

Arboricultural Impact Assessment to B55837:2012

Country Court Care

**Marling Court, Care Home
Bramble Lane,
Hampton,
Middlesex,
TW12 3XB**

01 May 2024

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If this report has been released electronically the appendices referred to herein can be found in the annexed zip folder/s as .pdf files. If this report has been released in hard copy the appendices will be bound into the back of this report. Plans are annexed separately as A0, A1, A2 or A3 as appropriate.

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Introduction

Arbtech Consulting Limited (Arbtech) received written instruction on 16 April 2024 from Country Court to attend Marling Court Care Home, Bramble Lane, Hampton, London, TW12 3XB; grid reference, TQ 12844 70880 (site) to undertake an arboricultural survey to BS5837:2012 guidance to assess trees, hedges and major shrub groups growing on and within influencing distance of the site and to produce a Schedule of trees, Tree Constraints Plan and Arboricultural Impact Assessment.

Site location

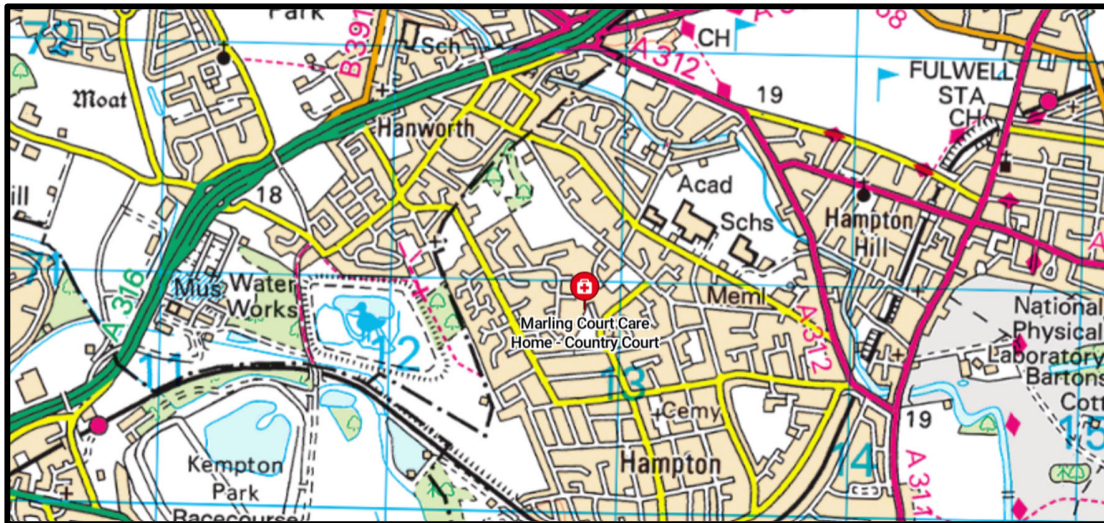


Figure 1: OS Map (Bing Maps)



Figure 2: Aerial Image of site with approximate blue line survey boundary (Bing Maps)

Executive Summary

This report describes the extent and effect of the proposed development at the site on individual trees and groups of trees within and adjacent to the site.

Trees within the site were surveyed; using a methodology guided by British Standard 5837:2012 ‘Trees in relation to design, demolition and construction – Recommendations’ (“BS5837”).

Subsequently, this report has been produced, balancing the layout of the proposed development against the competing needs of trees. This report comprises all of the requisite elements of an arboricultural implications assessment, method statement and supporting plans.

Checklist for Submission to Local Planning Authority

Tree survey	<input checked="" type="checkbox"/>
Tree constraints plan	<input checked="" type="checkbox"/>
Arboricultural impact assessment	<input checked="" type="checkbox"/>

This report and its appendices follow precisely the strategy for arboricultural appraisal intended to provide local planning authorities with evidence that trees have been properly considered throughout the development process.

Proposal



General Information

Client: Country Court Care

Site: Marling Court Care Home, Bramble Lane, Hampton, London, TW12 3XB.

Brief proposal description: Construction of extension to existing care home facility.

Table 1: Documents referred to.

Document	Reference No.
Topographical Survey	2075
Proposed layout drawing	0227 (10) 003
Landscape master plan drawing	N/A
LPA pre-app comments	N/A
British Standard 5837:2012	"BS5837"
Arboricultural Impact Assessment	Arbtech AIA 01

Tree Survey

Survey: An arboricultural survey to BS5837 of all trees within impacting distance of the site was undertaken by Rob Dennis of Arbtech Consulting on 24th April 2024. Details for each of the trees surveyed are provided in the Schedule of Trees (see Appendix 1)

Table 2: Documents upon which this tree survey has been based:

Document	Originator	Reference Number	Title
Survey base drawing	Blue Plan	File name – 2075 Linestyle Marling Court	Topographical Survey

Limitations: The survey was made at ground level using visual observation only. Detailed examinations, such as climbing inspections and decay detection equipment were not employed, though may form part of the survey’s management recommendations. Measurements were taken using specialist tapes, laser and GPS devices. Where this was not possible, measurements are estimated.

