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Arboricultural Method Statement
(BS5837: 2012)
In relation to
2023/01407/FUL- CONDITION 8

Site details:

19 Collingwood Avenue
London
N10 3EH

Client details:

Alex Gilmore

Date of Report:

December 2023

Report Reference

AMS/MF/0225/23

Report Prepared by:

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1.0 Instructions

1.1 This report has been commissioned by Mr Alex Gilmore to provide an Arboricultural Method Statement (AMS) for the 1 no. tree (T1) sited within close proximity of proposed development works at 19 Collingwood Avenue, London, N10 3EH.

2.0 Introduction

2.1 This report provides this information required to implement tree protection measures for the development with principles that are approved and enforced by the local planning authority. It has been written in accordance with 'BS5837:2012 Trees in relation to design, demolition and construction. Recommendations' (British Standards Institute, 2012)

2.2 This is a site specific AMS produced solely for the physical protection of those trees identified on the plan including 1 no. tree (T1) within the report and is not relevant to any other site or situation.

2.3 This report and the opinions within it have been produced by Marcus Foster, a qualified Arboriculturist and Professional Member of the Arboricultural Association holding a National Diploma in Arboriculture, the Arboricultural Association's Technicians Certificate, Professional Tree Inspection Certificate (LANTRA) as well as a degree in History. 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.

2.4 No additional documentation has been referred to relating to the trees / shrubs or the site at this property for the compilation of this report.

2.5 The AMS must be made available to all contractors and operatives on the site during the construction process so that they fully understand the importance of the measures set out for tree protection.

3.0 Tree Protection Strategy - Overview

3.1 For retained tree T1 the document gives site specific instructions to protect the tree. The following terms are relevant as set out within BS5837:

Root Protection Area (RPA)

3.1.1 The area defined as requiring protection from development from retained trees within BS5837 (2012). Using a calculation provided within BS5837 a radius distance is provided based on a measurement of the main stem taken at 1.5m height.

3.1.2 Also within the British Standard (paragraph 4.6.2) it states that RPA's should reflect the morphology and disposition of the roots where historic site conditions or other factors indicate that rooting has occurred asymmetrically, a polygon of equivalent area should be produced, often with agreement from the Local Authority and using all available historical information of the site and specific tree / area. Modifications to the shape of the RPA should reflect a soundly based arboricultural assessment of likely root distribution by a qualified arboriculturist.

Construction Exclusion Zone (CEZ)

3.1.3 This is the area defined by tree protection fencing where no construction activity should occur and damage is prevented by either installing fencing to restrict access or installing ground protection that allows limited access above the ground, while protecting the rooting environment below. Due to site constraints and the encroaching nature of development an area within the This is RPA outside the CEZ where limited works are proposed, but must be carried out with care to minimise any impact on the tree rooting environment.

Tree Protection Plan (TPP)

3.1.4 The document which defines the extent and methodology of tree protection for the entire development process. This should be referred to AT ALL TIMES by the principal contractor and should ensure safe retention where highlighted, of all trees on site.

Precautionary Area

3.1.5 An area where works must be undertaken with direct consultation from the arboricultural consultant as specified within the AMS report and / or scheme of Arboricultural supervision

3.2 The methods are set out in a logical and coherent sequence for ease of understanding and implementation. The operations that may be required in order to ensure comprehensive tree protection include:

- PRE-COMMENCEMENT
Implementation of Tree Protection Fencing and site infrastructure for access to standard as specified within this report
- General development process with tree protection

3.3 The sequences are governed by operational constraints and are subject to change. The consulting arboriculturist must be noted of any changes to this schedule prior to implementation where trees / tree protection measures as implemented are likely to be affected.

3.4 This AMS has been prepared to provide strict guidance for construction site management to help protect trees where they have been agreed for retention within the development process. It must be read in conjunction with the site-specific specifications which are highlighted on the Tree Protection Plan (TPP) and explained within this report. With close reference to the principles set out in the British Standards Institution (2012) BS 5837 the report provides a robust approach to tree protection.

