



# Marcus Foster

## Arboricultural Design & Consultancy

BA (Hons) | ND Arb | Techcert (AA) | MArborA

### Arboricultural Survey & Impact Assessment (BS5837:2012)

#### Site

13 Woodchurch Road  
London  
NW6 3PL

#### Client

N Family Club

#### Date of Report:

7th May 2019

#### Report Reference:

AIA/MF/044/19

#### Report Prepared by:

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## 1.0 Introduction

1.1 This report has been commissioned by N Family Club to survey, assess and provide an Arboricultural Impact Assessment for the 13 x trees (T1-T13) sited at and within close proximity of proposed development works - 13 Woodchurch Road, London, NW6 3PL

1.2 A site visit was conducted on 18th April 2019 to survey and assess the trees. The weather at the time of inspection was sunny and bright with warm temperatures and trees in early bud burst.

1.3 The tree survey, report and recommendations have been compiled for 13 x trees (T1-T13) surveyed within the site, 13 Woodchurch Road (T2, T3, T4, T7 & T11) and neighbouring properties as required:

- 11 Woodchurch Road (T1)
- 15 Woodchurch Road (T5 & T6)
- Sidney Boyd Court, West End Lane (T9, T10, T12 & T13)

The details of the subject trees are set out in the tree survey table in *Appendix A*. The trees were surveyed on the date and time shown above and the tree survey assessment information for the tree describing size, condition and surroundings are found within this appendix.

1.4 The trees located within the site are shown in site plans T001-T003, Appendix B, and these correspond to the tree survey results table, Appendix A.

1.5 Photographs of the trees can also be found in Appendix C.

1.6 This report and the opinions within it have been produced by Marcus Foster, a qualified arboriculturist and Professional Member of the Arboricultural Association with over 19 years experience and holding a National Diploma in Arboriculture, the Arboricultural Association's Technicians Certificate, Professional Tree Inspection Certificate (LANTRA) as well as a degree in History and Society. Work experience within the industry includes work as a Contracts Manager for an Arboricultural Association Approved Company, a Local Authority Tree Preservation Officer and an independent Arboricultural Consultant. As a consultant many of projects undertaken are in the inner London Boroughs of Islington, Hackney, Westminster, Camden, Southwark and RBKC, making Marcus Foster familiar with the most recent requirements of development and constraints on urban trees.

1.7 No additional documentation has been referred to relating to the tree or the building at this property for the compilation of this report.

## **2.0 Survey Details and Scope**

2.1 The site survey included the 13 x trees (T1-T13) as shown in the survey, *Appendix A*, and also highlighted on the site plans, *Appendix B*.

2.2 The trees were surveyed from ground level from within the site. The diameter of the trunks have been measured using a DBH tape at 1.5m height where within the site and estimated for those off site. The height of the trees have been estimated.

2.3 The following information was recorded for the tree and is shown in the Tree Schedule included in *Appendix A*:

- Number: an identity number which cross-references locations shown on the plan in *Appendix A* with the schedule in *Appendix B*.
- Species: listed by common names
- Tree Height: height in metres (m)
- Tree Spread: spread in metres (m)
- Stem diameter: measured in millimetres (mm) and taken at 1.5m above ground level
- Age Class: Y (young); EM (early-mature); M (mature); OM (over-mature)
- Vigour: G (good); F (fair); P (poor); D (dead)
- Structural Condition: G (good); F (fair); P (poor); D (dead)
- General Condition Specific comments relating to each tree
- Estimated Remaining Contribution (years)
- BS5837 Category Grading
- Protection Distance m<sup>2</sup> Area (where applicable – BS5827: 2012)
- Protection Distance Radius (where applicable – BS5827: 2012)

2.4 Information recorded in the tree survey, *Appendix A* is expanded in the report findings and preliminary recommendations have been made in *Section 5*.

2.5 Findings as shown within *Appendix A* and discussed within *Section 4* are also highlighted within *Appendix B* which incorporates the Tree Constraints Plan (TCP) addressing areas where arboricultural solutions are required.

### **3.0 Survey Limitations**

3.1 No soil excavations have been carried out.

3.2 This report only considers the trees and conditions at the time of inspection. As the inspection was only visual no guarantee can be given concerning the condition of the wood at present in any of the trees inspected and furthermore that no future problems or deficiencies may arise.

3.3 The survey has been undertaken as a survey of the trees without prior influence of the development and implicating factors.

3.4 No invasive tools were used during this site survey.

3.5 It should be noted that vegetation including shrubs within this / the neighbouring sites have not been included in the survey and report as there are none were deemed of relevance for the purposes of this report.

3.6 This report is preliminary and further investigations may be required in order to reach firm conclusions and/or further recommendations for action.

3.7 Where off site trees have been included within this survey, trunks have been estimated and full inspection of the bases of trees has not been possible.

## **4.0 Tree Survey Summary**

4.1 The trees have been surveyed in accordance with BS5837: 2012 'Recommendations for trees in relation to construction' (BS5837: 2012) and have been rated as follows:

### Category 'A' trees

Trees of high quality with an estimated remaining life expectancy of at least 40 years. Trees have been categorised as 'A' trees for one of the following reasons:

- Mainly arboricultural qualities
- Mainly landscape qualities
- Mainly cultural values including conservation

Within the Site Plan (Appendix B) those trees rated as 'A' category trees have a **green** outline as denoted within the site plan key / survey.

**N/A**

### Category 'B' trees

Trees of moderate quality with an estimated remaining life expectancy of at least 20 years. Trees have been categorised as 'B' trees for one of the following reasons

- Mainly arboricultural qualities
- Mainly landscape qualities
- Mainly cultural values including conservation

Within the Site Plan (Appendix B) those trees rated as 'B' category trees have a **blue** outline as denoted within the site plan key.

