

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

operations. No equipment or vehicles such as timber lorries, tractors excavators or cranes shall be parked or driven beneath the crowns of

y retained trees, to prevent subsequent compaction and root death

that it does not become compacted as a result of tree surgery

Arboricultural Method Statement

Arboricultural Method Statement, for full details on all surveyed trees

and how all aspects of the the development maybe implemented

Please refer to Arbtech Consulting Ltd. Tree Schedule and

without detriment to retained trees

Supervised Excavation

All excavations within and immediately adjacent to RPAs are to be undertaken under direct on-site arboricultural supervision

Any roots that are to be cut will be cleanly severed by the project arboriculturist using a suitable hand saw or secateurs. The edge of all excavation closest to the retained trees will be covered over with damp nessian to prevent drying out, and where necessary be shuttered to revent soil collapse or contamination by concrete. If appropriate soil beneath the depth of the excavation may be sheet

piled, tegular piled or have individual piles installed. Manual excavation:

Excavations within the RPAs will be initially undertaken by hand under direct on-site arboricultural supervision to a minimum of 600mm deep (to be confirmed by the project arboriculturist), whether its is for proposed foundations, hard surfacing or underground services. The soil

is to be loosened with the use of a fork or pick and or air-spade and then cleared with a shovel and or the aid of an air-spade and air-vac. Mechanical excavation Excavation within the RPAs will consist of a mixture of mechanical and

manual excavation. Where an excavator is used it will be fitted with a suitably sized toothless grading bucket; using a grading / scrapping motion rather than digging. During each motion the excavator will not be permitted to

removing no more than 10 - 20mm deep of soil in any any one pass. If any roots are discovered, mechanical excavation will immediately be stopped and manual excavation will take over to expose the root. Upon the root being uncovered and either severed or protected the excavations can then continue

Any excavator or other machinery that is to be used will be situated outside of the RPAs of all retained trees or on top of a suitable ground Where an excavator or any other machinery is to be used within RPAs

or beneath canopies the project arboriculturist will clearly instruct the operator about what they want and expect to happen prior to any works may commence.

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 are to be initially undertaken to a minimum depth of 800mm deep for any excavation or to the full depth of the proposed foundations, hard surfacing or underground services. The soil is 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 from with the aid of a shovel. Where an air 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 recorded and photograph the depth, location, and size of any roots present; during this visit the project arborist may be able to cut specific roots with the use of a hand saw or secateurs. The edge of the excavation closest to the 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 sheet piled with any deeper excavations being undertaken by a machine with an appropriate bucket under direct arboricultural supervision. If a decision is made for a machine to be used it must work form 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.

ARBTECH

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Tree Protection Plan

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Athe Design Ltd.

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This drawing is not to be read as a definitive part of the engineering or construction designs or method state

d for any standards or regulatory requirements relating to proposed structures, hard surfacing or undergro