3.5 More specifically, it describes useful practical and strict precautions that can be taken when working close to retained trees and provides sources of further information. Important terms included within this report are as follows:

4.0 Site, Development & Planning Overview

4.1 Planning approval has been granted by Haringey Council for the following works:

Erection of rear outbuilding

Within Planning Approval Reference: HGY/2023/2553 - Condition 4, dated 29 November 2023 the approval states the following condition:

Prior to the commencement of the development hereby approved (including demolition and all preparatory work), a scheme for the protection of the retained trees, in accordance with BS 5837:2012, an arboricultural method statement (AMS) as well as identification of the adjacent tree and photographs shall be submitted to and approved in writing by the Local Planning Authority. The development thereafter shall be implemented in strict accordance with the approved details.

Reason: In order to ensure the safety and well-being of the trees on the site during constructional works that are to remain after building works are completed consistent with Policy G7 of the London Plan 2021, Policy SP11 of the Haringey Local Plan 2017 and Policy DM1 of The Development Management DPD 2017.

4.2 The Tree Survey undertaken by Marcus Foster included 1 no. tree with the following key characteristics:

- Off site to west
- Original pollard at 4m height; lapsed 20-25 years from original 3.4-4m pollard. 3-4m pollard lengths lapsed to more recent crown reduction points - lapsed 2 years - 2-2.5m branch length
- Overhang to site comprises up to 3m branch lengths at 4-8m height

4.3 The following existing site characteristics are important for setting out the tree protection measures:

- Existing boundary treatment between site and T1 - to remain unchanged within development proposal
- Existing ground slab to be retained and utilised within site footprint
- Existing utilities associated with existing ground slab / previous shed structure

4.4 The Tree Survey undertaken by Marcus Foster included 1 no. tree with the following key attributes as shown within tree survey photographs:



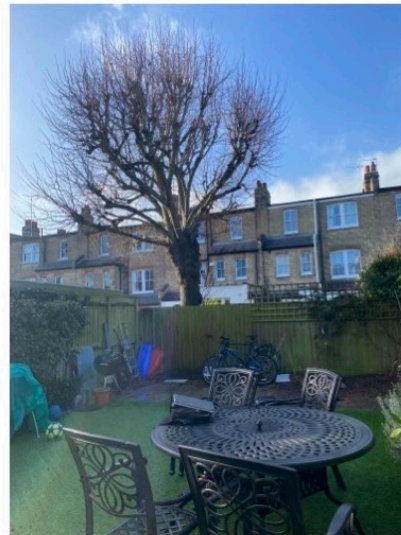
Tree T1 viewed to west showing existing ground slab



Tree T1 viewed to west



Tree T1 - pollarded form



Tree T1 - pollarded form and lapsed reduction points also



Boundary treatment - and existing utilities



Existing ground slab to east of tree T1

5.0 Arboricultural Method Statement

The following tree protection measures require adherence AT ALL TIMES with full supervision from the consulting arboriculturist as outlined within this report. The measures are outlined within Tree Protection Plan (TPP) - drawing T001.

5.1 Tree Works

5.1.1 No tree works are required as is confirmed within the Tree Works Schedule - Section 8.

5.2 Tree Protection Fencing

5.2.1 Protection of the trees highlighted for retention must be implemented as explained below and as specified within the TPP - drawing T001:

To retain existing boundary treatment

5.2.2 These measures must remain for the entire construction process in order to provide a comprehensive barrier from the trees

- The areas surrounding the trees must be surrounded by protective fencing as outlined in TPP - T001
- The protective fencing used must be suitable for the purpose of excluding construction activity and appropriate to the degree and proximity of work taking place around the retained trees.
- This barrier must remain rigid and complete during the entire construction process.
- Once the Exclusion Zones have been protected by fencing all weather notices as included in *Appendix D* must be put onto the barrier warning that the area is a construction exclusion zone.
- No building materials or chemicals are stored within the tree protection zone as indicated on the TPP

5.3 Ground Protection

5.3.1 None is required due to:

- (i) Access from outside of RPA
- (ii) Existing ground slab for main element of RPA

5.4 Storage of Construction site related materials, plant and spoil

5.4.1 The storage area shall be located outside of the RPA of retained trees only. Strict adherence to this area must be made to this area and any amendment would require written consent from the Tree Officer.

