

**Protective Fencing**

To comprise 2m tall 'Heras' welded mesh panels on rubber or concrete feet. The panels shall be joined together with two anti-tamper couplers, installed so that they can only be removed from inside the fence. Distance between the couplers should be at least 1m and should be uniform throughout the fence. Panels should be supported (where possible) on the inner side by stabilizer struts, which should normally be attached to a base plate secured with ground pins (Figure 3a). Where the fencing is to be erected on retained hard surfacing or it is otherwise unfeasible to use ground pins, e.g. due to the presence of underground services, the stabilizer struts shall be mounted on a block tray (Figure 3b).

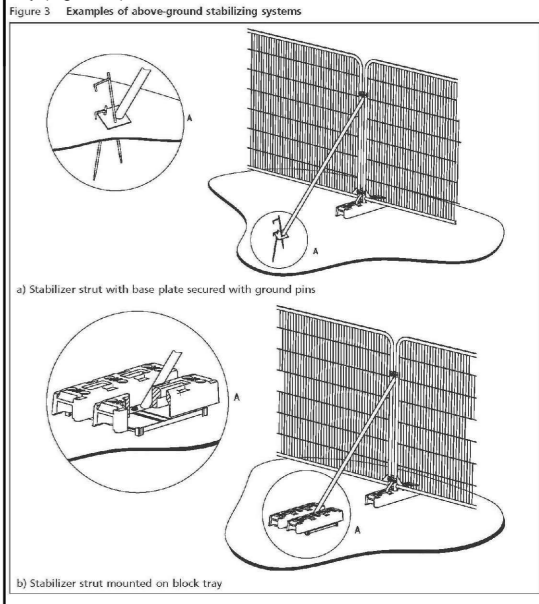


Figure 3. Examples of above-ground stabilizing systems

**Manual Excavation**

Within root protection area of tree nos. 2, 3, 4 and 10 the first 750mm depth of any excavation, for proposed foundations, shall be undertaken by hand under arboricultural supervision. The soil will be loosened with a pick or fork, and then will be cleared from roots with a compressed air soil pick. All roots will be cut cleanly with a hand saw or secateurs. The edge of the excavation closest to the trees will be covered with hessian sacking to prevent drying out, and if necessary be shuttered with an appropriate material to prevent soil collapse. Where appropriate, the soil beneath this depth may be sheet piled; and deeper excavation may be undertaken by a machine provided it works from outside the root protection areas.

**Replacement Surfacing**

Replacement hard surfacing within the RPAs of tree nos. 2 and 12 to be constructed in accordance with section 7.4 of BS 5837: 2012. Trees in relation to design, demolition and construction - Recommendations. Other than the careful removal, using hand tools, of the existing wearing course and sub-base, surfaces will be installed above existing soil level, so that the soil is not disturbed and no roots are severed.

**Arboricultural Supervision**

The arboricultural consultant will directly supervise all construction works that have to be undertaken within root protection areas. These include:

1. Location of protective fencing and ground protection.
2. Demolition of existing garage and retaining wall where these abut RPAs.
3. Excavations, for proposed foundations and retaining wall within the RPAs of tree nos. 2, 3, 4, and 10.
4. Resurfacing of existing hard-surfacing within the RPAs of tree nos. 2 and 12.

Rev. A 16/01/2017 Added hatch and labels for additional tree removals



Project: Grove Lodge, Admirals Walk, London

Client: Mr Caspar Berendsen

Drawing: TREE PROTECTION PLAN

Drawing No: SJA TPP 16039-01 Revision No: A

Based On: dNA GLR 01 002 Plan Prop Site

Drawn By: FPS/MJ/NHK Date: April 2016 Scale: 1:200 @ A2

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Tree nos.:	● 5	Category 'U' trees:	● [12]	Canopies of trees to be retained:	
Category 'B' RPA:		Category 'C' RPA:		Category 'U' RPA:	

Trees to be removed:		Protective fencing:		Manual excavation:	
Above soil surfacing:		Proposed tree planting:		Extent of proposed basement:	

