

14 TEMPLEWOOD AVENUE, LONDON NW3

Method statement for the protection of trees, all works shall be carried out in accordance with section 7 of BS 5837:2005

There are no trees within the rear garden of number 14 Templewood Avenue that are likely to be effected by the proposed basement construction, the only tree of some significance is a mature Silver Birch described below as T1.

No trees are situated within the central part of the rear garden, however, there are various small trees and shrubs situated along the two side boundaries to the north-east and south-west.

Small trees along the south-west boundary include a Magnolia with a 70mm diameter, self sown Sycamore saplings, and small Holly trees. All of these species have a stem diameter of less than 100mm and therefore the root protection area will not encroach near the proposed basement excavations.

Shrubs along the south-west boundary include Laurel, Privet, Lilac, Elder and Holly, and on the opposite side on the north-east boundary the shrubs include two small Palms, Fuchsia, Viburnum, Roses, Ferns, Camellia, and Choisya.

T1 A mature Silver Birch tree (*Betula pendula*) approximately 15.00M in height is situated on the right hand side boundary of the rear garden (south-west). The tree is in reasonable health and condition with a stem diameter of 400mm at 1.50M above ground level.

Root Protection Area (RPA) for T1 (Silver Birch)

The RPA (sq.M) is calculated for a single stemmed specimen with a trunk diameter measured 1.5M above ground level, and is as follows:-

$$400\text{mm trunk dia (estimated)} \times 12 \text{ divided by } 1000 = 4.80$$
$$4.80 \text{ squared} = 23.04 \times 3.142 = 72.39\text{sq.M. (RPA)}$$

Radius from the tree is 4.80M.

Under 5.2.4 (a) for an open grown tree it would be reasonable to offset the distance by 20% in one direction, this would entail a radius of 4.80 less 20% =

3.84 radius

Root Protection Area (RPA) for T2 (English Oak)

The RPA (sq.M) is calculated for a single stemmed specimen with a trunk diameter measured 1.5M above ground level, and is as follows:-

$$900\text{mm trunk diameter} \times 12 \text{ divided by } 1000 = 10.80$$
$$10.80 \text{ squared} = 116.64 \times 3.142 = 366.48\text{sq.M. (RPA)}$$

Radius from the tree is 10.80M.

Under 5.2.4 (a) for an open grown tree it would be reasonable to offset the distance by 20% in one direction, this would entail a radius of 10.80 less 20% =

8.64 radius

It is acceptable under the current BS to create a rectangular area equal to the root protection area, which is an open area of land where rainwater is accessible for the tree roots, the tree may then be positioned in that area at any location.

The root system of both T1 and T2 will therefore not be influenced by the construction of the new basement.

1 CONSTRUCTION

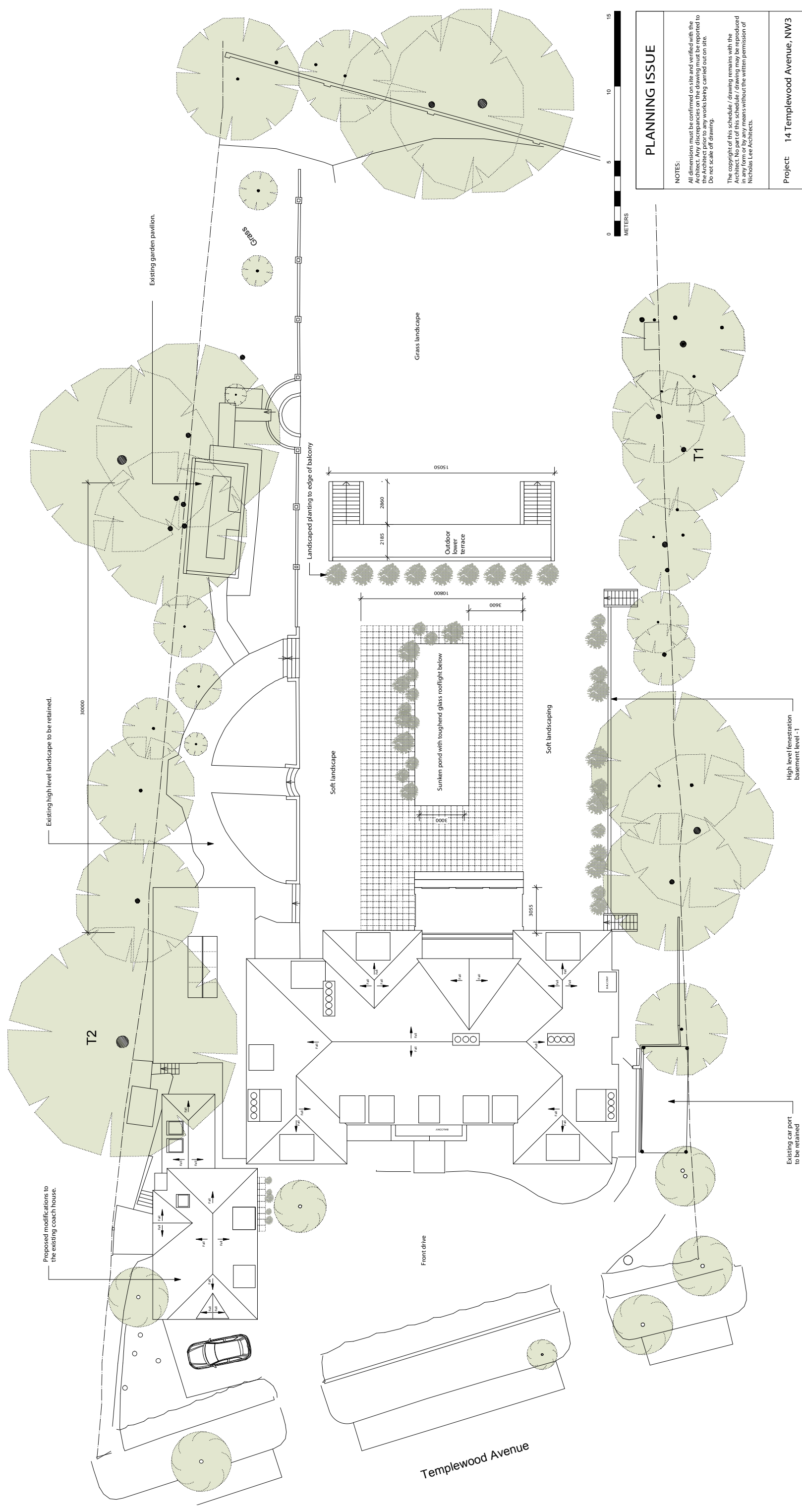
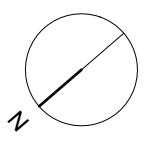
- 1.1 The root protection area for trees is within undisturbed land, and this will remain so during all works, where practicable. No additional spoil will be added and no excavation will take place. T2 does not require a root protection area as the tree is in the adjoining garden.
- 1.2 The basement wall will be an in-situ solid concrete wall poured from within the basement footprint, 225mm in thickness, with steel reinforcing. All shuttering and other extraneous material will be removed from the garden sides after completion of the wall construction. There is adequate space for the shuttering to be erected with no further encroachment into the ground to be retained, and therefore there will no adverse impact on the health and safety of the trees.
- 1.3 The void on the garden side after the completion of the wall will be backfilled with good quality sub soil, free from extraneous material, to an un-compacted level 1.00M below existing ground level. The top 1.00M will be backfilled with good imported quality top soil in accordance with BS 3882.
- 1.4 During and after the construction of the retaining wall no plant, materials or arisings will be placed on the garden side of the basement footprint.
- 1.5 All overhanging branches will be protected and where necessary temporarily tied back in order not to cause damage during construction work.
- 1.6 Under no circumstances will any plant or machinery encroach over the site boundaries.
- 1.7 A protective barrier will be erected along the line of the root protection area, inset sufficiently to accommodate necessary shuttering and working space to construct the basement walls. This will be maintained throughout the contract in order to protect trees on adjacent land.