5.5 Site Welfare & Site Office

5.5.1 The site welfare area shall be located outside of the RPA of retained trees. Strict adherence to this area must be made to this area and any amendment would require written consent from the Tree Officer.

5.6 Precautionary Area

5.6.1 For the 'Precautionary Area' / incursion within RPA of retained tree T1 Precautionary Area denoted within the TPP highlight where the following works are required:

- (i) CONCRETE SELECTIVE PILES (within RPA of T1) where outside of the existing cast in situ concrete slab

5.6.2 The application of selective foundations shall require very limited extent of excavations - only those to determine correct pile locations. Within BS5837 (2012) the Standard makes provision for undertaking excavations in RPAs, explaining that all excavation must be carried out carefully using spades, forks and trowels, It is important not to damage the bark and wood of any roots. For this area, these tools should be used with no machinery used for the preliminary works.

5.6.3 For this area the following shall apply:

- All works within Precautionary Area highlighted within 'Toolbox Talk'
- With all below ground level works for determining suitable locations for selective foundations for this area undertaken by hand, the severance of any larger roots encountered up to 25mm diameter should then only be undertaken by the supervising arboricultural consultant to ensure clean severance

5.6.4 For undertaking excavations within the precautionary area guidance is applicable

Tree Root Severance Guidance

The contractors must be aware of tree protection guidance in relation to tree roots which must be applied as follows:

- The severance of any tree roots encountered larger than 25mm in diameter **MUST NOT** occur without prior consultation with the Local Authority Tree Officer or appointed Arboricultural Consultant.
- If at any point it is deemed not possible to continue with excavations without having to damage very significant tree roots, the Local Authority Tree Officer and / or the appointed Arboricultural Consultant must be contacted.

The following tools shall be applicable for such works:



5.7 CONCRETE SELECTIVE PILES structural Methodology

5.7.1 For the precautionary areas / RPA of retained trees in relation to proposed structural works within the RPA of tree T1 the following methodology with tree protection measures shall be applied at all times:

GROUND WORKS SEQUENCE

PRECAUTIONARY WORKS AREA IDENTIFIED

A Precautionary area is an area where tree protection for excavations and Helical screw pile works require implementation within RPA of retained trees.



All works within precautionary area highlighted within 'Toolbox Talk'



Initial hand dug locations of proposed pile locations to be undertaken in accordance with AMS tree protection measures to ensure no severance of major roots.



The exact location of each pile location and evidence of no tree root damage must then be documented



Plastic sleeve applied to ensure no leaching of chemicals to ground during piling works



Insulated base applied above set piles

5.8 Final Landscape Works

5.8.1 For final landscaping works none is proposed within the RPA of retained trees. Should any final landscape works be required within the RPA of retained trees the following must apply:

- No reduction in levels of the underlying soil surface will occur during final landscaping works within the RPA of retained tree
- No compaction of soils for establishing level base
- No soakaway shall be sited within the RPA of retained trees

5.9 Installation of utility services

5.9.1 The installation and/or amendment of utility services within the RPA of retained trees is not required as the services are installed from previous structure. However where an amendment is required and utilities are required within the RPA of any retained tree the consulting arboriculturist and Local Authority must be notified prior to any ground tree protection / fencing and barrier removal and the following details adhered to:

- Trenching for the installation of underground services severs any tree roots present and can have a detrimental impact on the structural

integrity of affected trees. When services are required to pass through a Tree Protection Area / CEZ, detailed plans showing proposed routes should be drawn up in conjunction with the consulting arboriculturist to avoid long term problems for related trees.

- The preferable method for trenching is to use a 'Air Spade' or similar to remove soil with compressed air, therefore minimising damage to roots in the process. Should hand dug excavations be required within the RPA this shall only be undertaken with arboricultural supervision.

5.9.2 Further reference can be made to National Joint Utilities Group (Volume 4, Issue 2) for guidance but any approach must be approved by both the consulting arboriculturist and Local Authority tree officer.

5.10 Fires

5.10.1 There must UNDER NO CIRCUMSTANCES be fires within this site.

6.0 Communication, Monitoring and Compliance

6.1 In ensuring that tree protection specifications as highlighted within this method statement are closely adhered to at all times, it is important to set out for the long term of the development, communication details for key individuals and tasks that require monitoring.

