

**Arboricultural method
statement**

Trees

at

**29 Dartmouth Park Road,
London
NW5 1SU**

for

Mark Lutyens Associates

Skerratt

R Skerratt BSc(For) M. Arbor. A.
33 Greenwood Place
London
NW5 1LB

Tel: + 44 (0)7768 398776

Fax: + 44 (0)20 7567 4004

Email: 

job no.: 593

document rev. no.:

date: 19.09.17

Scope and status

1.1 Scope

- 1.1.1 This method statement sets out measures for the protection of 2 trees standing within the property boundary of 29 Dartmouth Park Road, London NW5 1SU in relation to the construction of a single-storey outbuilding.
- 1.1.2 The locations of the trees are shown on the **Tree protection plan** in **Appendix a**. Their species and dimensions are listed in the **Pre-contract tree works schedule** in **Appendix b**.
- 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 a part of the building contract and its requirements are an integral part of the contract specification and schedule of works.
- 1.2.2 A copy of the method statement must 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 c**.

2. Preparatory works prior to construction

2.1 Tree works

2.1.1 Preparatory tree works are listed in the **Tree works schedule** in **Appendix b** and should be carried out prior to the start of the main contract.

2.1.2 All works will be carried out in accordance with *BS3998:2010 Recommendations for Tree Work*, by an appropriately qualified tree work contractor.

2.1.3 Unless otherwise specified, all arisings are to be taken off-site to an approved tip.

2.2 Protective measures: individual tree protection

2.2.1 As shown on the **Tree protection plan** in **Appendix a**, wrap the stems of Trees 001 and 002 to a height of 3m with a triple layer of hessian sacking prior to the start of works.

2.2.2 It is particularly important that no demolition, soil stripping, breaking out of existing hard surfaces, re-grading or other excavation takes place before individual tree protection has been installed.

3. Works during development

3.1 Storage, handling and use of materials

- 3.1.1 Phytotoxic materials (diesel and cement for example) will not be stored or handled (e.g. poured or mixed) within 3m of the RPA of any retained tree.
- 3.1.2 Phytotoxic liquids will be stored in a purpose-built bunded container or compound to prevent the risk of spillage.

3.2 No fires on site

- 3.2.1 No fires will be lit anywhere on site.

3.3 Special Construction Area

- 3.3.1 Follow the procedures specified in this section within the **Special Construction Area** shown on the **Tree protection plan** in **Appendix a**.

Excavation

- 3.3.2 There will be no excavation below existing ground level within the **Special Construction Area** except for the removal of minor undulations to achieve a level surface prior to the start of construction.

Construction

- 3.3.3 A geo-textile layer of appropriate strength (Terram T1000 or equivalent) will be installed over the complete footprint of the proposed structure prior to the start of construction.
- 3.3.4 Wheeled or tracked machinery is not permitted in the **Special Construction Area**.
- 3.3.5 Construction personnel will work from a temporary ground protection layer – for example, side-buttressed scaffold boards or a sheet material of equivalent strength.
- 3.3.6 Securing stakes will be positioned to avoid damage to tree roots. The risk of root damage will be identified and estimated by the degree of resistance as each stake is driven in.
- 3.3.7 Where a high level of resistance is encountered, the stake will be re-located to a nearby location where the resistance is comparable to that required for the placement of adjacent already installed securing stakes.

3.4 Making good

- 3.4.1 When construction works are complete, individual tree protection hessian wrapping may be removed.

Soft landscaping areas

- 3.4.2 Within the RPA of retained trees, the ground surface will be cultivated by hand using hand-operated powered or non-powered tools only.
- 3.4.3 Roots exposed during cultivation will be retained and immediately re-covered.
- 3.4.4 Where imported topsoil is used for backfilling or for the preparation of soft landscaping areas, it must be of good quality, be free of contaminants and foreign bodies and conform to the requirements for multipurpose topsoil set out in *BS3882:2007*.
- 3.4.5 Existing ground levels within the **Special Construction Area** will not be raised or lowered in the course of making good.

