

Arboricultural method statement

TREES

at and adjacent to

**132 Fellows Road
London
NW3 3JH**

for

Dr J Reneby

Skerratt

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1. Scope and status

1.1 Scope

- 1.1.1 This method statement sets out measures for the protection of 2 trees/tree groups within and adjacent to the property boundary of 132 Fellows Road, London NW3 3JH, in relation to the proposed erection of a free-standing, single-storey garden room.
- 1.1.2 The locations of the 2 trees are shown on the **Tree protection plan** in **Appendix a** of this method statement.
- 1.1.3 The measures contained in this method statement are based on the advice and guidance set out in *BS5837: 2012: Trees in relation to design, demolition and construction – Recommendations*.

1.2 Status

- 1.2.1 This method statement forms part of the building contract.
- 1.2.2 A copy of the method statement should be available for inspection on site at all times.
- 1.2.3 All persons working on site should be aware of the importance of avoiding damage to trees and should observe the necessary precautions. A guidance leaflet is included in this method statement in **Appendix b**.

2. Preparatory works prior to construction

2.1 Tree works

2.1.1 No preparatory tree works to retained trees are required.

2.2 Protective measures: tree protection fencing

2.2.1 The extent and location of tree protection fencing is shown on the **Tree protection plan in Appendix a**. Fencing must be erected before any site works take place. It is particularly important that no demolition, soil stripping, breaking out of existing hard surfaces, re-grading or other excavation takes place before protective fencing has been erected.

2.2.2 Tree protection fencing will comply with the advice and guidance contained in *BS5837:2012 – Trees in relation to design, demolition and construction – Recommendations*.

2.2.3 Fencing will be 2000mm high welded steel mesh panels (eg Heras round or square top panels or equivalent), mounted on compatible concrete or rubber feet, linked with 2 anti-tamper couplings and strutted at the ends. Struts will be attached at their lower ends to base plates secured with ground pins or to surface mounted concrete or rubber feet that are compatible with the strut size.

2.2.4 Areas separated from the construction site by protective barriers are **Construction Exclusion Zones (CEZ)**.

2.2.5 **CEZs** are total exclusion areas. All of the following will be excluded:

- Animals
- Pedestrians
- Vehicles and construction equipment
- Materials and equipment storage
- Contamination from materials used outside the **CEZ** – (for example spillage of diesel or other toxic liquids)
- Surface water runoff from outside the **CEZ**

3. Works during development

3.1 Storage, handling and use of materials

- 3.1.1 Phytotoxic materials (diesel or cement for example) will be stored at least 5m outside the RPAs of retained trees as shown on the **Tree protection plan** in **Appendix a**.

3.2 No fires on site

- 3.2.1 No fires will be lit anywhere on site.

3.3 Excavation and backfilling

Excavation to reduced levels: foundation pads

- 3.3.1 Excavation to reduced levels will be by hand, using hand operated tools only, working from temporary ground protection (side butted scaffold boards or equivalent).
- 3.3.2 The maximum permitted excavation depth below existing ground level will be 250mm.
- 3.3.3 Tree roots with a diameter of greater than 15mm will be retained undamaged. If, in the course of excavating any pad foundation position, roots of 15mm diameter or greater are exposed they will be re-covered immediately and the pad position will be moved laterally to a sufficient extent to avoid damaging the root in question.
- 3.3.4 Roots with a diameter of less than 15mm will be cut flush with the face from which they enter the excavation area with a sharp saw or loppers, to promote recovery.

Backfilling/construction of foundation pads

- 3.3.5 If pad foundations are cast in-situ, a protective membrane will be laid over the complete sides and base of each receiving excavation prior to casting, to prevent leachate from curing concrete entering the root zones of retained trees and causing damage.
- 3.3.6 Suitable membranes include a geotextile of appropriate thickness (Terram 1000 or equivalent) or building paper complying with BS1521.
- 3.3.7 Foundation pads will be poured and consolidated, or placed (if pre-cast), by hand with hand operated tools.