### **T1, T2 & T7**

### Category 'C' trees

Trees of low quality with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter below 150mm. Trees have been categorised as 'C' trees for one of the following reasons

- Arboricultural qualities - unremarkable trees of very limited merit
- Mainly landscape qualities
- Trees with no material conservation or cultural value

Within the Site Plan (Appendix B) those trees rated as 'C' category trees have a **grey** outline as denoted within the site plan key.

### **T3, T5, T6, T9, T10, T11, T12 & T13**

### Category 'U' trees

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

Within the Site Plan (Appendix B) those trees rated as 'U' category trees have a **red** outline as denoted within the site plan key.

### **T4**

4.2 The trees have been surveyed taking into account condition, general health and form without the development process influencing the survey. In addition they have also been surveyed taking account of amenity value that is offered in relation to both the landscape and surrounding buildings and streetscape. This report outlines the impact that the proposed development will have on the overall treescape and landscape; it provides recommendations to ensure that long-term amenity value for the area is retained.

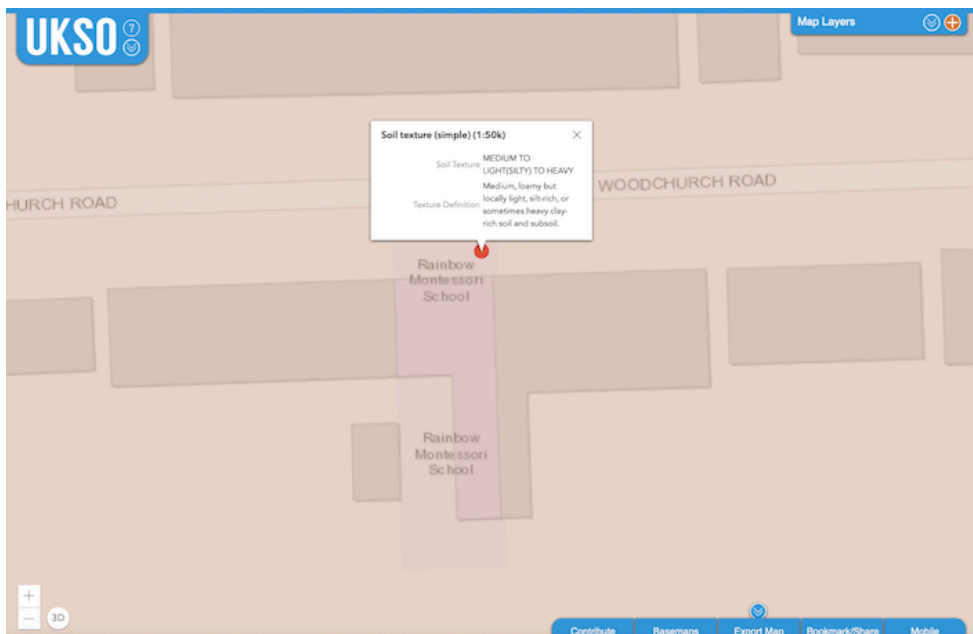
4.3 The report has been written with close reference to the British Standard Guidance, British Standard 5837: 2012 'Recommendations for trees in relation to construction' (BS5837: 2012), which addresses the juxtaposition between trees and structures. The Arboricultural Impact Assessment highlights areas where the trees will require protection which should be addressed within an Arboricultural Method Statement (AMS) specific to the site and proposed scheme. and corroborating with all construction and landscape method statements as relevant.

## 5.0 Findings and Discussion:

### Site Overview

5.1 There are 13 x trees located within close proximity of the proposed development works. The trees surveyed are located within London Borough of Camden.

5.2 The underlying soil to this area is classified as 'sandy' within the UK Soil Observatory ([www.ukso.org](http://www.ukso.org)) - a medium to heavy soil mix with partially light sections (silt).



Extract from Soil Observatory - 04/05/19 - [www.ukso.org](http://www.ukso.org)

5.3 The site comprises the Rainbow Montessori School with ground floor and lower ground floor / extensions at rear garden level with 2 floors above. The front gardens are laid to hard landscape with paved driveway and the rear gardens are also laid to hard landscape with soft landscape verges. The site is surrounded to the east and west by similar properties. To the north the public highway is directly adjacent whilst to the south there is a soft landscape space to the rear of car parking for Sidney Boyd Court, West End Lane, London, NW6.

5.4 The property, sited within the London Borough of Camden is not within a Conservation Area and trees are not subject to Tree Preservation Order status.



5.5 For the purposes of this report, reference has been made to the following plans for the proposed development:

KENNEDY WOODS ARCHITECTURE  
Drawing Package - 01/05/19

190503- 13 Woodchurch Road, West Hampstead - DWG 001  
190503- 13 Woodchurch Road, West Hampstead - DWG 002  
190503- 13 Woodchurch Road, West Hampstead - DWG 003  
190503- 13 Woodchurch Road, West Hampstead - DWG 100  
190503- 13 Woodchurch Road, West Hampstead - DWG 101  
190503- 13 Woodchurch Road, West Hampstead - DWG 102  
190503- 13 Woodchurch Road, West Hampstead - DWG 151  
190503- 13 Woodchurch Road, West Hampstead - DWG 152  
190503- 13 Woodchurch Road, West Hampstead - DWG 200  
190503- 13 Woodchurch Road, West Hampstead - DWG 201  
190503- 13 Woodchurch Road, West Hampstead - DWG 250  
190503- 13 Woodchurch Road, West Hampstead - DWG 260  
190503- 13 Woodchurch Road, West Hampstead - DWG 261

5.6 The proposed development comprises general refurbishment works and the extension of the rear single storey building in a southerly direction to match the neighbouring building footprint to the east. The development has the potential to affect the trees in the following ways

- Loss of 1 x tree - 'C' category
- Amendment to building footprint at rear of property with development towards retained trees
- Compaction of the ground surrounding the trees during development and landscape process
- The use of and storage of materials and chemicals on site within close proximity of the trees
- The long-term impact of associated works of the proposed development

5.7 In addition 1 x tree (T4) has been identified as hazardous and is recommended for removal based on poor structural form and nursery playground location; this proposal is unrelated to the development.