Scope: Pre-development tree surveys make arboricultural management recommendations based exclusively upon the individual tree or group of trees condition relative to their present context (*i.e. not in relation to the proposed development*).

Legal Status: No statutory protection check has been performed. BS5837 does not draw any distinction between trees subject to statutory protection, such as a Tree Preservation Order (“TPO”), and those trees without. This is principally because a detailed planning consent overrides any TPO protection. Consequently, we do not seek to offer any comparison between or infer any difference in the quality or importance of TPO trees and other trees.

* For more information on the surveyed trees please see Arbtech Consulting Ltd, Tree Survey Schedule (Appendix 1), Tree Survey Report and Tree Constraints Plan.

Arboricultural Impact Assessment

Table 3: Documents upon which this assessment has been based:

Document	Originator	Reference Number	Title
Survey base drawing	Blue Plan	File name – 2075 Linestyle Marling Court	Topographical Survey
Proposals	Linestyle Studio	0227 (10) 003	Proposed Site Plan

There are a number of issues that may need to be addressed in an arboricultural impact assessment between the trees and the proposed development, these are as follows:

- The effect and extent of the proposed development within the root protection areas (RPAs) of retained trees;
- The potential conflicts of the proposed development with canopies of retained trees; and
- The likelihood of any future remedial works to retained trees beyond which would have been scheduled as a part of usual management.

Issues Addressed:

The proposed footpath causes an incursion into the RPA of trees T3 & T4. The required excavations within RPA are to be undertaken manually under arboricultural supervision.

Table 4: Impacts upon the RPAs of retained trees:

Tree Number	Species	Structure	Incursion
T3	Oak	Footpath	1.8% of RPA
T4	Ash	Footpath	4.2% of RPA

These impacts can be seen on the Arboricultural Impact Assessment drawing number Arbtech AIA 01

Trees to be removed.

The proposal does not require any trees to be removed. No tree pruning works are required.

Table 5: Number of individual trees to be removed.

U	A	B	C
0	0	0	0

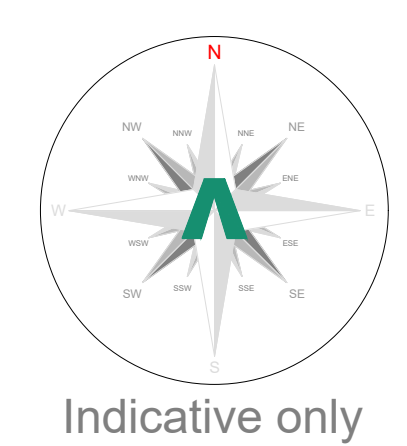
Table 6: Number of groups to be removed. () Represents partial removal of a group

U	A	B	C
0	0	0	0

Appendix 1: Arboricultural Impact Assessment Plan

Road

Note: No unauthorised excavations are to be carried out within the RPAs of any retained trees. Any level changes must form part of a construction method statement & must protect the rooting environments of all retained trees.



Tree Categories

These are categorised in accordance with the cascade chart in Table 1 of the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'

Category 'U' - Trees in such condition that they cannot realistically be retained as living trees in context of the current land use for longer than 10 years.

Category 'V' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.

Category 'W' - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.

Category 'X' - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

Root Protection Area

In order to avoid damage to the roots or rooting environment of retained trees, the Root Protection Area (RPA) should be plotted around each of the category U, V and X trees. This is a minimum area in which should be left undisturbed around each retained tree.

The RPA is calculated using the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'. The calculated RPA is capped to 757m², which is the equivalent to a circle with a radius of 15m. Where there appears to be restrictions to root growth the root protection area is reshaped to more accurately reflect the likely distribution of the roots.

Arboricultural Impacts

Impacts	Nos. of trees
Trees to be removed	0
Groups / hedges to be removed (Partial removal of groups)	0.00
Trees with proposed measures in situ	2
Groups / hedges with proposed measures in situ	0
Trees that will require pruning	0
Groups / hedges that will require pruning	0
Trees to be transplanted	0
Groups / hedges to be transplanted	0

No.	Species	Proposed structure	Incursion
T3	Oak	Footpath	1.8% of RPA
T4	Ash	Footpath	4.3% of RPA