3.4 Removal of protective fencing

- 3.4.1 Protective fencing may be dismantled when construction works are completed and all construction equipment has been removed from site.

4 Summary of methods

4.1 Conflicts and remedial actions

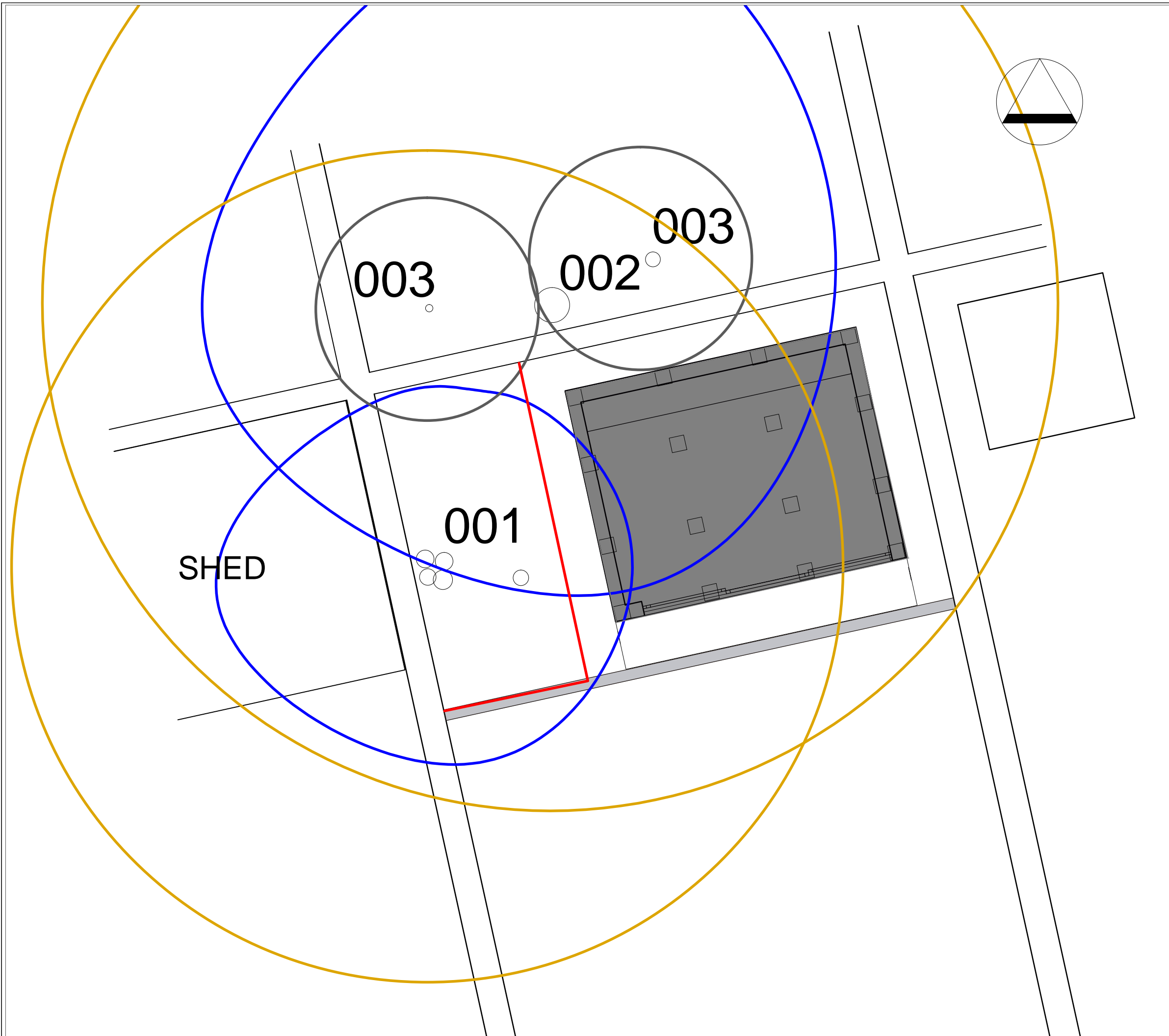
4.1.1 The main potential sources of damage to trees are listed in **Table 1** below together with the remedial measures that should be adopted to minimise or avoid damage.