Tree Survey Notes in Relation to Development

Tree T1 - Lime - 11 Woodchurch Road (front)

5.8 Tree T1 is a mature Lime sited off site on the front northern boundary with the public highway. The tree has the following main characteristics being rated as a 'B1' category specimen (BS5837:2012):

- Off site location to east of proposed development site
- Generally structurally sound with main union at 2.5m
- Overhanging western canopy growth at 5-8m over site by maximum 2m branch lengths

5.9 The Root Protection Area (RPA) for this tree - 5.4m RPA radius / 91.62m<sup>2</sup> area will not be affected by proposed development and general refurbishment works. However it is recommended that the following tree protection measures are carried out during development works:

- GROUND PROTECTION  
Retention of existing hard Standing within RPA area for tree T1 throughout development process
- TREE WORKS  
Crown lifting to 5m of western crown over site should low growth have developed when development commences / 6 months onwards from the date of this report

Tree T2 & T3 - Lime & Cypress - 13 Woodchurch Road (front)

5.10 Tree T2 is a mature Lime sited on the western boundary adjacent to the public highway. The tree has the following main characteristics being rated as a 'B1' category specimen (BS5837:2012):

- Generally structurally sound
- Lapsed pollarded / crown reduced form last managed 3-4 years ago.
- Tree growing towards building with southern lower-mid crown growing directly against property

5.11 The Root Protection Area (RPA) for this tree - 4.8m RPA radius / 72.39m<sup>2</sup> area will not be affected by proposed development and general refurbishment works. However it is recommended that the following tree protection measures are carried out during development works:

- GROUND PROTECTION  
Retention of existing hard Standing within RPA area for tree T2 throughout development process

- TREE WORKS

The cyclical management of the tree is recommended to be undertaken prior to commencement of works in order to continue management and also prevent encroachment of tree to property

- TREE PROTECTION FENCING

Basal shuttering is recommended to enclose the main stem of tree T2 for the entire development process

5.12 The small Cypress tree (T3) is an ornamental dwarf specimen growing directly against the building. The tree is inappropriately placed but is not a constraint to development or long term retention should its retention be required; the tree has very low amenity value and no protection measures are recommended.

Tree T4 - False Acacia - 13 Woodchurch Road (playground area)

5.13 Tree T4 is an over-mature False Acacia within the rear playground area on the western boundary and with the following characteristics:

- Main stem decay at 0.5-2.5m to east - likely significant with tree leaning to east within site.
- Heavily reduced to 8-10m, with significant sections dead / no regenerative re-growth and overhanging playground - notably main leader 5-8m 350mm diameter dead stem.
- Regenerative growth where developing lapsed.
- Generally hazardous state for 'High' target location

5.14 Therefore the tree is rated as a 'U' category tree and is recommended for removal in order to remove the hazard which currently exists. The replacement of a small to medium sized tree would provide replacement canopy cover and wildlife attributes for this educational environment and be more appropriate in size for the setting.

Trees T5-T6 — Lime x 2 - 15 Woodchurch Road (rear)

5.15 Trees T5 & T6 comprise 2 x mature Lime sited off site to the west. The trees are sited within a soft landscape verge to the southern boundary area of 15 Woodchurch Road and are in fair condition with relatively sparse canopy for species and major deadwood. The off site location with limited overhang of canopies and existing boundary wall means no tree protection measures are required.

Tree T7 - 13 Woodchurch Road (playground area)

5.16 Tree T7 is a mature Lime sited on the rear southern boundary playground area. The tree has the following main characteristics being rated as a 'B1' category specimen (BS5837:2012):

- Generally structurally sound
- Lapsed crown reduced form last managed 3-4 years ago.
- Deadwood throughout and requiring management

5.17 The Root Protection Area (RPA) for this tree - 6.2m RPA radius / 122.34m<sup>2</sup> area will be impacted by the proposed development as follows:

- Encroachment of 2.2m of the north western RPA for this tree
- Development works including excavations and structural engineering solutions within the RPA for this tree
- General development works within the RPA of this tree

The proposed works are deemed achievable based upon the historic hard landscape and playground features within this playground area, the north westerly site aspect of encroachment and the implementation of tree protection measures as highlighted below.

5.18 it is recommended that the following tree protection measures are carried out during development works:

- GROUND PROTECTION  
Retention of existing hard Standing within RPA area outside of development footprint until final landscape stages of development
- PRECAUTIONARY WORKS AREA  
For the line of development where within the RPA , a precautionary area is recommended to be implemented whereby structural engineering methods minimise ground disturbance and excavations are undertaken under arboricultural supervision
- TREE WORKS  
The cyclical management of the tree is recommended to be undertaken prior to commencement of works in order to continue management and also provide adherence of duty of care within development site and future playground environment
- TREE PROTECTION FENCING  
Basal shuttering is recommended to enclose the main stem of tree T7 for the entire development process

Trees T8, T9, T10 & T12 - Sidney Boyd Court (off site to south)

5.19 Trees T8, T9, T10 & T12 comprise 5 x self sown Ash trees to the south of the site where development works are proposed. The trees are set within a soft landscape area to the east of car parking area for Sidney Boyd Court, West End Lane, London, NW6.

