

TREE PROJECTS

PROFESSIONAL & TECHNICAL ARBORICULTURE

23-07- 2019

BB Partnership
Studios 33-34,
10 Hornsey Street,
London
N7 8EL

FAO Ben Champion

Dear Ben

Re: Radlett Place, London NW8 6BD – Proposed New Gates – Arboricultural Support Statement

Further to discussions I write in support of proposals to install new gates to Radlett Place, an access lane off Avenue Road NW8 that serves residential properties to the rear. The lane and access are privately owned and there is no public access. The area is located within a Conservation Area.

Gates are to be set back from the entrance/ exit onto Avenue Road to allow vehicles to pull off the highway enabling time for gates to open.

The proposals are presented in the drawing set GAZ 300 to 301 and GAZ 320 to 321 to which I have plotted two trees in adjacent properties being one Lime and one London Plane. These trees have been surveyed with reference to BS 5837:2012 Trees in Relation to Design Demolition and Construction: findings are presented within the attached tree schedule, a tree schedule plan together with explanatory notes.

Both trees are mature specimens that contribute to the visual amenities and street scene of Avenue Road. They are protected by the Conservation Area designation, no check has been made of the TPO register.

In respect of details the proposed double gates are to span the entire width of the lane and whilst the hanging posts will take some support off existing boundary walls, some baring is expected to be required derived from nominal local excavation. This excavation will be within the Root Protection Area (RPA) of both trees and should be designed subject to the results of investigative works. Precise foundation detailing will need to be devised based on findings at this stage and it is envisaged that either a nominal hole will be formed into which box section posts will be set within concrete or alternatively, a shallow cantilevered plate could be welded to the bottom of posts extending superficially below ground. This detailing is considered appropriate for control by application of appropriate planning conditions.

It is expected that the gates are to be automated and a surface mount power supply is recommended.

With an engineer designed and arboriculturally led approach to locating and detailing of foundations and power supply, the proposed gates should have no negative impacts on trees or the amenities they provide. For this reason there should be no reason for an arboricultural objection to the proposals subject to application of appropriate planning conditions.

Yours sincerely,

Nick Bentley
HNDH, RFS Cert Arb

Enc/ Tree schedule, plan & explanatory notes

	Tree Projects BS 5837 Survey to Radlett Place - Gate Proposal																							
	Date 23-07-2019																							
	Common		Latin	DBH	Stem	Low							Life		BS	Comments	Prelim	RPA	RPA	RPA				
Ref	Name	Name			Cnt	Height	Crown	Nth	Sth	East	West	Age	Exp	Condition	Cat		Mgt	M2	square	radius				
	London	Platanus X														Road. Dimensions & condition estimated. Remove dead wood. Recommend regular routine	Crown clean & inspect							
1	Plane	hispanica	1200		1	25	5	7	11	12	12	M		Good	A2			651.4	25.5	14.4				
	Common	Tilia X														Road. Dimensions & condition estimated. Remove dead wood. Recommend regular routine	Crown clean & inspect							
2	Lime	europaea	700		1	20	5	6	1	5	4	M	20+	Fair	B2	inspection if not already undertaken		221.7	14.9	8.4				

