Arboricultural Method Statement (AMS)

15 Hallett Rd Havant PO9 2PJ

August 2017

A tree report was written and submitted for 15 Hallett Rd in September 2016 following the recommendations and guidance given within British Standard 5837 2012 Trees in relation to design, demolition and construction and the National Joint Utilities Group: Guidelines for the planning, installation and maintenance of utility services in proximity to trees. Volume 4, issue 2. NJUG, 2007 (NJUG 4).

All trees of material consideration were inspected within and immediately adjacent to the proposed development site. The neighbouring oak tree T1 tree was listed in the report and annotated on the Tree Plan. Other neighbouring vegetation in the garden of 19 Glenleigh Park to the south are in fact overgrown shrubs which are approximately 4-5m in height and all are at least 2m to the south of the wall separating the plot from 19's garden. With more than 6m distance from the proposed foundations at their closest point along with none of their canopies extending into the garden of the plot these shrubs will not be affected by the proposed bungalow foundations.

The report concluded that the proposed development will partially encroach within the RPA (root protection area) of tree T1 but that the impact upon this tree will be low and no adverse effect is anticipated. Further to this a change to the proposal build reduces the encroachment to an insignificant amount (approx. 1.2m^2) with the bungalow being moved to the north and the proposed veranda using a no dig type construction method. To further minimise any impact the following methods set out the details that must be followed to ensure successful tree retention of T1.

1.1 The sequence of works should be as follows:

i) installation of tree protection measures

ii) installation of underground services if required;

iii) main excavation and construction;

iv) removal of tree protection measures;

vi) hard landscaping (if required)

vii) soft landscaping (if required)

1.2 Protective barriers /Ground Protection:

See attached site plan drawing for tree protection zone marked in blue line.

As part of the tree protection measures a re-located shed will be moved to form the site office. The base for the shed will be built using a concrete pad built on top of the existing ground level with only the top grass layer removed (approx. 75mm). No significant excavation of the RPA will occur.

In accordance with section 6.2.2.1 and 6.2.2.3 of BS5837 2012 the remainder of the protection zone will be protected with an alternative barrier using large tree (yew) logs that are already on site and will create the fencing edge of the area marked in blue.

This would be natural barrier to stop machinery driving over it for the duration of the foundation dig. The house to be built is a Passivhaus bungalow and the owners will be using offsite construction methods and craning the pre-built panels in from the drive so the only “heavy machinery” to be used for the build will be a mini digger to dig the foundations.

In addition, the owners will be project managing/undertaking much of the building (including the foundation digging) whilst living on site so would be able to make sure the root zone is protected.

1.3 Services:

No new services are anticipated either below ground and within RPAs or above ground and within the crown spread of retained trees. If the RPA of a tree is encroached by underground service routes then BS5837:2012 and NJUG VOLUME 4 provisions should be employed. If it is deemed necessary, further arboricultural advice must be sought.

1.4 Soft landscaping within RPAs:

Soft landscaping within RPAs of retained trees has the potential to cause damage and any adverse impact must be minimised by following the guidance set out in the accompanying appendix.
However, a review of the landscape proposals for the garden landscaping was undertaken, including the proposed planting of yew and pleached hornbeam hedges along the boundaries nears walls and tree T1. It has been concluded that they will have no detrimental impact on the any boundary wall or on the oak tree T1.

The planting of hornbeams as pleached trained trees along the eastern boundary is a clever and sensible design. The trees' ultimate size and root growth will be restricted by being maintained as this form of tree.

To check the foundations of the eastern boundary wall trial pits have been dug to assess their size and depth. These foundations were found to be substantial and near to 900mm deep. Tree roots typically remain within the top 600mm of the soil and coupled with the soil type and moisture conditions which are known in this area of garden the addition of pleached hornbeam trees will have their root systems extensively contained within the garden of 15 Hallett Rd and will not impact the foundations or structure of the wall. The planting of pleached hornbeams is highly unlikely to affect the brick wall now or in the future, either directly or indirectly, and will not require the use of special 'planting pits'.

1.5 Site supervision:

The Site Agent (who will be the owner) must be nominated to be responsible for all arboricultural matters on site. This person must be present on site for the majority of the time, be aware of the arboricultural responsibilities, have the authority to stop work that is causing, or may cause harm to the tree and ensure all site operatives are aware of their responsibilities to the trees on site and the consequences of a failure to observe these responsibilities; make immediate contact with the local authority and/or a retained arboriculturalist in the event of any tree related problems occurring.

1.6 Arboricultural supervision: The activities on this site that require arboricultural supervision and the number and/or frequency of site visits are listed in table 2 below. On this low impact scheme only minimal supervision will be required.

Activity	Supervision Required?	Number and/or frequency of site visits	Timing of site visits
Site access, movement and parking of construction traffic	No		Pre Construction/ demolition
Installation of barriers, ground protection and signage	Yes	1	Pre Construction/ demolition
Recommended tree works	No		Pre Construction/ demolition
Changes in soil levels within any RPAs	No		Construction
Excavation within any RPAs	No		Construction
Compaction within any RPAs	No		Construction
Location of: 1. site hut 2. temporary toilets 3. bonfires 4. cement mixing and washout areas 5. storage of materials	No		Construction
Installation or removal of hard surfaces within RPAs	No		Construction
Soft landscaping within RPAs	No		Construction
Work within areas of designated structural landscaping	No		Construction
Inspection of retained trees	No		Post construction
Recommended tree planting	No		Post construction

North

1m
4m
5m
10m

Scale 1:200@A3 - please do not scale off these drawings when printed out as transfer is not always accurate

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parking for two cars

existing foul water drainage

existing 1.8m wooden fence

bins on collection day

wall to be lowered to 900mm from end to first pillar to allow vision when pulling out of parking

bins

services box attached to wall cabling to here for intelligent EV charger to allow future EV battery to power house

15 Hallett Road

shed in garden of 1 Hallet Close

existing 1.8m wooden fence

shed in garden of 2 Hallett Close

existing site of shed to be re-located & 1.8m fence to be installed

15 Hallett shed

proposed greenhouse 3.2m x 3.4m x 2.4m high at ridge

proposed site the existing shed will be relocated to - 3.04m x4.88m x 2.5m high

15 Hallett G'house

1.8 metre high brick wall along whole of Eastern border

10,000 litre underground rainwater harvesting tank

existing greenhouse 1.96m x 2.5m in red

Outline of previous planning permission APP/16/01091 - in red

shed (estimated size)

shed (estimated size)

construction tree protection zone in blue as per tree report

greenhouse (estimated size)

area bounded in yellow is paved with stone (source Google Earth)

6600mm

log store

log store

proposed site of shed in APP/17/0665 -

Oak tree in tree report

HALLET CLOSE

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