5.20 The trees although being sited close to the boundary wall are very small specimens with T8 slightly more developed but headily suppressed and growing to the south away from the site. The location of the boundary wall as a physical barrier and small size of the trees requires for no protection measures.

Tree T11 - Holly - 13 Woodchurch Road (rear)

5.21 Holly tree T11 is required for removal within the scheme being within very close proximity and being a poor 'C' category specimen. Taking account of the BS5837 rating with limited amenity value and low vigour combined with reduced form the loss of tree T11 is not deemed significant and with incorporation of a replacement planting, amenity value can be provided for the long term.

Tree T13 - Sidney Boyd Court (off site to south)

5.22 Tree T13 is an early mature Sycamore sited within the soft landscape area to the east of car parking area for Sidney Boyd Court, West End Lane, London, NW6 alongside trees T8, T9, T10 & T11. The tree has the following main characteristics being rated as a 'C1' category specimen (BS5837:2012):

- Off site tree growing against boundary wall.
- Low vigour with selectively reduced form.
- Ivy clad to 5m
- Major deadwood some overhanging site.
- Lowest branch over site at 3m to north

5.23 The Root Protection Area (RPA) for this tree - 6.2m RPA radius / 122.34m<sup>2</sup> area will be impacted by the proposed development as follows:

- Encroachment of 2.2m of the north western RPA for this tree
- Development works including excavations and structural engineering solutions within the RPA for this tree
- General development works within the RPA of this tree

The proposed works are deemed achievable based upon the historic boundary wall likely providing root retention in combination with the northerly site aspect of encroachment and the implementation of tree protection measures as highlighted below.

5.24 it is recommended that the following tree protection measures are carried out during development works:

- PRECAUTIONARY WORKS AREA

For the line of development where within the RPA , a precautionary area is recommended to be implemented whereby structural engineering methods minimise ground disturbance and excavations are undertaken under arboricultural supervision

- TREE WORKS

The removal of deadwood and pruning of 1 x small low branch overhanging site is recommended to be undertaken prior to commencement of works in order to ensure clear once and also provide adherence of duty of care within development site and future playground environment

## **6.0 Summary & Outline Tree Protection Measures**

6.1 The proposed development to the rear of the existing building, 13 Woodchurch Road, requires tree protection measures for the following trees:

- T1 - 11 Woodchurch Road (off site)
- T2 & T7 - 13 Woodchurch road
- T13 - Sidney Boyd Court (off site)

These tree protection measures shall ensure that the development does not detrimentally impact trees surveyed.

6.2 In summary the arboricultural impact as highlighted within T003 (Tree Constraints Plan) require the following tree protection measures

**- GROUND PROTECTION - applicable for T1, T2, T7 & T13**

Retention of existing hard Standing within RPA area outside of development footprint until final landscape stages of development

**- PRECAUTIONARY WORKS AREA - applicable for T7 & T13**

For the line of development, a precautionary area is recommended to be implemented whereby structural engineering methods minimise ground disturbance and excavations are undertaken under arboricultural supervision

**- TREE WORKS - applicable for T1, T2, T4\*, T7 & T13**

The cyclical management of the trees and removal of deadwood where highlighted is recommended to be undertaken prior to commencement of works in order to continue management and also provide adherence of duty of care within development site and future playground environment

*\* Note for Tree T4 (False Acacia) removal works these are unrelated to the development and are recommended in relation to hazard assessment and adherence to duty of care*

**- TREE PROTECTION FENCING - applicable for T2 & T7**

Basal shuttering is recommended to enclose the main stem of tree T7 for the entire development process

6.3 For tree protection measures the tree protection specifications and notices required for adherence to protection are highlighted within *Appendix D & Appendix E*.

6.4 For loss of the 1 x tree, the impact upon canopy cover loss / amenity value is minimal and the replacement with a small ornamental specimen such as *Amelanchier arboreal* 'Robin Hill' would provide a more appropriate planting within the compact playground environment.

6.5 For implementation of the development where encroachment within the RPA of trees T7 & T13 is required and for any further encroachments required associated with the development and within RPA's including proposed utility services and landscape surface / level changes including playground features, tree protection measures are recommended to be outlined within an Arboricultural Method Statement with arboricultural supervision highlighted for key areas.



## **7. Appendices**

### **Appendix A**

Tree survey (BS5837:2012)

13 Woodchurch Road  
London  
NW6 3PL

Colour Key: BS5837: 2012 (see Section 2.6)

