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Arbor Real

Tree Analysis Service

Tree Report

Arbor Real *Tree analysis service*

David E. Sotheran, Rock Villa, 60, Pleasley Road, Whiston, Rotherham. S60 4HD

Tel: 01709 374689

Email: sotheran57@hotmail.com

Tree Inspection

Client name: Mr C. P. Hadfield

Address: 23, Newlyn Drive
Monk Bretton
Barnsley
S71 2AN

Site address: Top Fold
Doncaster Road
Ardesley
Barnesley
S71 5EJ

Reason for inspection: Proposed development.

Date of inspection: Wednesday, 26 September 2012

Inspection carried out by: David E. Sotheran

Site and nature of tree stock

The site is within a small housing complex known as 'Top Fold' to the North side of Doncaster Road. The area is the remnant of maintained grass area with a raised border running roughly N - S along the Eastern boundary. It is surrounded on three sides by existing properties, some well-established and with one recently built detached residence.

There is a shared drive from the main road into the site which is at a slightly higher level.

There are four mature trees on the site all of a similar size and distance apart suggesting that they were originally planted as a screen and/or windbreak.

There are no similarly mature trees in the immediate area except on the opposite side of Doncaster Road. The size and topographical position of the trees makes them a distinct feature of the area and , as a consequence, they are subject to Preservation Orders.

Tree 1 -3 have been crown lifted to approx. 8m in order to reduce wind resistance and admit light to the adjacent bungalow garden area to the East of the site. This work has been carried to an acceptable standard within the recommendations of BS 3998. The pruning cuts are callusing naturally and evenly. There is some epicormic growth where the pruning has been carried out which should be removed before it is too established.

All of the trees are in good condition - i.e. showing no structural defects or disease symptoms. Leafing is good and even and there is no major dead wood in the crowns.

T4 has an established Ivy growing into it which will hinder future maintenance and further inspections This needs to be severed at the base.

Initial recommendations

The design of the site must take into account the constraints on the four protected trees.

The RPA (Root Protection Area) produced in this report should be regarded as a CEZ (Construction Exclusion Zone) and be kept free of all construction activities as detailed below.

Retained trees should be protected in accordance with BS 5837 and the RPA/CEZ should be shown on all working drawings of the site.

The site should be periodically monitored by an arborist to check that the above procedures are being adhered to.

As the trees are situated along the N - S edge of the site there should be no conflict between the proposed development and the existing trees.

It is recommended that the trees are periodically inspected from the date of the completed development to monitor their progress.

Construction Exclusion Zone (CEZ).

The following precaution should be taken within the CEZ:

- Protective fencing to be erected prior to any site development taking place.
- No materials, machinery, chemicals or fuel are to be stored within the RPA for the duration of the development.
- The ground levels within the RPA are not to be raised or lowered without the consent of the Local Planning Authority and in accordance with the approved plans.
- Any existing vegetation within the RPA is to be treated with Glyphosate prior to removal.

Existing vegetation should be removed by hand and not by machinery.

Protective measures outside the CEZ.

- Care should be taken with high loads, plant and/or booms to minimise damage to aerial parts of the trees.
- Contaminating materials e.g. concrete mixings, diesel oils, vehicle washings etc. should not be discharged/carried out within 10m of the tree stem.
- Fires should not be lit where flames or heat can extend within 5m of the crown area. Wind direction and size of fire should be taken into consideration.
- No notice boards, cables or other services are to be attached to any part of the trees.

Installation of new services.

No new services should be installed within the RPA. Any upgrading would need to be carried out with the advice of an arborist and with the consent of and using a method approved by the LA (Local Authority).

Any accidental damage sustained to the trees should be made good ASAP by qualified arborist.

Statutory wildlife obligations:

The Wildlife and Countryside Act 1981/ Countryside Rights of Way Act 2000 provide statutory protection for birds, bats and other species that inhabit trees.

Tree schedule and explanatory notes. (BS 5837)

Tree no: Corresponding to number on plan.

Species: Common and scientific names.

Height:

Stem diameter: Measured at 1.5m from ground level. T4 (double stemmed) measured at ground level.

Branch spread: Because of access restrictions measured from tree into site.

Physiological
Condition:

Structural
Condition:

Management
Recommendations:

Est. Contributing
Years:

British Standard
Category: A, B, C or R

TREE SURVEY SCHEDULE

<u>Tree Ref. No.</u>	T1	T2	T3	T4
<u>Species</u>	Sycamore <i>Acer pseudoplatanus</i>			
<u>Height</u>	18m	20m	18m	20m
<u>Diameter</u>	509mm	700mm	572mm	700m (From base)
<u>Spread (into site. W)</u>	4.5m	7m	5m	6m
<u>Physiological Condition</u>	good	good	good	good
<u>Structural Condition</u>	good	good	good	good
<u>Management Recommendations</u>	-	-	-	Sever ivy.
<u>Estimated cont. Years</u>	10 - 20	10 -20	10 - 20	10 -20
<u>BS Category</u>	B	B	B	B
<u>RPA</u>	117 m2	222 m2	148 m2	222 m2
Radial Distance from trees	6.10m	8.4m	6.9m	8.4m

Plan showing radial distance of RPA (Root Protection area) from trees 1 – 4.

Not to scale

- 1) This drawing and the design and details depicted thereon are the copyright of Peter Dimberline Chartered Architect.
- 2) All dimensions on this drawing are to be checked by the Contractor and any discrepancies are to be reported to the Architect.
- 3) Do not scale critical dimensions off this drawing.
- 4) Contractor to ensure that all Health & Safety requirements (CDM Regulations) in relation to this project will be complied with.