6.2 The key individuals appointed for advising and complying with Tree Protection specifications must adhere to the following at all times:

- Relevant parties / key individuals must be advised of any changes in personnel or contractor during the development process.
- Relevant parties / key individuals must be responsible for relaying information regarding tree protection within work force where deemed applicable / relevant

6.3 For all tree protection measures these must be considered as sacrosanct and should not be removed or altered without prior written consent from the Local Authority tree officer and/or consulting arboriculturist.

6.4 The local authority arboriculturist will have free access to the site and forward any concerns / recommendations directly to the consulting arboriculturist.

The following individuals and organisations are central to the delivery of the scheme in relation to the tree protection measures it requires:

CONSULTING ARBORICULTURIST

Name - Marcus Foster MArborA

Telephone - 07812024070

Contact - Marcus Foster

Email - mail@marcus-foster.com

LONDON BOROUGH OF HARINGEY - TREE OFFICER

Name - Tree Officer - Planning

Telephone - /

Contact - Daniel Monk

Email - daniel.monk@haringey.gov.uk

7.0 Tree Works Schedule

7.1 No tree works are required as it is confirmed within schedule below:

NOTE: Wildlife & Habitat Protection Guidelines

TREE WORKS SCHEDULE 19 Collingwood Avenue, London, N10 3EH					
Tree No.	Common Name	Location	BS5837 Category Rating	Tree Works	Reason for works
T1	Common lime	22 Midhurst Avenue	B	No action required at present	/

NOTE

The tree work specifications included within this report do not provide an exemption from the requirements to comply with the Wildlife and Countryside Act 1981, the Habitats Regulations 1994 and the Countryside and Rights of Way Act 2000, or any acts offering protection to wildlife. Of particular note is the protection offered to bats, birds and their nests, whilst being built or in use. It must be noted that failure to comply with the Acts may result in a criminal prosecution.

APPENDICES

Appendix A

Tree Survey Schedule (BS5837:2012)

19 Collingwood Avenue
London
N10 3EH

Colour Key:
BS5837: 2012

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

BS5837:2012 TREE SURVEY SITE: 19 Collingwood Avenue, London, N10 3EH SURVEY DATE: 8th December 2023														
Tree No	Species	Height (m)	DBH (mm)	Spread (m) N/E/S/W	Age	Structural Condition	Vitality	BS5837 (2012) Rating	Remaining Contribution (years)	Comments / Structural Condition	First branch height (m)	First canopy height (m)	Root Protection Area (RPA) m2	Root Protection Area (RPA) Radius (m)
T1	Common lime	10	500 (e)	4 4 4 4	M	F	F	B1	20+	Off site to west Original pollard at 4m height; lapsed 20-25 years from original 3.4-4m pollard. 3-4m pollard lengths lapsed to more recent crown reduction points - lapsed 2 years - 2-2.5m branch lengths Overhang to site comprises up to 3m branch lengths at 4-8m height	4	3.5	113.11	6.0