-  Category A
-  Category B
-  Category C
-  Category U

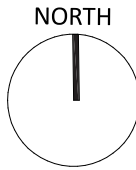
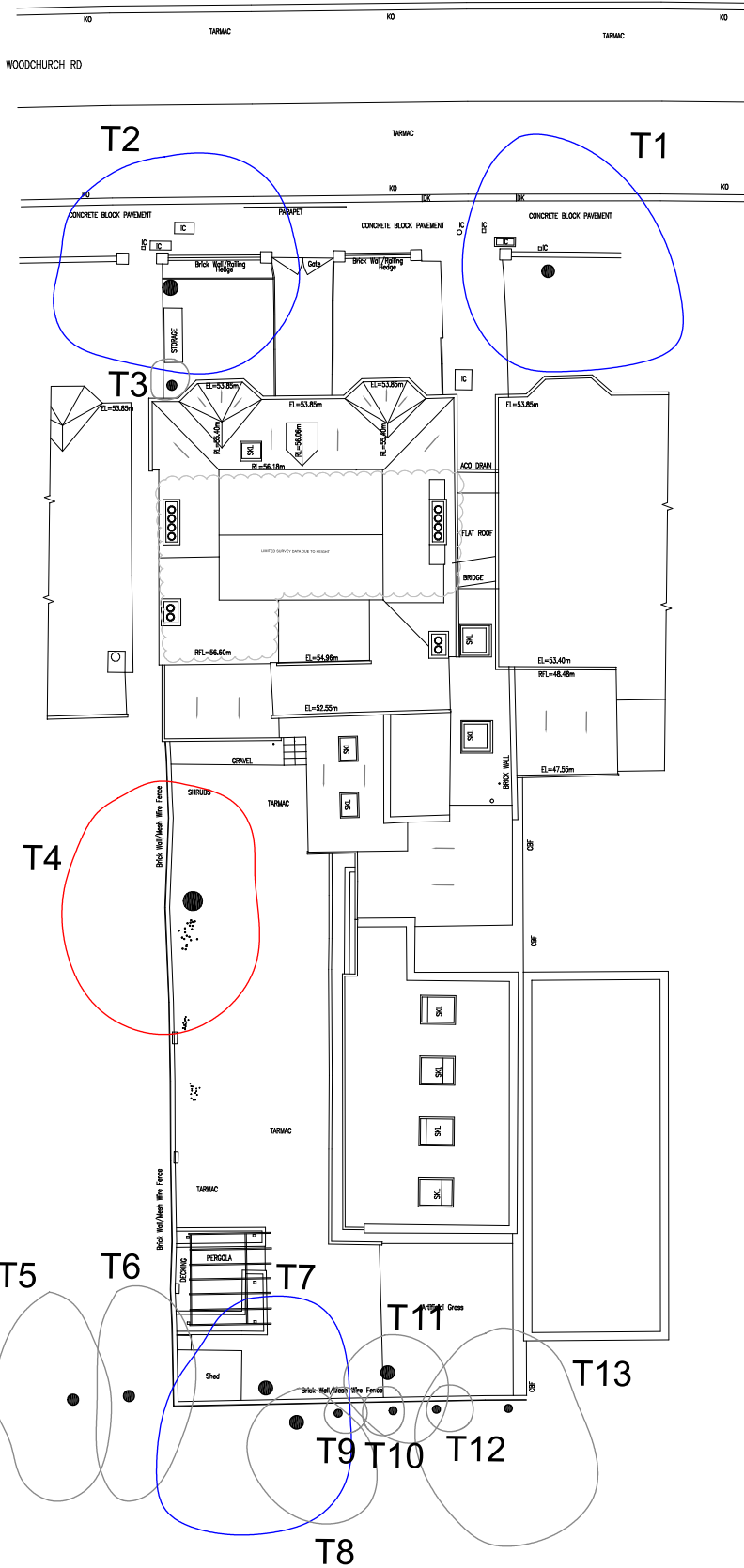
**BS5837:2012 TREE SURVEY**  
**13 WOODCHURCH ROAD, LONDON, NW6 3PL**  
**Arboricultural Impact Assessment - Tree Schedule (BS5837:2012) - 170419**

Tree No	Species	Height (m)	DBH (mm)	Spread (m)	Age	Structural Condition	Vigour	BS5837 (2012) Rating	Remaining Contribution (years)	Comments / Structural Condition	Root Protection Area (RPA) m2	Root Protection Area (RPA) Radius (m)
T1	Lime	14	450 (e)	N: 5 E: 5 S: 4 W: 4	M	G	G	B2	20 years +	Off site tree. Twin-stemmed at 2.5m, union sound. Pollarded at 8m, approx 4 years re-growth	91.62	5.4
T2	Lime	14	400	N: 5 E: 4 S: 5 W: 4	M	G	G	B2	20 years +	Tree within site, generally structurally sound. Pollarded originally at 6m; most recently reduced at 10m approx 3-4 years ago. Growing directly against building	72.39	4.8
T3	Cypress (Elwoodii cultivar)	6	100	N: 1 E: 1 S: 1 W: 1	SM	G	G	C1	10 years +	Ornamental specimen; compact against building	4.52	1.2
T4	False Acacia	12	740	N: 4 E: 3 S: 5 W: 5	OM	P	F	U	Less than 5 years	Decay at 0.5-2.5m to east - likely significant. Tree leans to east within site. Heavily reduced to 8-10m, with significant sections dead / no regenerative re-growth within playground. Notably main leader 5-8m 350mm diameter dead stem. Regenerative growth where developing lapsed. Hazardous	/	/
T5	Lime	11	300 (e)	N: 5 E: 2 S: 4 W: 1	M	G	F	C2	10 years +	Off site tree. Lateral form north to south, fair vigour only	40.72	3.6
T6	Lime	11	300 (e)	N: 5 E: 2 S: 4 W: 1	M	G	F	C2	10 years +	Off site tree. Lateral form north to south, fair vigour only	40.72	3.6
T7	Lime	14	520	N: 5 E: 4 S: 5 W: 5	M	G	G	B2	20 years +	Generally structurally sound at base, main union at 3-4m sound, lapsed pollard. Previously reduced at 11m approx 3-4 years ago. Major deadwood / hanging branches	122.34	6.2
T8	Ash	10	200 (e)	N: 1 E: 4 S: 4 W: 2	Y	F	G	C2	10 years +	Off site tree. Appears generally structurally sound; suppressed to south	18.1	2.4
T9	Ash	5	80	N: 2 E: 2 S: 1 W: 1	Y	G	G	C2	10 years +	Off site tree. Young sapling - suppressed form	2.9	1.0
T10	Ash	8	80	N: 2 E: 1 S: 1 W: 1	Y	G	G	C2	10 years +	Off site tree. Young sapling - suppressed form	2.9	1.0
T11	Holly	4	190	N: 1 E: 2 S: 1 W: 1	SM	G	F	C2	10 years +	Ornamental evergreen in raised planter, reduced form, low Vigour and compact form	16.33	2.3
T12	Ash	7	80	N: 2 E: 1 S: 1 W: 1	Y	G	G	C2	10 years +	Off site tree. Young sapling - suppressed form	2.9	1.0
T13	Sycamore	12	1/s 340	N: 4 E: 4 S: 4 W: 4	EM	F	F	C2	10 years +	Off site tree growing against boundary wall. Low vigour with selectively reduced form. Ivy clad to 5m. Major deadwood some overhanging site. Lowest branch over site at 3m to north	52.3	4.1