No. of individual trees to be removed

U	V	W	X
0	0	0	0

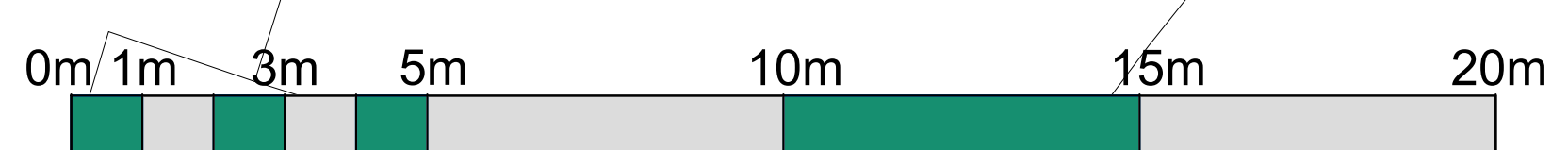
No. of groups / hedges to be removed

U	V	W	X
0.00	0.00	0.00	0.00

Arboricultural Method Statement

All tree work is to be undertaken in accordance with British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'. Please refer to ArborTech Consulting Ltd. Tree Schedule, Arboricultural Method Statement and Tree Protection Plan, for full details of all surveyed trees and how all aspects of the development may be implemented without detriment to retained trees.

Issue: Construction of proposed footpath within the RPA of tree nos. T3 & T4.
Solution: Excavations within the RPA are to be carried out under arboricultural supervision.



arbtch

Unit 3, Well House Barrs, Chester, CH4 0DH
https://arbtch.co.uk, 01244 661170

Project: Marling Court Care Home, 2 Bramble Lane, Hampton, Middlesex, TW12 3XB

Client: Country Court Care

Drawing: Arboricultural Impact Assessment

Based on: 0227 (10) 003 - Proposed Site Plan

Drawing No: Arbtch AIA 01

Date: May 2024

Scale: 1:100 @ A0

Drawn: AST

Key:

Tree No.	T1	Tree Category	Trunk	○
RPA	○	Category 'U' trees	Category 'V' trees	○
Category 'U' trees	○	Category 'V' trees	Category 'W' trees	○
Category 'V' trees	○	Category 'W' trees	Category 'X' trees	○
Category 'W' trees	○	Category 'X' trees	Incursion - Footpath	○

Appendix 2: Tree Survey Schedule

BS5837:2012 Tree Survey

Arbtech Consulting Ltd.

Client: Country Court
 Project: Marling Court Care Home, 2 Bramble Lane, Hampton,
 Middlesex, TW12 3XB
 Survey Date: 24/04/2024
 Surveyor: Rob Dennis

Unit 3, Well House Barns
 Chester road
 Chester
 Cheshire
 CH4 0DH
 Phone: 01244661170


Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m ²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
Estimated Measurements												
G1 Various <i>See comments for details</i>	5	1	150	N	1	0	SM	A: 10.2 R: 1.8	Good	C: Fair S: Ivy B: Not visible	10+ yrs C.2	
Estimated Measurements												
T1 Red Oak <i>Quercus rubra</i>	14	1	750	N	9	4	EM	A: 254.5 R: 9	Good	C: Good S: Good B: Good	20+ yrs B.2	
Estimated Measurements												
T2 Red Oak <i>Quercus rubra</i>	14	1	800	N	8	4	EM	A: 289.6 R: 9.6	Good	C: Good S: Good B: Good	20+ yrs B.2	
Estimated Measurements												
T3 Common Oak <i>Quercus robur</i>	14	1	700	N	8	4	EM	A: 221.7 R: 8.4	Good	C: Good S: Ivy B: Not visible	20+ yrs B.2	
Age Classifications:	N	Newly planted	EM	Early Mature	Condition:			C	Crown	Stems:	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area	ERC:	Estimated Remaining Contribution	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m ²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)						
Estimated Measurements											
T4 Common Ash <i>Fraxinus excelsior</i>	9	2	331 (Eq)	N	6.5	3	SM	A: 49.6 R: 3.97	Fair	C: Fair S: Fair B: Not visible	C.2 10+ yrs
Estimated Measurements											
T5 Whitebeam <i>Sorbus aria</i>	6	1	270	N	3.5	2.5	SM	A: 33 R: 3.24	Fair	C: Fair S: Fair B: Fair	C.2 10+ yrs
Estimated Measurements											
T6 Field Maple <i>Acer campestre</i>	13	1	460	N	6	2.5	EM	A: 95.7 R: 5.51	Good	C: Good S: Good B: Good	A.1.2 40+ yrs
Age Classifications:	N	Newly planted	EM	Early Mature	Condition:		C	Crown	Stems:	Ø	Diameter
	Y	Young	M	Mature			S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature			B	Basal area	ERC:		Estimated Remaining Contributio

Appendix 2: Contact Details

Name	Position	Company	Contact
	Client	Country Court Care	https://www.countrycourtcare.co/
	Tree Officer		
Alan Thompson	Arboricultural Consultant	Arbtech Consulting Ltd.	01244 661170 07703 676216 at@arbtech.co.uk https://arbtech.co.uk
	Site Manager		
	Main contractor		

Document Production Record

Document number	Editor	Signature	Position	Issue number	Date
Arbtech AIA 01	Alan Thompson		Arboricultural Consultant	1	01/05/2024

Limitations

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