

## TREE SURVEY REPORT

**Location:** 25 Adamson Road, NW3 3HT

**Date and time surveyed:** 1<sup>st</sup> December 2006 @ 0830

### SUMMARY:

A survey of trees in adjoining properties and within close proximity (6 metres) of the proposed development at the rear of the above property was undertaken on the above date.

The survey describes their current condition and recommends suitable maintenance work where appropriate. It also makes recommendations to protect the trees where they are liable to be influenced by the proposed development and to, where achievable, conform to the requirements of BS 5837: 2005 Trees in Relation to Construction.

### CONDITION SURVEY:

The trees were surveyed on the date and time shown above and the tree survey assessment information for each tree describing size, condition, surroundings and other factors, is shown in *Appendix A*.

### SCHEDULE OF PHOTOGRAPHS:

Photo No.	Description
1	Tree T3 from rear of house
2	Close up of tree T3 from rear of house
3	Trees T1 and T2 from rear of house
4	Close up of tree T1 from rear of house



### TREE PROTECTION RECOMMENDATIONS:

#### Reference Standards and Regulations

##### **BS 5837:2005**

##### ***Trees in relation to construction. Recommendations***

ISBN: 0580464180

**Cross References:** BS 3998:1989\*BS 4428:1989\*BS EN ISO 11091:1999\*PAS 100:2005\*Town and Country Planning Act 1990\*Forestry Act 1967\*Wildlife and Countryside Act 1981\*Conservation (Natural Habitats etc.) Regulations 1994 \*Countryside and Rights of Way Act 2000\*Hedgerows Regulations 1997\*Construction (Design and Management) Regulations (CDM) 1994\*Environment Act 1994\*NHBC Standards. Chapter 4.2:1999\*BS 8206-2:1992\*



**Project References:**

- Drawing Ref: EX10 and EX11 Rev:A – Edgley Design

**Tree Protection Measurements – as rec. by BS 5837**

Tree Number	Tree Protection Zone (TPZ) Radius	Tree Protection Zone Area
T1	6.6 metres	136.8 sq. metres
T2	5.4 metres	91.6 sq. metres
T3	9 metres	254.3 sq. metres

**Effect of the Project Proposals on Trees within the survey:**

The Project proposals indicate that the maximum depth of excavation will be 4.0 metres and that this will take place at no closer than 3.5 metres radius from the centre point of the three trees concerned. This falls within the TPZ as indicated above. However, providing the recommendations for protection shown below and the recommended maintenance work described are undertaken, this will mitigate the likely effect of the proposed works on the trees concerned.

**Protection Recommendations:**

1. No materials, substances, plant or machinery are to be stored within 3.5 metres radius of the 3 trees identified within the survey. A suitable storage area should be defined within the development site and away from the tree root zones concerned.
2. Ensure there is no excavation below 300mm within 3.0 metre from main stem of all trees identified within the survey.
3. Only a Qualified Arborist should prune any roots in excess of 75mm that are encountered during the operations. To prevent unnecessary damage to the roots it is advised that any excavations below 300mm are carried out very carefully or by hand if at all possible.
4. If the root mass encountered when excavation is carried out it would be prudent to install a 'root barrier' around the external wall of the building at a distance of 500-750mm to assist in preventing potential future structural damage from tree roots.
5. Interim inspection of the trees for continuing protection during the building works would be advisable and should be undertaken by a suitably qualified Arboriculturalist.
6. Once the building work is complete the trees should be inspected to ensure no damage has occurred, that they have responded to the mitigation work and that they are still appropriately healthy for their age.



7. Beyond this the trees should also be inspected every 4 years by a suitably qualified Arboriculturalist, with appropriate management recommendations made as required.

#### **RECOMMENDATIONS FOR MAINTENANCE:**

1. Tree T1 - Remove all deadwood, basal growth, and Ivy and epicormic growth throughout the crown. Reduce crown on the side nearest the excavation by a maximum of 750mm back to the nearest lateral and balance the remainder. Thin crown by 10%.
2. Tree T2 - Remove all deadwood, basal growth, and Ivy and epicormic growth throughout the crown.
3. Tree T3 – Remove all Ivy. Re-pollard back to original pollarding points at around 8 metres.
4. Every 4 years carry out professional Arboricultural inspection and recommend any maintenance / future management requirements.

This report and the opinions within it have been produced without prejudice by:

***Richard Wassell***

**19. XII. MMVI**



**Appendix A****TREE SURVEY INFORMATION****LOCATION: 25 Adamson Road, NW3 3HT****DATE : 1<sup>st</sup> December 2006**

TREE NUMBER	1	SPECIES	Tilia X europaea
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## TREE STATISTICS:

AGE: Circa	DBH: 550mm	DNPB: n/a	DNT:
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## HEIGHT CATEGORY:

<6	6/9	9/12	12/15	15/18
18/21	21/24	24/27	27/30	>30

## CROWN SPREAD CATEGORY:

<6	6/9	9/12	12/15	15/18
18/21	21/24	24/27	27/30	>30

## TREE CONDITION:

VIGOUR:	GOOD	NORMAL	POOR
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DIEBACK %	None	PREVIOUS WORK	Yes – see comments @ end
EPICORMIC GROWTH %	20	BASAL GROWTH	Yes
STEM DAMAGE	No	WIND DAMAGE	No
BREAKOUT	No	CAVITIES	None visible
FUNGAL INFECTION	None visible	INSECT INFECTION	No
ROOT DAMAGE	No	RAISED BED	No
SURROUNDING AREA	0.5 m from side brick boundary wall.	CO-DOMINANT STEMS	No