## **Appendix B**

Existing & Proposed Plans (T001-T002)  
Including  
Tree Constraints Site Plan (T003)  
(BS5837:2012)

13 Woodchurch Road  
London  
NW6 3PL

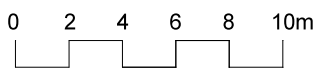


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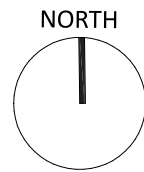
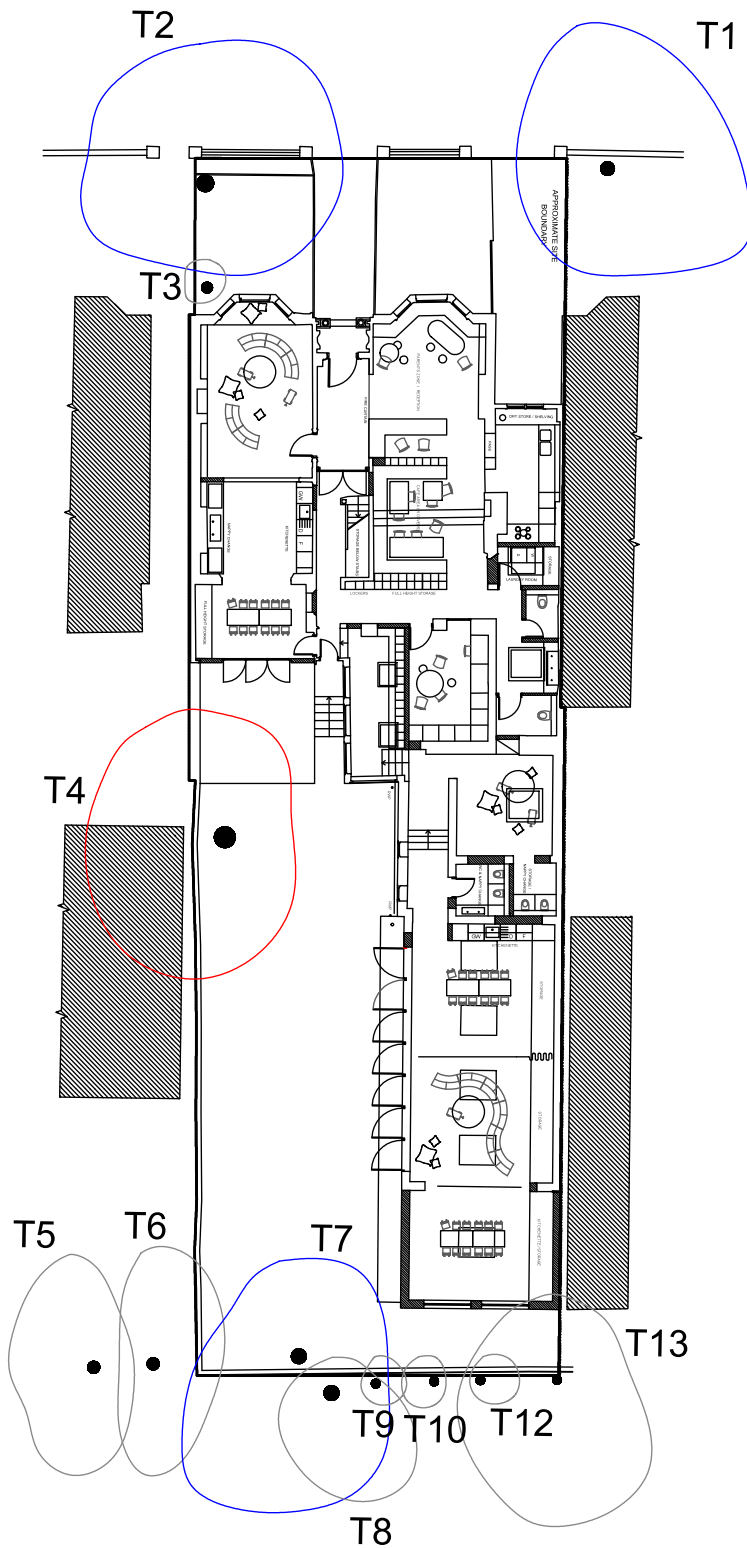
	CATEGORY A
	CATEGORY B
	CATEGORY C
	CATEGORY U
	RPA RADIUS

**BS5837 (2012) TREE SURVEY NOTES**  
 1. In accordance with BS5837(2012) this drawing is a colour coded schedule and should not be read in black and white  
 2. If received electronically it is the recipients responsibility to print this drawing to correct scale. Only written dimensions should be used where not printed to scale.  
 3. This drawing should be read in conjunction with all other relevant drawings and specifications  
 4. Marcus Foster Arboricultural Design & Consultancy accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided

Revisions		
Rev.	Date	Checked
JOB TITLE 13 Woodchurch road, London, NW6 3PL		
DWG TITLE EXISTING TREE SURVEY		
SCALE	DATE	
1:200 @ A3	MAY 2019	
JOB NO	DWG NO.	
AIA/MF/044/19	T001	



