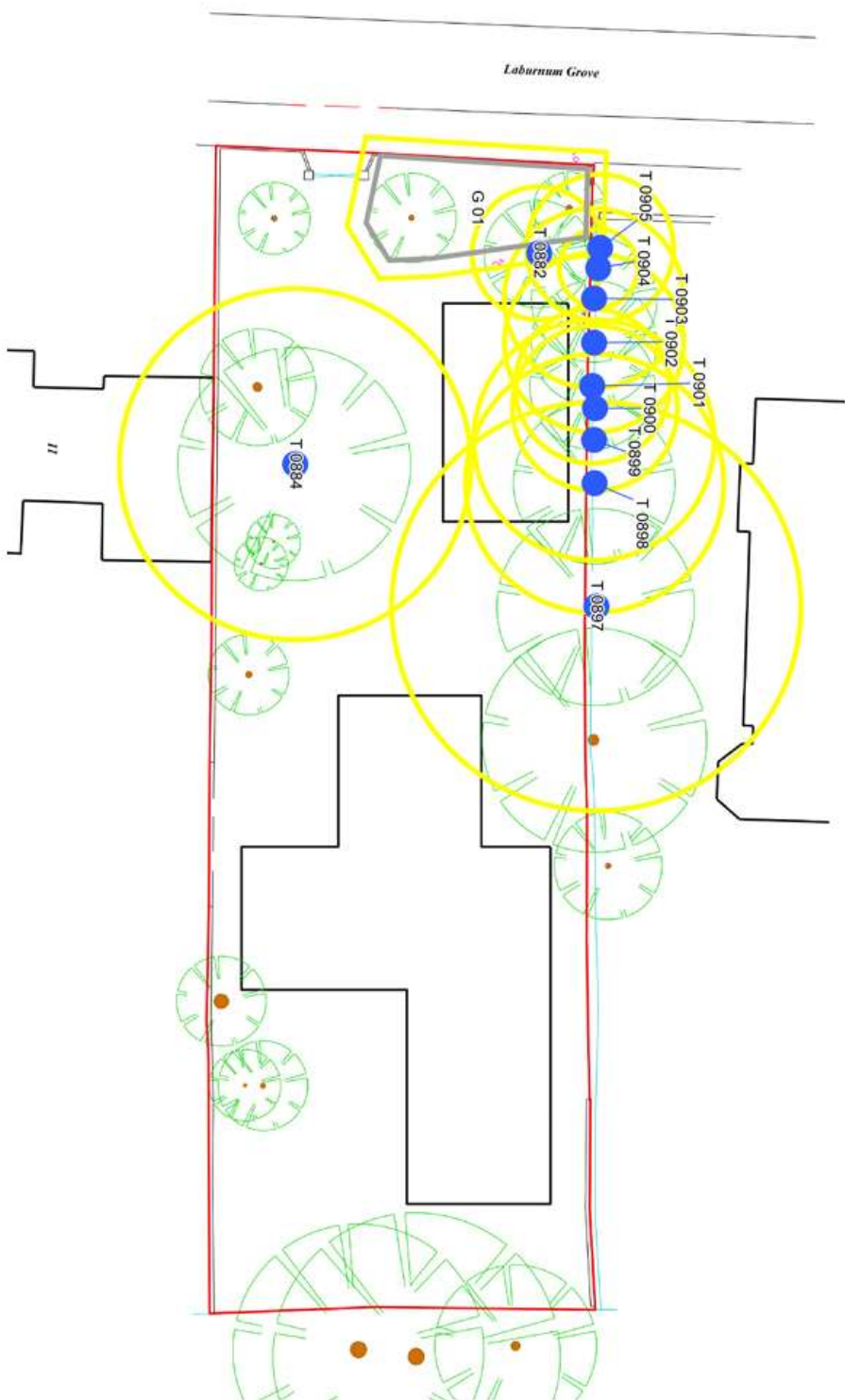
7.1 Proposed site plan location of garage showing tree root protection areas

Yellow Circles / lines = Position of RPA

Page size: A4

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7.2 Proposed site plan location of garage showing crown spread of trees

