



Global Tree Care



Arboricultural assessment/method statement report for:

**16 CORNBROOK GROVE
WATERLOOVILLE
HAMPSHIRE
PO7 8RD**

Surveyed by Ian Lansley 8/9/2017

Instruction

To inspect and advise for:

Rootzone protection plan and arboricultural method statement for proposed extension at the above address.

Limitations

The survey was carried out from ground level and the tree(s) were not climbed. The conclusions have been drawn from my observations, experience and qualifications in arboriculture.

All dimensions recorded will show if they have been measured or estimated. Soil assessments at this time have not been undertaken.

Proposals

To extend to the rear of the property as shown below with the drawings being supplied by The Architect.

Drawings and documents

The following drawings have been supplied by the Architect Mr Andrew R Dunks. Unit 1 Basepoint Business Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH .

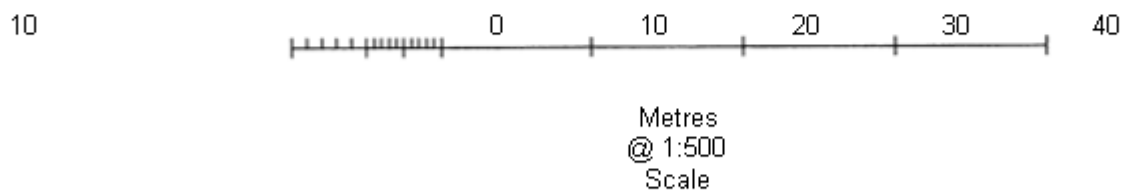


Site Layout Plan

CORNBROOK GROVE

16 Cornbrook Grove, Waterlooville
Scale - 1:500 @ A4 Page Size

Drawing No. 4710/500



Legal restrictions

Following contact with the local Council, and looking at the mapped locations, the following has been confirmed by the owner of the property.

No Tree preservation orders are on site.

The property does not fall into a conservation or protected area.

Summary of trees on site.

From the following photographs, it is possible to see that the boundary trees in question are young Ash (*Fraxinus excelsior*). All of these trees have been number marked and accurately measured. See below.



The measurements of the trees are:

Tree No. 02411	Height 9.7m	DBH 19cm
Tree No. 02412	Height 10.9m	DBH 20cm
Tree No. 02413	Height 9.3m	DBH 17cm

The closest tree to the proposed extension is Tree number 02411, at a distance of 5.36m. This has been measured to the closest corner of the proposed extension.

The root protection calculations are shown below for this tree (02411)

ROOT PROTECTION AREA (RPA) CALCULATOR

Single stem trees		
Diameter at 1.5m above ground level		
190 millimetres	RPA 16.3 m ²	See Note
	equates to circle with radius of	2.3 m
	equates to square with approx	4.0 m sides
	20% Offset	0.5 m

The calculated root protection area for the closest tree (T NO. 02411) has a radius of 2.3 m. This tree has been accurately measured to be 5.36m from the proposed foundations. As a result, there will be no infringement to the root protection area required for the closest tree.

Both tree No's 02412 and 02413 also fall well outside the required root protection area. The largest tree, (T No. 02412) measuring with a DBH of 20cm requires an RPA of 2.4m and measures 7.53m from the proposed works.

All of these trees are also growing from 0.90m - 1.0m above the existing garden level. See below.



This also reduces any impact to the root protection area of the trees in question. Ash (*Fraxinus excelsior*) is a very shallow rooted tree, especially at the age of the trees exhibited by their dimensions.

Due to the original “cutting” for the house or the embankment of the A3 and planted as a “noise screen” these trees will pose little or no threat in the way of root encroachment to standard foundations.

No doubt these trees will continue to grow. In which case, I recommend that along the foundation a root protection barrier should be installed (high density plastic roll). This can be easily purchased at little cost and be placed before the foundations to the proposed extension are poured to the outside of the foundations.

There will be no requirement for any root protection areas for the following reasons.

1. The RPA does not come close to the proposed structure.
2. The trees are already growing 0.9-1.0m above the proposed works and the roots will not penetrate into the construction area.

Arboricultural requirements.

Due to the proposed structure, there are a few small overhanging branches which may interfere with the scaffold. This will not pose a problem. These branches can be pruned back with hand held secateurs with no detriment to tree health. See below.

Tree Numbered;

02411

02412

02413



There is a small amount of lower branch (Fluff) which can be removed if required from T No. 02411 causing very little or no damage to the tree health.

Conclusions

Having thoroughly surveyed the trees, finding no fungal infection or disease, and compared the plans with the existing ground conditions, I cannot see any significant issues with the proposed planning on this property, if the above recommendations are followed.

Signed

Ian Lansley

10/9/2017