2 GENERAL

- 2.1 All structures including scaffold, site huts, and latrines together with all areas for material storage will be sited away from the protective barriers.
- 2.2 There will be absolutely no encroachment over the site boundaries or protective fencing by any plant including scaffolding or cranes.

ANTHONY GEORGE & ASSOCIATES LTD

19 July 2012



Proposed modifications to the existing coach house.

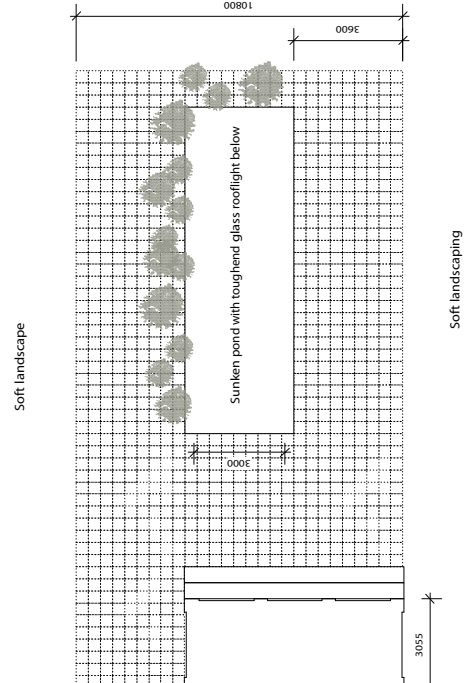
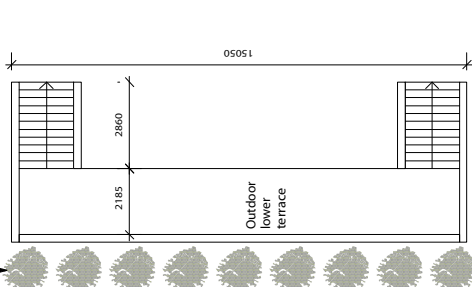
Existing high level landscape to be retained.

Existing garden pavilion.

Grass

Front drive

Grass landscape



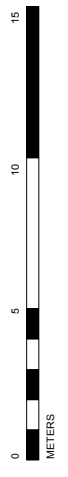
Soft landscape

Soft landscaping

High level fenestration basement level -1

Existing car port to be retained

Templewood Avenue



PLANNING ISSUE	
<p>NOTES:</p> <p>All dimensions must be confirmed on site and verified with the Architect. Any discrepancies on the drawing must be reported to the Architect prior to any works being carried out on site. Do not scale off drawing.</p> <p>The copyright of this schedule / drawing remains with the Architect. No part of this schedule / drawing may be reproduced in any form or by any means without the written permission of Nicholas Lee Architects.</p>	
Project:	14 Templewood Avenue, NW3
Drawing Title:	Proposed site plan
Drawing No:	1861/ASP - 001
Date:	20.04.12
Scale:	1:125 @ A1 1:250 @ A3
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