BS 5837: 2012 - Explanatory Notes to tree survey schedule

- **Tree reference (tag) number:** Individual trees are referred to by a 'T' prefix to a number, i.e. T1, T2 etc. Collections or distinct groups of trees may be assigned a G prefix to denote presence of a 'group'. Prefixes and 'SB' (shrub) ST (Stump) and 'H' (Hedge) show further arboricultural features
- **Name/ Latin:** Species identification is based on visual observations and the common English name of what the tree appeared to be is listed first, with the botanical name after. The botanical name is followed by the abbreviation spp if only the genus is known or CV for Cultivar if assumed to be such and cultivar name not known.
- **Measurements/estimates:** Stem and Height dimensions are taken by tape or laser unless indicated. (DBH in mm/ Height in m)
- **Tree Stem DBH (Diameter Breast Height) is used to calculate Root Protection Area (RPA):** Measured at 1.5m above adjacent higher ground level using a specially calibrated 'diameter tape' and recorded in millimetres. Low branching trees are measured at the waist if lower than 1.5m. If two or more stems are present breaking from ground level, each stem is measured and relative locations described where possible using cardinal points. If taken lower than 1.5m for practical purposes the reading height is given.
- **Height:** Height given approximately to the nearest 0.5m. May be derived from compensating lines of sight.
- **Stem Cnt = Stem Count:** number of stems observed (informs calculation of RPA taking account of difference between single stem [SS] and multi-stemmed trees [MS])
- **Low crown Height:** the generalised height of the crown above ground level, usually branch ends.
- **First Significant Branch & Bearing:** Height of first significant branch and direction of growth.
- **Branch Spread:** Crown spread is measured and given to the nearest metre or half metre from the face of the trunk to the tips of the live lateral branches, measured towards the cardinal points. Usually measured by pacing. For trees managed by pollard regime crown may be to pollard extent: check tree schedule.
- **Age Class:** Y=young, SM= Semi Mature, EM=Early Mature, M=Mature, OM=Over Mature, V=Veteran. Age is estimated from visual indicators and experience and it should only be taken as a provisional guide. Age estimates often need to be modified based on further information such as historical records or local knowledge.
- **Life Expectancy:** the estimated remaining contribution (to amenity)/ safe useful life expectancy in years. (< 10, 10+, 20+, 40+) a tree with less than 10 years safe useful life will ordinarily need to be felled unless retained for habitat purposes within an excluded area.
- **Physiological condition:** An assessment of the general health of a tree considering vigour, extension growth, crown density and presence of pathogens. G=Good, F=Fair, P=Poor, D=Dead
- **Category Grading:** the grade of the tree utilising the cascade chart for tree assessment within BS 5837:2012 Trees in Relation to Design, Demolition & Construction. Trees are graded on arboricultural, landscape and cultural/ conservation qualities. The assessed quality of a tree is ascribed by this letter whilst numeric sub categories define where the quality lies without conferring additional value. Simplified definitions are:
 - **Category U, Unsuitable for Retention; 'Trees in such a condition that they cannot realistically be retained in the context of the current land use [or their condition] for longer than 10 years'. (Trees would probably be removed for reasons of sound arboricultural management in any event). Coloured red**
 - **Category A:** 'Trees of high quality with an estimated remaining life expectancy of at least 10 years.' Coloured green.
 - **Category B: 'Trees of moderate quality with an estimated remaining life expectancy of at least 20 years' Coloured blue.**
 - **Category C:** 'Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm'. Coloured grey
 - **Sub categories 1, 2 or 3 assign respectively: 1;** mainly arboricultural qualities, 2; mainly landscape qualities, 3; mainly cultural values including conservation. **Note:** for example an A1 tree has the same retention priority as an A2 tree. A Some trees may qualify under more than one criterion.
- **Comments:** observations that may supplement assessments of condition or otherwise be significant.
- **Preliminary Management Recommendation:** Advice regarding tree surgery etc. Key: NW = No work. RP= Reduce to Previous Reduction Points. CR% = Crown Reduce (by % or m). CL = Crown Lift (to specified height AGL). CT = Crown Thin (by %). **Priority** (where specified) Priority 1 = Urgent works ASAP and certainly within 1 Month. Priority 2 = Complete within 12 months. Priority 3 = Non critical works to complete within 2 to 3 years.
- **RPA m2:** The Root Protection Area in square metres required by BS 5837.
- **RPA radius:** the radius of a circle of size equivalent to the RPA m2. The radius is taken from the centre of the tree plot.
- **RPA square:** the length of sides of a square equivalent to the RPA m2. the centre of the trunk of the tree to be positioned in the centre of the square

Radlett Place, London
NW8 6BD

TREE PROJECTS
THE MAISONETTE, 22 OLD PARK AVENUE
LONDON SW12 8TT

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E: treeprojects@hotmail.com M: 07788 726 720

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MEASUREMENTS / SCALE BAR OR REFER TO
ARBORICULTURIST