Appendix B

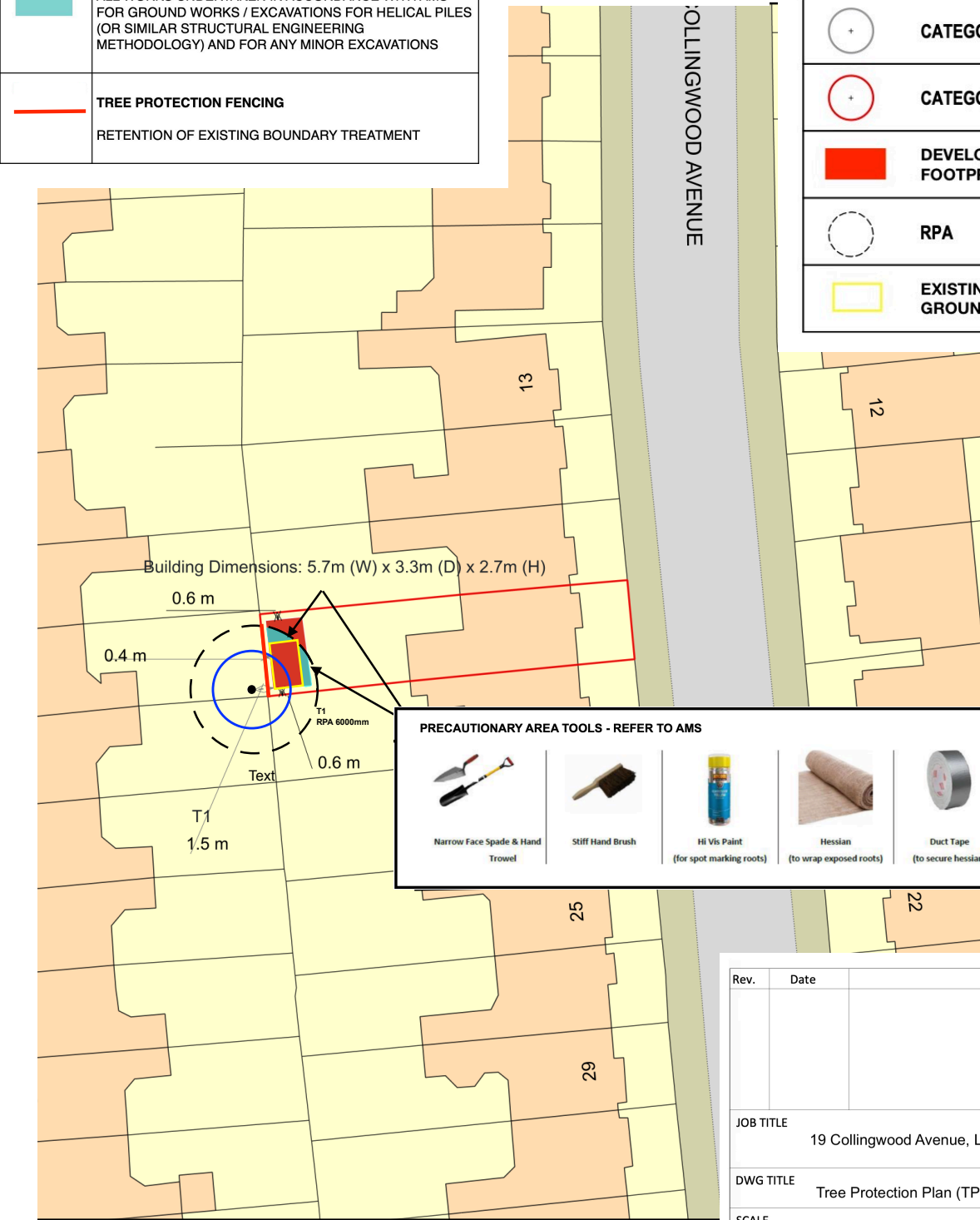
T001 - TREE PROTECTION PLAN

19 Collingwood Avenue
London
N10 3EH

Colour Key:
BS5837: 2012

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

TREE PROTECTION KEY	
	PRECAUTIONARY AREA ALL WORKS UNDERTAKEN IN ACCORDANCE WITH AMS FOR GROUND WORKS / EXCAVATIONS FOR HELICAL PILES (OR SIMILAR STRUCTURAL ENGINEERING METHODOLOGY) AND FOR ANY MINOR EXCAVATIONS
	TREE PROTECTION FENCING RETENTION OF EXISTING BOUNDARY TREATMENT



PRECAUTIONARY AREA TOOLS - REFER TO AMS				
				
Narrow Face Spade & Hand Trowel	Stiff Hand Brush	Hi Vis Paint (for spot marking roots)	Hessian (to wrap exposed roots)	Duct Tape (to secure hessian)

Rev.	Date	Checked
JOB TITLE 19 Collingwood Avenue, London, N10 3EH		
DWG TITLE Tree Protection Plan (TPP)		
SCALE	1:500 @ A4	DATE Nov 23
JOB NO	AMS/0225/23	DWG NO. T001
 T: 0781 2024070 mail@marcus-foster.com www.marcus-foster.com Marcus Foster		

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

Appendix C: References

1. BS5837: British Standard: Trees in relation to design, demolition and construction. Recommendations (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)

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