4. Summary of methods

4.1 Conflicts and remedial actions

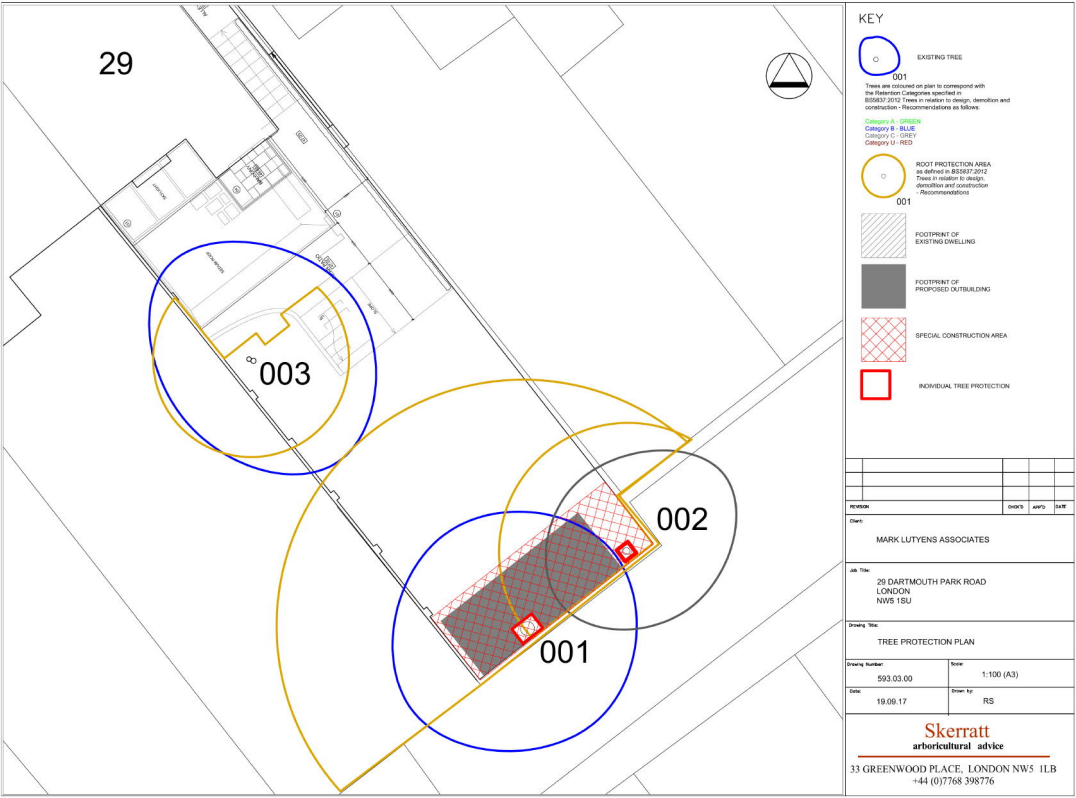
- 4.1.1 The main potential sources of damage to trees are listed in **Table 1** below together with the remedial measures that should be adopted to minimise or avoid damage.

Source of damage	Remedial actions	See	Trees at risk
Damage to tree stems and foliage	Install and maintain individual tree protection measures: follow approved working methods	Sections: 2.2, 3.2, Tree protection plan	001, 002,
Damage by surface compaction from site traffic/storage of materials	Work from a ground protection layer	Section: 3.3 Tree protection plan	001, 002
Damage from spillage of toxic materials	Phytotoxic materials to be stored in a bunded compound/ container outside retained tree RPAs	Section: 3.1	001, 002
Damage to tree roots	Follow Special Construction Area requirements	Sections: 3.3, 3.4 Tree protection plan	001, 002

Table 1: Summary of Potential Damage Sources and Remedial Measures

Appendix a

Tree protection plan



Appendix b

Pre-contract tree works schedule

Pre-contract tree works schedule

Skerratt

Tree No.	Species	Height (m)	Diam (cm)	Crown Spread (m)				Crown Height (m)	Item
				N	E	S	W		
001	Copper Beech (<i>Fagus sylvatica</i> 'Purpurea')	13	500	4.5	4	4	5	2/2	No action required
002	Silver Birch (<i>Betula pendula</i>)	9	250	3	4.5	3	3	3/3	Cut and remove ivy to a height of 3m
003	Magnolia (<i>Magnolia species</i>)	5	170/ 190	4.5	4.5	5	3	2/2	No action required

Client: Mark Lutyens Associates
 Location: 29 Dartmouth Park Road, London NW5 1SU
 Date: 19.09.17
 Job No.: 593

Pre-contract tree works schedule

Skerratt

Specification

General

All works must be carried out in accordance with the provisions of *BS3889:2010 Tree works*

1. Felling

- 1.1 Where necessary to avoid damage to neighbouring trees and vegetation, trees for removal will be dismantled in sections and lowered under controlled conditions
- 1.2 No retained tree will be used as an anchorage point for any tree removal operation

2. Stump grinding

- 2.1 Stump grinding will be to a sufficient depth to extend through the base of the central part of the stump
- 2.2 Chippings from stump grinding will be treated as arisings and removed from site to an approved disposal location

3. Pruning: General

Active Target pruning

- 3.1 Pruning cuts will be made close to the point of origin of the branch or branchlet to be removed (to avoid stubs which can inhibit wound occlusion)
- 3.2 Where there is a visible branch bark ridge and branch collar, pruning cuts will be made between the outer edge of the branch bark ridge and the outer edge of the branch collar
- 3.3 Where no branch collar is visible, cuts should be made from the outer edge of the branch ridge at right angles to the grain of the branch to be removed

Size and location of pruning cuts

- 3.4 The size and number of all pruning cuts will be kept to a minimum consistent with the specified management objective
- 3.5 Preference will be given to the removal of a larger number of secondary branches rather than the removal of larger primary branches (to minimise pruning wound diameter) to achieve the specified management objective
- 3.6 Pruning cuts will not exceed 30% of the diameter of the parent branch or stem

4. Remove dead wood (safety)

- 4.1 Remove dead secondary branches and branchlets of 25mm diameter or greater at their point of origin following the principles of Active Target pruning

5. Crown lift (to a specified height)

- 5.1 Achieve the clearance specified between ground level and the lowest point of overhanging crown
- 5.2 Achieve the specified increase in headroom by removing secondary branches with the smallest possible diameter in accordance with the principles of Active Target pruning

- 5.3 Where necessary to avoid pruning wounds in excess of 30% of the diameter of the parent branch or stem, shorten rather than remove the limb to be pruned back to a healthy lateral with the largest possible diameter in relation to its parent branch.

- 5.4 Shortening cuts will be made distal to the union with the lateral branch using Active Target pruning principles

Client: Mark Lutyens Associates
Location: 29 Dartmouth Park Road, London NW5 1SU
Date: 19.09.17
Job No.: 593

Appendix c

Tree protection notes

29 DARTMOUTH PARK ROAD
LONDON
NW5 1SU

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