

Arboricultural Impacts			
No.	Species	Proposed structure	Incursion
G1	Holm oak	Patio	RPA

Tree Work Schedule			
No.	Species	Works	Category
G2	Various	Partial removal of group. Fell shrubs to ground level; grind out stumps.	Gr
G3	Various	Partial removal of group. Fell shrubs to ground level; grind out stumps.	Gr
T1	Cultivated apple	Fell tree to ground level; grind out stump.	Gr
T8	Euconymus sp.	Fell tree to ground level; grind out stump.	Gr

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 Tree work - Recommendations.

All arising's are to be removed and the site is to be left as found.

Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber lorries, tractors, excavators or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

No. of individual trees to be removed			
U	A	B	C
0	0	0	2

No. of groups (partial groups) to be removed			
U	A	B	C

0	0	0	0 (2)
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Arboricultural Method Statement

All tree work is to be undertaken in accordance with British Standard
Please refer to Arbrech Consulting Ltd. Tree Schedule, Arboricultural
Method Statement and Tree Protection Plan, for full details of all
surveyed trees and how all aspects of the development maybe
implemented without detriment to retained trees.

Site investigations

Site investigations are to be undertaken within the RPAs of retained trees to determine the size, depth and location of any roots that may be present for the purpose of informing foundation design.

All excavation within the RPAs will be initially undertaken to a minimum depth of 800mm deep for any excavation or to the full depth of the proposed foundations, hand surfacing or underground services. The soils are to be loosened with the use of a fork or pick and then cleared with the aid of an air-spade and air-vac using a specialist arboricultural contractor. If an air-spade is not used and all excavations are to be undertaken using hand tools (forks, shovel, trowel, brush).

Soil will be loosened with the aid of a fork or trowel and the spoil removed with a shovel. Where an excavator, spade or specialist arboricultural contractor is not employed, all excavations are to be undertaken under direct arboricultural supervision. All roots are to be retained in situ and the project arborist will visit the site to record and photograph the depth, location, and size of any roots present; during this visit the project arborist may be able to cut specific roots to allow the tree to be retained. Where the project arborist is unable to cut the roots to be retained trees and all uncovered roots will be covered over with a minimum of two layers of damp hessian to prevent drying out, and where necessary be shuttered to prevent soil collapse or contamination. If appropriate soil beneath the depth of 800mm may be deep piled with any deeper excavations being undertaken by a machine with appropriate back-suction. Where appropriate a manual machine will be used. If a decision is made for a machine to be used it must be placed to move forward outside of the RPA or have appropriate ground protection in place to move and work upon.

Upon the completion of the site investigations all trial excavations are to be back filled with the original material or inert fill. It may be suitable to insert a root barrier in locations where the proposed roots are not present or are beginning to enter to prevent root activity within areas deemed to be root free.

Utility apparatus

Underground utility apparatus
Mechanical trenching for the installation of underground apparatus and drainage severs any roots present and can change the local hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the root and methods of installation of all underground apparatus. Wherever possible, apparatus should be routed outside of RPA's. Where this is not possible, it is preferable to keep apparatus together in common ducts, all inspection chambers should be sited outside of the RPA's

Where underground apparatus is to pass within the RPAs, detailed plans showing the proposed route should be drawn up in conjunction with the project arboriculturist. In such cases trenchless insertion methods should be used with entry and retrieval pits being located outside of the RPAs. If this option is not feasible and providing roots can be retained and protected excavations should be undertaken using hand held tools (air-spade, forks, shovels) or a combination of trenchless and manual excavation (broken trench).

Any design and installation should be undertaken in accordance with the National Joint Utilities Guidelines (NJUG).

Above-ground utility apparatus

Above-ground apparatus (including CCTV cameras and lighting) should be sited to avoid the need for detrimental tree pruning, as such the current and future crown size of the tree should be assessed.

Tree branches can be pruned back with care to provide space, though it is not appropriate for repetitive and significant tree work to bear initial design solution unless this is a suitable management outcome for the tree. Any pruning should be undertaken in accordance with BS3998:2010

Rev:	Date:	Notes:



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Client: Ms Kitmee Lim



Drawing: Arboricultural Impact Assessment







Based on:
1614.P10.0

Drawing No: Arbtech AIA 02	Rev: --
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Date: Mar 2017	Scale: 1:100 @ A1	Drawn: JCH
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Key:

Tree Nos.:	T2	Tree Canopies:		Trunks:	
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RPA's:		Category 'U' trees:		Category 'B' trees:	
Category 'C' trees:		Proposed layout:		Trees to be removed:	

Site investn.:					

This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of the site.

This drawing is not to be read as a definitive part of the engineering or construction designs or method statement. An architect or structural engineer should be contacted over any matters of construction, detailing or specification and for any standards or regulatory requirements relating to proposed structures, hard surfacing and underground services.

This drawing was produced in colour - a monochrome copy should not be relied upon.

