

MICHAEL COOPER M.ARB. Dip. P.R.A.
ARBORICULTURAL CONSULTANT



**32 Parkland Close
Rossington
Doncaster
South Yorkshire
DN11 0BH
Tel No: 01302 868733
Email: lynne@dawyckgold.fsnet.co.uk**

**Tree Surveys
Mortgage Tree Surveys
Planning Applications
Planning Appeals
Public Enquiries
Expert Legal Witness**

Our Ref MC

8th May 2009

Dear Russell,

ARBORICULTURAL SURVEY, 'HILLCREST, EPWORTH

I refer to your request for an Arboricultural survey at the above site. The following points are now outlined for your attention.

- 1 The trees on this site are a mix of evergreen and deciduous species with a varying age range. The majority of these are internal to the site and as such are not generally visible in the main Epworth street scene but nevertheless are visible to surrounding properties.
- 2 The short row of Leyland's Cypress is in a very poor condition and as such their removal has been recommended. The Cedar tree marked as T5 is currently designated as a young tree and is not of a size that would make its loss detrimental to the areas treescape in general. If this tree were to be removed to facilitate the development, it would have to be replaced with a semi-mature tree grown in a large container with a minimum size of 200-300litre capacity. The stem size of the tree would need to be a minimum of 20-25cm.
- 3 On the aspect of tree retention all development on site should comply with the requirements of ***British Standard Institute Specification 5837 Trees in relation to construction; 2005.***

- 4 Any new tree/shrub planting should comply with ***British Standards 4043:1989, Transplanting root-balled trees and British Standard Institute Specification 3936: 1992, Nursery Stock Part 1. Specification for Trees and Shrubs.***
- 5 All tree surgery work should be carried in accordance with ***British Standard Institute Specification 3998, Tree Surgery work.***
- 6 The site should be checked for the existence of any ***Tree Preservation orders, Conservation areas, Sites of Scientific Interest, Areas of Outstanding Natural Beauty, any deeds of covenant or/and other statutory instruments that may apply.***

Yours sincerely,

A large black rectangular redaction box covering the signature area.

M. Cooper.

Russell Baxendale,
The Old Barn
Lower Burnham
Epworth
DN9 1DB

KEY TO M. COOPER TREE SURVEY HEADINGS

TR NO = TREE NUMBER

SPECIES= TREE SPECIES

HGT= OVERALL HEIGHT

STEM DIAM=TRUNK DIAMETER WHEN MEASURED AT 1.5 METRES FROM GROUND LEVEL

BR SPREAD = BRANCH SPREAD IN METRES ON ALL DIRECTIONS

HGT OF CRN CLRN= HEIGHT OF CROWN CLEARANCE TO THE BOTTOM BRANCH

AGE = YT= YOUNG TREE, SM = SEMI MATURE, M =MATURE, OM = OVER MATURE, VT = VETERAN

PHYS COND=PHYSIOLOGICAL CONDITION IE GOOD, FAIR, POOR, DEAD

STRUCTURAL CONDITION=OVERALL CONDITION, WEAKNESSES, DEFECTS ETC

PRELIMINARY MANAGEMENT RECOMMENDATIONS=SUGGESTED TREE SURGERY WORK

CAT = CATEGORY IN ACCORDANCE WITH BRITISH STANDARD INSTITUTE SPECIFICATION 5837 2005 FOR TREES IN RELATION TO CONSTRUCTION; RECOMMENDATIONS.

SS=SINGLE STEM TREE

MS= MULTI-STEM TREE

S=SHRUB OR SHRUBBERY

W=WOODLAND AREA OR WOODED PERIMIETER/SCREEN

H=HEDGELINE

G=GROUP

NB. WHEN ANY REFERENCE IS MADE IN THE REPORT ON WOUNDS OR A HEIGHT MEASUREMENT, THIS IS TAKEN AS BEING FROM GROUND LEVEL

R D	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLRNM m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
	Taxus baccata, Yew.	8m	330mm	N 4.8m E 4.0m S 4.4m W 3.2m	1m	M	Fair	<p>Main trunk divides to three at 1.2m with all stems paralleling each other through the crown.</p> <p>The smallest of the stems to the north is crossing and rubbing at several points.</p> <p>The base of the main trunk is only 150mm from the small boundary wall.</p> <p>Elderberry growing from the base of the main trunk.</p> <p>Normal amount of minor dead twigs typical for a Yew tree.</p>	<p>Remove smallest stem.</p> <p>Remove elderberry at the basal area.</p>	40	B2