Source of damage	Remedial actions	See	Trees at risk
Damage to tree stems and foliage	Erect protective fencing; plan construction activities to avoid damage to overhead branches:	Sections: 2.2	T001
Damage by surface compaction from site traffic/storage of materials	Install ground protection layers where indicated	Not applicable	
Damage from spillage of toxic materials	Store, mix and pour toxic materials away from working area	Section: 3.1	T001 and 002
Damage to tree roots		Sections: 3.3 Tree protection plan	T001 and 002

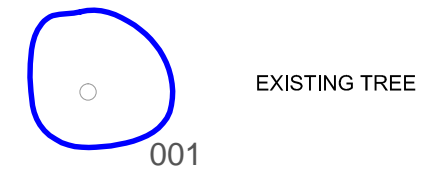
Table 1: Summary of Potential Damage Sources and Remedial Measures

Appendix a

Tree protection plan

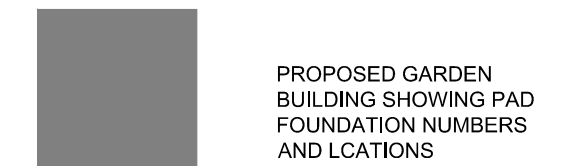
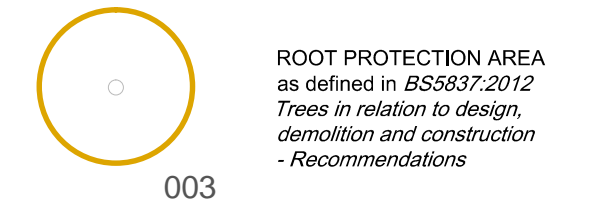


KEY



Trees are coloured on plan to correspond to the Retention Categories specified in:
BS5837:20 12 Trees in relation to design, demolition and construction - Recommendations as follows:

- Category A - GREEN
- Category B - BLUE
- Category C - GREY
- Category U - RED



REVISION	CHK'D	APP'D	DATE
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Client:
 MR J RENEBY

Job Title:
 132 FELLOWS ROAD
 LONDON
 NW3 3JH

Drawing Title:
 TREE PROTECTION PLAN

Drawing Number: 384.03.00	Scale: 1:50 (A3)
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Date: 15.07.15	Drawn by: RS
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Skerratt
 arboricultural advice

158 MALDEN ROAD, LONDON NW5 4BT
 01274 566539

Appendix b
Tree protection notes

132 FELLOWS ROAD
LONDON
NW3 3JH

CARING FOR TREES

TREE PROTECTION NOTES

Trees are thin skinned and easily damaged

Their roots spread widely and run close to the ground surface.

All of the following can cause serious damage:

- Heavy traffic over and the storage of heavy materials above tree roots
- Direct damage to stems and branches from badly handled construction equipment,
- Root damage caused by unnecessary excavation
- Leakage of toxic liquids and powders above roots and close to tree stems.

Please keep the trees on site safe by following these simple rules carefully and in full.

There is a protective fence round each retained tree. These fenced-off areas are **CONSTRUCTION EXCLUSION ZONES (CEZ)**. Don't enter any CEZ unless authorised to do so

In Construction Exclusion Zones

- Don't store any materials
- Don't use heavy machinery
- Don't handle toxic materials
- Stick to the planned work programme. Don't undertake unscheduled variations
- Don't light fires
- Report any damage to protective fencing to the Site Manager

Work Planning

Plan your work so that construction machinery does not come into contact with and cause damage to branches and stems of retained trees.

Appoint someone to supervise movement of machinery and equipment close to CEZs

Tell the Site Manager if tree pruning is needed to get machinery in, out or around the site. Don't do it yourself