## RISK EVALUATION:

SUBSTANTIAL	MODERATE	TOLERABLE
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DIRECT	No	SOIL PROFILE	Not undertaken
IN-DIRECT	No	TREE ROOT ANALYSIS	Not undertaken

## AMENITY VALUE:

HIGH	MEDIUM	LOW
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MATURE SPECIMEN	Yes	UNUSUAL / RARE TREE	No
WILDLIFE VALUE	Yes	NATIVE	No
LANDSCAPE VALUE	Some	STREETCENE	No
PROMINENT POSITION	No	PART OF GROUP / AVENUE	No

DBH = diameter @ 1.5 metres above ground level

DNPB = distance to nearest point of building

DNT = distance to nearest tree

LONDON: 7 Devonian Road, Islington N1 8JQ [02073598608]

EAST ANGLIA: Fleece Cottages, Mendlesham, Suffolk IP14 5RX [01449767706]



TREE NUMBER	2	SPECIES	Tilia X europaea
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## TREE STATISTICS:

AGE: Circa	DBH: 450mm	DNPB: n/a	DNT:
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## HEIGHT CATEGORY:

<6	6/9	9/12	12/15	15/18
18/21	21/24	24/27	27/30	>30

## CROWN SPREAD CATEGORY:

<6	6/9	9/12	12/15	15/18
18/21	21/24	24/27	27/30	>30

## TREE CONDITION:

VIGOUR:	GOOD	NORMAL	POOR
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DIEBACK %	Yes 10%	PREVIOUS WORK	Yes – see comments @ end
EPICORMIC GROWTH %	20%	BASAL GROWTH	Yes
STEM DAMAGE	No	WIND DAMAGE	No
BREAKOUT	No	CAVITIES	None visible
FUNGAL INFECTION	None visible	INSECT INFECTION	No
ROOT DAMAGE	No	RAISED BED	No
SURROUNDING AREA	0.5 m from rear brick boundary wall.	CO-DOMINANT STEMS	No

## RISK EVALUATION:

SUBSTANTIAL	MODERATE	TOLERABLE
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DIRECT	No	SOIL PROFILE	Not undertaken
IN-DIRECT	No	TREE ROOT ANALYSIS	Not undertaken

## AMENITY VALUE:

HIGH	MEDIUM	LOW
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MATURE SPECIMEN	No	UNUSUAL / RARE TREE	No
WILDLIFE VALUE	Yes	NATIVE	No
LANDSCAPE VALUE	No	STREETCENE	No
PROMINENT POSITION	No	PART OF GROUP / AVENUE	No

DBH = diameter @ 1.5 metres above ground level

DNPB = distance to nearest point of building

DNT = distance to nearest tree



TREE NUMBER	3	SPECIES	Populus nigra
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## TREE STATISTICS:

AGE: Circa	DBH: 750mm	DNPB: 3m	DNT: n/a
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## HEIGHT CATEGORY:

<6	6/9	9/12	12/15	15/18
18/21	21/24	24/27	27/30	>30

## CROWN SPREAD CATEGORY:

<6	6/9	9/12	12/15	15/18
18/21	21/24	24/27	27/30	>30

## TREE CONDITION:

VIGOUR:	GOOD	NORMAL	POOR
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DIEBACK %	No	PREVIOUS WORK	Yes – see comments @ end
EPICORMIC GROWTH %	20%	BASAL GROWTH	No
STEM DAMAGE	No	WIND DAMAGE	No
BREAKOUT	No	CAVITIES	Probably @ pollard points
FUNGAL INFECTION	None visible	INSECT INFECTION	No
ROOT DAMAGE	No	RAISED BED	No
SURROUNDING AREA	Abutting next door rear boundary brick wall	CO-DOMINANT STEMS	No

## RISK EVALUATION:

SUBSTANTIAL	MODERATE	TOLERABLE
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DIRECT	Possible – from pollard break out	SOIL PROFILE	Not undertaken
IN-DIRECT	No	TREE ROOT ANALYSIS	Not undertaken

## AMENITY VALUE:

HIGH	MEDIUM	LOW
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MATURE SPECIMEN	Yes	UNUSUAL / RARE TREE	No
WILDLIFE VALUE	Yes	NATIVE	No
LANDSCAPE VALUE	Yes	STREETCENE	No
PROMINENT POSITION	No	PART OF GROUP / AVENUE	No

DBH = diameter @ 1.5 metres above ground level

DNPB = distance to nearest point of building

DNT = distance to nearest tree



**MAINTENANCE RECOMMENDATIONS:**

LIFT CROWN – Ht. above g.l.		REDUCE CROWN % or length	T1 by a maximum of 750mm to nearest lateral on development side of crown and balance remainder.
THIN CROWN %	T1 by 10%	DEADWOOD	T1 and T2
SCAFFOLD POLLARD – HT.		POLLARD – HT.	
RE-POLLARD – HT.	Re-pollard T3 to original pollarding points at around 8 metres.	FORMATIVE PRUNE	
FELL		GRIND STUMP	
COPPICE		REMOVE BASAL GROWTH	T1 and T2
REMOVE EPICORMIC GROWTH	T1 and T2	OTHER	Remove Ivy on T1, T2 and T3

**COMMENTS:****Tree T1:**

- Crown previously reduced.
- Approximately 60% Ivy cover of crown.

**Tree T2 :**

- Tree not in particularly good condition and showing dieback from the top.
- Approximately 80% Ivy cover of crown.

**Tree T3 :**

- Previously pollarded at around 8 metres with strong re-growth from that point.
- Potential for breakout of re-growth at original pollard points.
- Approximately 70% Ivy cover of crown.

DBH = diameter @ 1.5 metres above ground level

DNPB = distance to nearest point of building

DNT = distance to nearest tree





Photo 1



Photo 2



Photo 3



Photo 4