	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLRNM m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
	X Cupressocyp. leylandii Leyland's Cypress.	13m	310mm	N 2.9m E 2.0m S 3.1m W 1.9m	4m	M	Poor	<p>One main trunk throughout the overall crown.</p> <p>The majority of the lower branches are dead or dying due to the shade factor from adjacent vegetation i.e. the Yew T1 and other smaller Leyland's Cypress.</p> <p>The first healthy branch in the crown arises at 6m. This conifer is part of a short line of Leyland's Cypress probably planted as a small screen at the base of the garden.</p>	Remove and replant.	10	C3
	Populus nigra 'Italica' Lombardy Poplar.	20m	635mm	N 2.7m E 2.0m S 4.3m W 3.3m	5m	M	Fair	<p>One main trunk throughout the overall crown.</p> <p>The crown to the north west is slightly suppressed possibly due to the extensive and dense Ivy growth running through the entire height of the tree. It is also being suppressed by T6 and the smaller Leyland's Cypress.</p>	<p>Remove the adjacent smaller Leyland's Cypress.</p> <p>Remove Ivy.</p>	10	C3

ID	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLR m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
4	Fraxinus excelsior Common Ash	11m	260mm	N 4.5m E 3.5m S 3.7m W 3.3m	2.5m	M	Fair	Main trunk divides to two at 2.2m with both stems paralleling each other through the crown. Minor ivy growth on the main trunk. Minor dead wood within the crown Some lower branches have been shortened but not back to the main trunk or any other suitable pruning point.	Remove Ivy. Prune lower branches back in accordance with BS 3998.	40	B2
5	Cedrus deodora, Himalayan Cedar	8m	170mm	N 2.4m E 1.5m S 2.1m W 2.4m	0.5m	YT	Fair	One main trunk through the crown. Several lower branches have been removed but this has been carried out poorly with resultant stubs left in situ. Minor ivy growth on the main trunk	Prune lower branches back in accordance with BS 3998. Remove Ivy.	40	C3

R O	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLR m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
6	Acer pseudoplatanus, Sycamore.	16m	570mm	N 7.6m E 5.5m S 8.1m W 5.2m	5m	M	Fair	<p>Main trunk divides to two at 2.5m.</p> <p>Extensive Ivy on the main trunk and into the overall crown.</p> <p>The base of this trunk is in contact with the low boundary wall.</p> <p>Some lower branches have been shortened poorly</p> <p>Some crossing and rubbing branches.</p> <p>Minor damage to some of the bark on the lower branches, possibly squirrel damage</p>	<p>Prune lower branches back in accordance with BS 3998.</p> <p>Remove Ivy.</p> <p>Remove crossing and rubbing branches.</p>	20	C3

R O	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLRNM	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
7	Aesculus hippocastanum, Horse Chestnut.	19m	1280mm	N 10m E 8.4m S 9.3m W 7.7m	1.5m	M	Fair	<p>Main trunk divides to two at 3.5m.</p> <p>This is a huge tree.</p> <p>Minor limb to the south is broken at a distance of 1m from the main trunk and is decayed at the point of damage. The extent of this decay has not been determined.</p> <p>Extensive tree surgery work has been carried out to the crown to the east with numerous limbs having been reduced/shortened. Some major limbs have been removed completely and some lower limbs have been shortened.</p> <p>The area surrounding the tree has been covered with tarmac but a suitable area around the immediate basal area on the main trunk has been left tarmac free</p>	No work required but this tree is the responsibility of the adjacent 'Church Hall'	40	B2

ROOT PROTECTION ZONE

The attached sheet(s) provide the root protection areas for each tree on site that is recommended for retention. This allows for developers to calculate the distance within which they can build in proximity to each tree.

I have provided two figures, these being;

The Overall Root protection zone.

This is in effect the total area around the trees canopy and rooting area which is required to be kept free of any development or encroachment to ensure it survives the development and post development period.

