



Arboricultural Method Statement

45 HULBERT ROAD
WATERLOOVILLE
HAMPSHIRE
PO17 7NX

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1.0 INTRODUCTION

- 1.1 This arboricultural method statement has been produced at the request of Havant Borough Council in response to breaches of planning and tree preservation order legislation at 45 Hulbert Road, Waterloooville.
- 1.2 A large garage and two sheds were established within the root protection area (RPA) of trees on the site, several of which were subjects of TPO 1393. A large area of 'driveway' was established by the laying of tarmac directly onto the clay soil covering the root protection areas of several trees including the two mature Oaks. Electric cable has also been established within the RPAs of the trees to feed power to a few lampposts.
- 1.3 None of these works were undertaken with arboricultural input and this method statement provides the information to try and minimise the long-term damage to the trees health and stability due to damage and disruption within their rooting areas.

2.0 SEQUENCE OF EVENTS

All operations detailed here are to be supervised by Johnston Tree Consultancy and the tree officer will be advised at the start of each operation. Records including photographs of each visit will be taken and sent to the tree officer. It is proposed that operations will start in late spring 2018 when the ground conditions are more favourable.

2.1 REMOVAL OF TARMAC WITHIN RPAs OF AFFECTED TREES

Around the tree bases

The tarmac within two meters of the stems of the three Oak trees identified on the plan (Appendix 1) and within one meter of the smaller trees in the area shown is to be removed using hand tools only.

Within the rest of the RPAs

The tarmac will be removed carefully from the surface using a mini-digger operated from ground protection in the form of TuffTrax Mats (or similar if agreed with tree officer) to reduce further compaction within the root protection areas. The removal of the tarmac will start from the north adjacent to the shed and roll out across the RPAs to the line shown on the plan at Appendix 1.

2.2 REMOVAL OF ELECTRIC CABLES FEEDING LAMPSOSTS

All electric cables feeding the external power must be excavated using hand tools only and the soil voids infilled where they were laid.

2.3 DECOMPACTION OF SOIL WITHIN ROOT PROTECTION AREAS

Arborcall are to undertake soil decompaction using a radial method on RPAs beneath the three Oaks using an air spade. Areas are to be backfilled with a mixture of mulch and top soil. This area covers all the RPAs of the other smaller trees within the area presently covered by tarmac and ends at the line where the cabin and garage join.

2.4 TOP DRESSING AREA TO BE FENCED OFF

This area, shown on the plan at Appendix 1 is to be top-dressed. The use of TuffTrax Mats will ensure no soil compaction occurs during the delivering or spreading of the soil which will be undertaken by hand. A layer of quality top soil to a depth of 50mm will be spread within the RPAs of the trees. This will then be top dressed with grass seed or a layer of mulch 50mm depth. Soil will be placed from the north and work towards the new fence line which will follow the line from the northern edge of the garage as shown on the plan at Appendix 1.

2.5 INSTALLATION OF NO DIG DRIVEWAY

Within the area shown at Appendix 1, establishment is to be as follows:

Establishment of the access driveway within the RPAs must incorporate a 3D cellular confinement system and no-fines aggregate sub-base.

Ground preparation will ensure that the surface is as level as possible using hand tools only.

Sharp sand or no fines aggregate will be used where it is necessary to infill larger areas.

A non-woven geo-textile membrane overlapped by 300mm at joints; such as **Treetex T300** is to be secured in place with pins.

Placement of the cellular confinement system **Cell Web 100mm** will be stretched into position and pinned into place by reinforced steel pins. Sections will be stapled together to create a continuous mattress.

The web is to be filled with 20/40 clean angular granite based aggregate raked into place. Note; as soon as the Web has been filled it can be used without causing damage to the rooting area below.

Roll-out techniques should be used to ensure machinery is above the sub-base layer at all times.

Edging is to be comprised of sleepers pinned in place or gabions or other non-invasive ground contact structures.

Final surface is to be gravel.

2.6 FENCING

The fencing will be installed hand digging the hole for the posts. If any tree roots over 25mm diameter are encountered they will dictate these positions. These will be lined with DPM to prevent concrete leeching into the soil and damaging fine roots. A small pedestrian gate will be installed next to the garage to allow access to the garden.

3.0 CONTACTS

Arboriculturalist Sarah Johnston	07814 403 146 johnstontreeconsultancy@gmail.com
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4.0 CONTRACTORS

- 4.1 At this time no contractors have been appointed to undertake the removal of the tarmac, the introduction of the top soil or the installation of the no-dig driveway and fence. A copy of this document is to be shown to all personnel working on site during these activities.

