

2 Holly Lodge Gardens
London
N6 1AA



AN ARBORICULTURAL
IMPLICATIONS STUDY
For
A PROPOSED DEVELOPMENT
OF

2 Holly Lodge Gardens

London

N6 1AA

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Arboricultural Implications Assessment

This document provides details of the existing trees on the proposed development site. The trees have been categorised A, B, C, and R as per BS 5837: 2005.

The existing trees are also considered for either protection, retention or removal with reasons discussed.

1.0 Category A trees

None.

2.0 Category B trees

None.

3.0 Category C trees

The Category C trees are marked as T2, T3, T5, T6, T7, T8, T9 and T10.

T7, T8 and T9 are over 10m away from the proposed construction works and development.

T2 and T3 are close to the No.1 Holly Lodge Gardens boundary and adjacent to the front of the existing rear garage of No.2. There is a patio which is to be built within 2 metres of these two trees. However, the patio will be cut out of the existing garage concrete structure. Thus the tree roots will not be further disturbed by further construction work. The canopy to T2 is not near to the construction area. This tree is in the garden of No. 1 Holly Lodge Gardens.

There are small diameter lower branches to the T3 tree which could possibly be damaged by the works. To ensure that canopy damage is not caused, I would recommend the pruning of T3 to a height of 2.5metres, removing the lower branches which are of a maximum diameter of 30mm.

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The existing tree root zone of T2 and T3 is inaccessible to construction work. However, to ensure that the rooting area is not used as a dumping area it is proposed that a fenced off exclusion zone is formed around the stem – see tree protection plan.

The rear gardens are stepped and the proposed development is within the lower stepped areas of the garden.

T5 and T10 are two trees within 3.5 metres and 5.5 metres of the development area. These trees are small with stem diameters of 11cm and 8 cm respectively. The T5 root protection zone is 5.47 m² and the root protection zone of T10 is 2.9 m². The development is therefore beyond the root protection zone. However, to ensure that it is not used as a dumping area it is proposed that a fenced off exclusion zone is formed around the stem – see tree protection plan.

T6 is approximately 3.5 metres from the rear part of the development. The proposed development is separated from the potential tree root zone area by a concrete path and a raised garden level. Tree roots are unlikely to travel past a concrete path presuming that the path has hardcore below the concrete. The lower level of the garden where development is planned is also less likely to have extensive root growth due to the drop in ground levels.

The root protection zone for T6 is 7.65 m². The radius of the protection zone is 1.56 metres. The development is therefore beyond the root protection zone. However, to ensure that it is not used as a dumping area it is proposed that a fenced off exclusion zone is formed around the stem – see tree protection plan.

The two remaining larger trees within the gardens are the *Acer* species trees T7 and T8. The closest of these trees to the house and proposed works is at least 11m away from the proposed construction area and that a dropped garden level which is lower than the base of the tree by at least 1.4m and separated by a concrete hardstanding and concrete steps. These trees will be protected from the works by the fence as proposed above for T5, T6 and T10.

T9 is in the neighbours' rear garden at No.3. The development is beyond the root protection zone of 40.72 m² and an existing garden fence separated the tree from disturbance.

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4.0 Category R trees

To the front garden, a wall to the existing driveway is to be taken back to the right side for approximately 1m. The existing shrubs T1, which should be cut back, dug up, potted and re-planted for future re-establishment.

To the rear garden T4 is a vigorous young *Cupressus* species and is competing with a young *fagus sylvatica* tree (T10). Removal is recommended to allow space for T10 to grow.

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Arboricultural Method Statement

Tree Protection Plan

This document is to be read in conjunction with the tree protection plan drawing.

Trees to be retained

The trees to be retained are T2, T3, T5, T6, T7, T8, T9 and T10.

The trees T2 and T9 are in the neighbouring owners' lands.

Tree Root Protection

Two root and canopy protection zones are to be formed as follows;

1. 1 metre around the perimeter of T3.
2. At the base of the garden steps leading to the upper level of the garden running the full width of the garden, left to right and in front of T5 and T6. This will protect T5, T6, T7, T8 and T10

The trees T3 and T9 are in the neighbouring owners' lands so existing boundary fences will form protection for these trees.

The protection areas 1 and 2 are to be made up of barriers. The barriers are to be of scaffold poles firmly fixed in position with uprights driven into the ground and panels fitted between the upright poles and to run the full width of the site.

These will form a construction exclusion zone leaving extensive undisturbed rooting areas for the retained trees.

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Trees to be removed

The front border shrubs T1 are to be lifted, potted and retained for future replanting.

The lifting and potting of these plants is to be undertaken either by a qualified and experienced horticulturalist or with a horticulturalist on site to advise on size of pots, and aftercare.

The tree T4 is to be felled and removed as it is an over vigorous tree for the location and is to be felled to allow T10 to thrive.