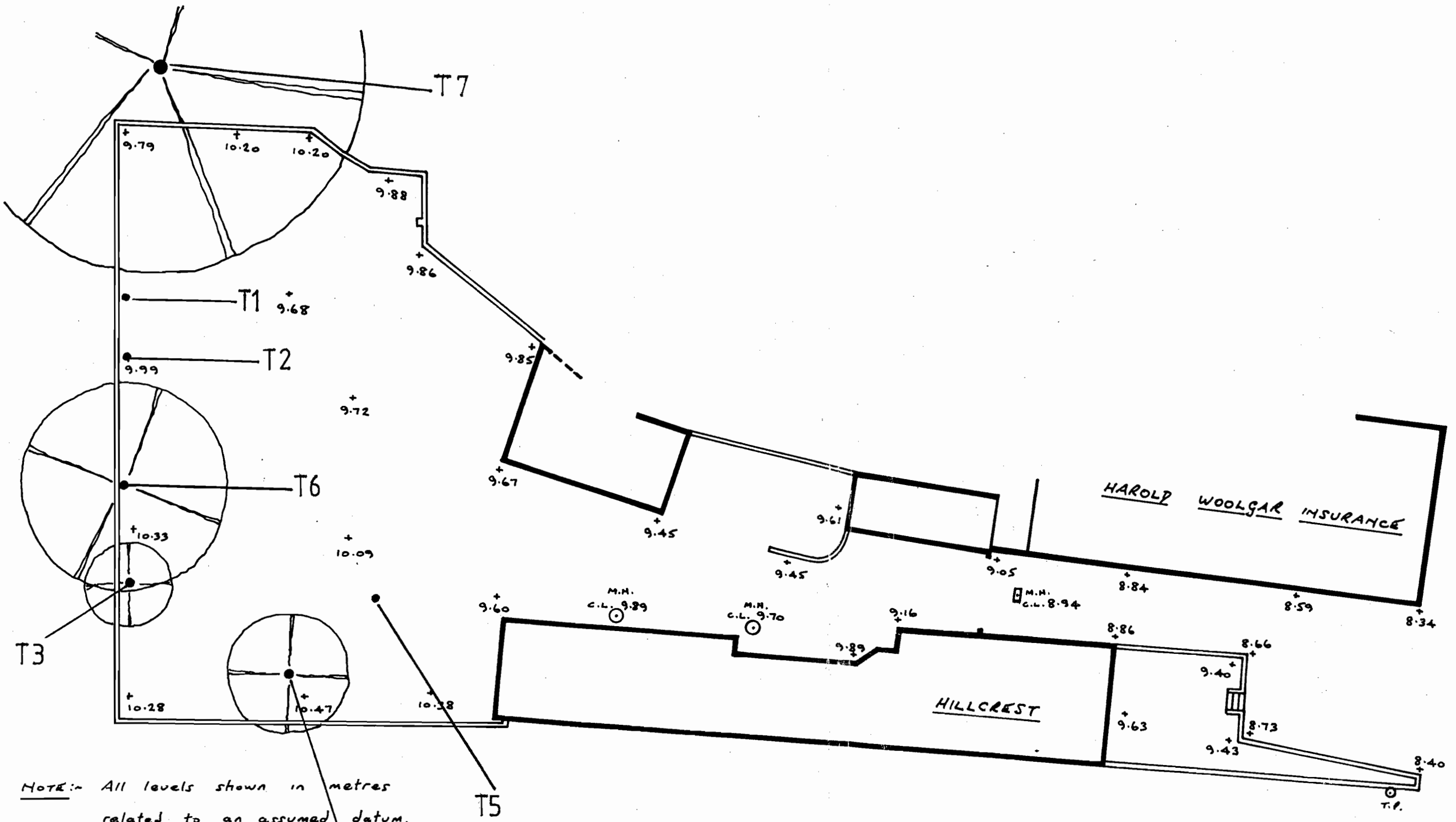
The Root Protection Radius

This is the radius of any area necessary to meet the requirements of the overall root protection zone. This should ideally be applied across the full width of the trees canopy.

NB These calculations are in accordance with the requirements of the British Standard Institute Specification 5837, 2005

City of Cambridge
Public Works

TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
T1	Taxus baccata, Yew.	330mm.	3.96m.	49.27 sq mt.
T2	X Cupressocyparis. leylandii Leyland's Cypress.	310mm.	3.72m.	43.48 sq mt.
T3	Populus nigra 'Italica' Lombardy Poplar.	635mm.	7.62m.	182.44 sq mt.
T4	Fraxinus excelsior Common Ash.	260mm.	3.12m.	30.59 sq mt.
T5	Cedrus deodora, Himalayan Cedar.	170mm.	2.04m.	13.08 sq mt.
T6	Acer pseudoplatanus, Sycamore.	570mm.	6.84m.	147.00 sq mt.
T7	Aesculus hippocastanum, Horse Chestnut.	1280mm.	15.36m.	741.29 sq mt.



NOTE:- All levels shown in metres related to an assumed datum.

HILLCREST HIGH STREET EPWORTH. 1:200