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 TREE CONSULTANCY



KEY

	CATEGORY A
	CATEGORY B
	CATEGORY C
	CATEGORY U
	RPA RADIUS

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Revisions

Rev.	Date	Checked

JOB TITLE  
13 Woodchurch road, London, NW6 3PL

DWG TITLE  
PROPOSED TREE SURVEY

SCALE  
1:200 @ A3

DATE  
MAY 2019

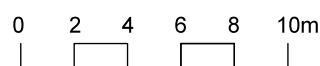
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AIA/MF/044/19

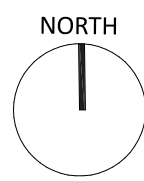
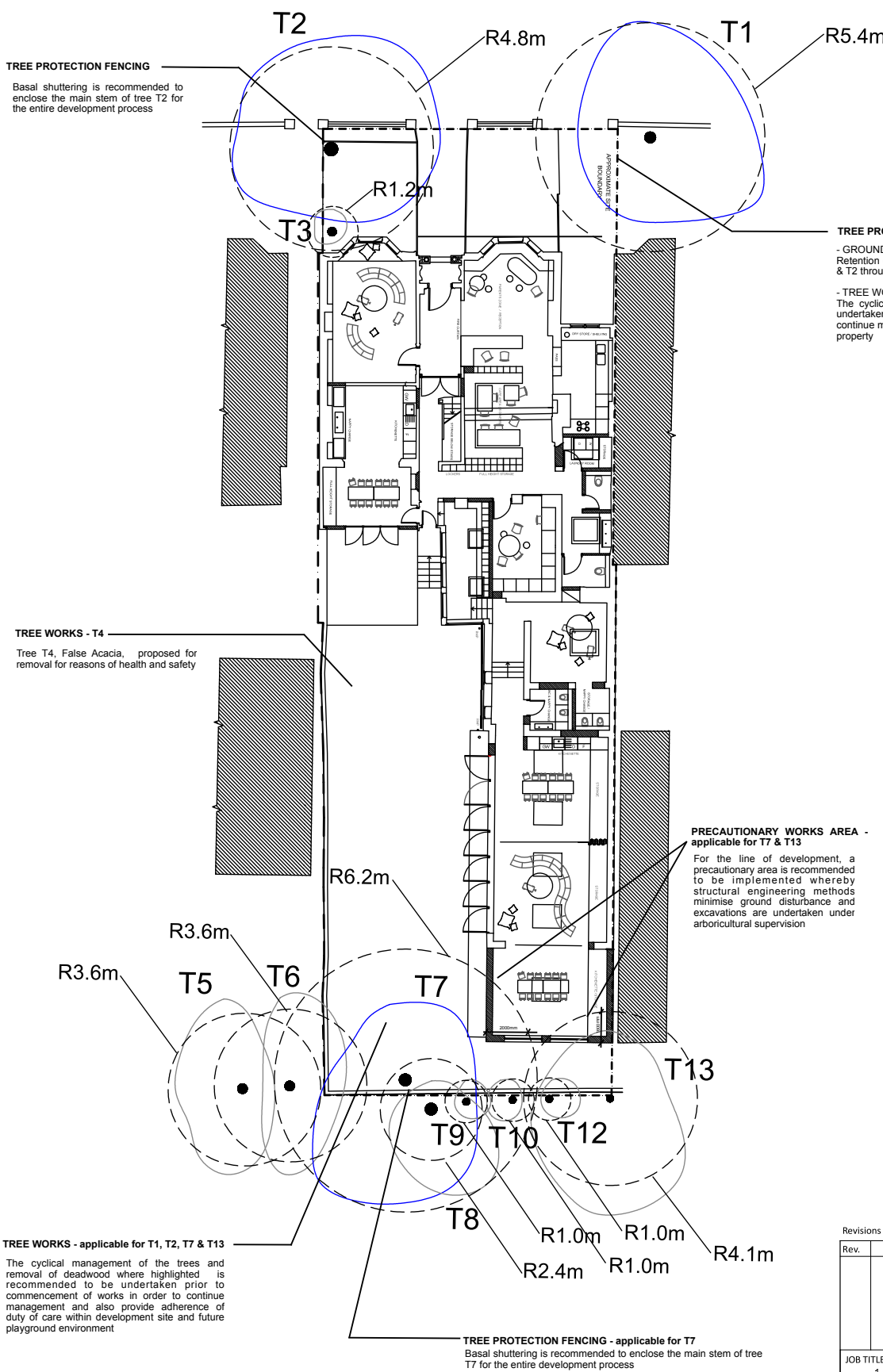
DWG NO.  
T002



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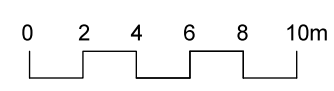


**KEY**

	CATEGORY A
	CATEGORY B
	CATEGORY C
	CATEGORY U
	RPA RADIUS

**BS5837 (2012) TREE SURVEY NOTES**  
 1. In accordance with BS5837(2012) this drawing is a colour coded schedule and should not be read in black and white  
 2. If received electronically it is the recipients responsibility to print this drawing to correct scale. Only written dimensions should be used where not printed to scale.  
 3. This drawing should be read in conjunction with all other relevant drawings and specifications  
 4. Marcus Foster Arboricultural Design & Consultancy accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided

Revisions			
Rev.	Date		Checked
JOB TITLE 13 Woodchurch road, London, NW6 3PL			
DWG TITLE PROPOSED TCP TREE SURVEY			
SCALE 1:200 @ A3		DATE MAY 2019	
JOB NO AIA/MF/044/19		DWG NO. T003	