Additional removals: 7

For further information refer to the SJA Tree Schedule. Do not scale from this drawing; please check all dimensions on site, and notify us of any discrepancies. Simon Jones Associates cannot be held responsible for inaccuracies in the topographical plan on which this drawing is based. © Simon Jones Associates Ltd. 2016. This drawing is copyright and may not be used or changed without the written consent of Simon Jones Associates. This drawing is designed to reflect only the principles of layout and/or design insofar as these relate to the protection of trees to be retained, and should NOT be read as a definitive engineering or construction method statement. Reference should be made to the architect or structural engineer, as appropriate, over any matters of construction detail or specification, or any engineering standards or regulatory requirements relating to proposed structures, hard surfaces or underground services.

**Arboricultural Impacts: Summary**  
(For details, see below)

Impact	No. of Trees
Trees to be removed	7
Groups of trees to be removed	1
Trees where manual excavation needed within RPAs	5
Trees where replacement hard surfacing is required within RPAs	2

**Trees to be Removed**

No	Species	Category
1	Common lime	C
7	Japanese maple	C
8	Magnolia	C
13	Willow leaved pear	C
14	Bay	C
15 and 16	Leyland cypress	C
G1	Entire group	C

**Total numbers of trees to be removed**

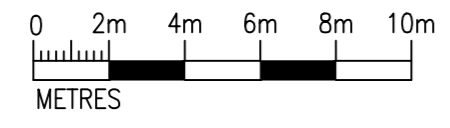
Category	No. of trees	Category	No. of trees
A	0	B	0
C	7	U	0

**Trees that require manual excavation within RPAs**

No.	Species	Type of structure
2	Common lime	Excavation for retaining wall and foundations for proposed replacement garage
3	Common lime	Excavation for retaining wall
4	Common lime	Excavation for retaining wall
10	Magnolia	Excavation for proposed footpath and steps leading up from existing access

**Trees that require above soil surfacing within RPAs**

No.	Species	Type of structure
2	Lime	Replacement hard-surfacing
12	Elm	Replacement hard-surfacing



1 : 200 @A2

**Planting schedule**

Name	Designation	Girth / Height	Root system	Planting location	Quantity
Common lime <i>Tilia x europaea</i>	Semi-mature	30-35 cm / approx. 6m	Container-grown	A	3
Common lime <i>Tilia x europaea</i>	Heavy Standard	14-16 / 350cm - 400cm	Container-grown	A1	1
Susan Magnolia <i>Magnolia susan</i>	Semi-mature	18-20 / approx. 5m	Container-grown	B	1
Cherry blossom sunset boulevard <i>Prunus 'Sunset Boulevard'</i>	Heavy Standard	14-16 / 350cm - 400cm	Container-grown	C	3
English walnut <i>Juglans regia</i>	Heavy Standard	14-16 / 350cm - 400cm	Container-grown	D	1
Upright Hawthorn <i>Crataegus monogyna 'Stricta'</i>	Heavy Standard	14-16 / 350cm - 400cm	Container-grown	E	3
Autumn blaze <i>Acer X Freemanii 'Autumn Blaze'</i>	Multi-stemmed Semi-mature	approx. 4-5m	Container-grown	F	1
Japanese maple <i>Acer palmatum</i>	Multi-stemmed Heavy standard	approx. 2-3m	Container-grown	G	4
Foxglove Tree <i>Paulownia tomentosa</i>	Pollarded Semi-mature	approx. 3m	Container-grown	H	2
Apple tree <i>Malus domestica</i>	Semi-mature	18-20 / approx. 5m	Container-grown	I	1
Willow leaved pear <i>Pyrus sticifolia</i>	Light standard	10-12 / approx. 2m	Container-grown	Tree 13 replacement	1

Plant material shall comply with British Standard BS3336: Part 1: 1992. "Nursery Stock, Part 1. Specification for trees and shrubs". Planting will be undertaken in accordance with British Standard BS 8545:2014 "Trees: from nursery to independence in the landscape - Recommendations".