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## **Appendix C**

Site Photographs for:

13 Woodchurch Road  
London  
NW6 3PL

*\* Taken April 2019 - MFoster*



Tree T2, 13 Woodchurch Road, as viewed in a westerly direction from public highway



Trees T2 & T3 as viewed in a westerly direction from within site



Neighbouring tree, T1 within 11 Woodchurch Road as viewed in a southeasterly direction



False Acacia, T4 within rear playground as viewed in a northerly direction



False Acacia, T4 within rear playground as viewed in a northerly direction showing decay on main stem / hazardous dead sections



Trees T7 - T13 as viewed in a southerly direction from within rear playground area



Trees T5-T6, off site trees within rear of 15 Woodchurch Road



Trees T11 - T13 within and off site at rear of property as viewed in a south easterly direction



Tree T7 as viewed in a southerly direction



## **Appendix D:** **Tree Protection Notice**

Generic Tree Protection Notice  
(BS5837: 2012):

*Notice to be clearly shown on site where  
fencing constructed  
AT ALL TIMES*

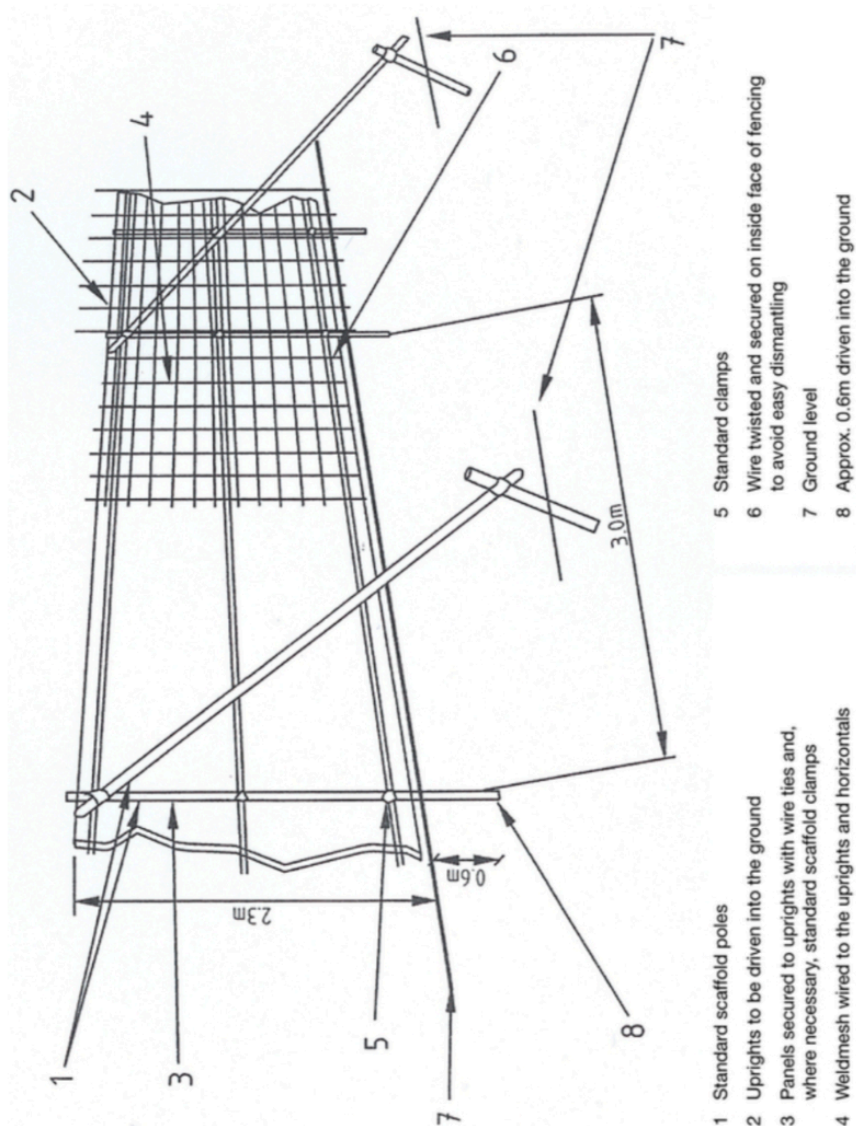


# Appendix E

## Tree Protection Fencing Specifications

### Appendix E1 Tree Protection Fencing as outlined in BS5837 (2012) Specifications

**BS5837:2012 (Diagram 2)**



## Appendix E2

### Basal Shuttering Tree Protection Fencing Example

Basal shuttering offers immediate protection for the lower main stem and initial root plate of a tree where exposed with a porous surface. This method of tree protection does not offer protection to the root plate of a tree where surfaces are exposed / development works are being undertaken within the Root Protection Area of a tree. however, it does offer immediate protection to the main stem and provides vital clearance between the tree and construction site activities such as storage of materials, ad hoc toilet usage and compaction of exposed soft landscaped ground (in addition to many other additional construction site activities).



Photograph taken by Marcus Foster within City of Westminster, 2015

## **Appendix F: References**

1. BS5837: British Standard: Trees in relation to construction - Recommendations, British Standard (2012)
2. Principles of Tree Hazard Assessment and Management, Lonsdale, D. (Department for Transport, Local Government and the Regions, 1999)
3. The Body Language of Trees, Mattheck, C. and Breloer, H. (HMSO, 1994)
4. Trees in Britain, Philips, R. (Pan Books, 1978).
5. Diagnosis of Ill Health in Trees, Strouts, R. and Winter, (TSO, 1994)
6. NJUG Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees (Issue 2), (November 2007)