34 Fitzjohn's Avenue
London NW3 5NB

Arboricultural Method Statement

(Ref. 101 971)
Date: 15/11/2024

Prepared by:
Russell Ball BSc. (Hons.), P.G. Dip. LM, CBiol., MRSB

Royal Society of Biology *Chartered Biologist*
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1.0 INSTRUCTIONS

Arbol Euro Consulting Ltd. is instructed to assess trees in regard to the approved single-storey rear extension* and a Camden Council tree protection condition**. See the appended Tree Protection Plan and Arboricultural Method Statement (AMS). We visited the site on 13/11/2024 to carry out the tree survey. See trees in section 2.1.

The AMS to be read in conjunction with the appended Tree Survey and Tree Constraint Plan.

* Creating two units at lower ground & ground floor with a frontage bike store.
** Reason: To ensure that the development will not have an adverse effect on existing trees and in order to maintain the character and amenity of the area in accordance with the requirements of policies A2 and A3 of the London Borough of Camden Local Plan 2017. *See section 2.6.*

2.0 OBSERVATIONS, CONCLUSIONS AND RECOMMENDATIONS

2.1 Trees: On site there are nine trees (T1-T9: a mix of poplar, oak, hazel holly, plum, false acacia, yucca and Japanese maple). The trees of note include the frontage false acacia (T1) and the-end-of-garden yucca (T5) and hazel (T6) that have good well-balanced B-grade crown form. Due to either lopped/topped/suppressed or unbalanced crowns, the remaining trees only merit C-grades. In the flanking adjacent neighbouring properties (no. 32 and 36 Fitzjohn's Avenue) there are two trees (cherry T10 and sweet gum) and a large bay shrub (S1). In the past, these have been lopped/topped and correspondingly only merits C-grades.

2.2 Root Protection Area incursion: There will be no such incursion with the granted build. **NB** The frontage bike store will sit on the existing paving with timber bearers with therefore no need for a foundation base. See photo below.

2.3 Tree Crown Incursion: There will be no incursion and as such no tree pruning will be required.

2.4 As plotted on the Tree Protection Plan at Appendix 2, with the implementation (in a timely manner) of the tree protection measures specified in this AMS there should be no build impact on any of the retention trees.

2.5 Site Supervision Responsibilities: This would be an essential element during the proposed build to ensure effective tree protection. See section 5.0 in the appended AMS.

2.6 Camden Council *tree protection* Planning Condition: In our opinion, this AMS effectively discharges the aforementioned Condition.

3.0 REFERENCES

- *BS 5837; 2012 'Trees in relation to design, demolition and construction - Recommendations'* British Standards Institute, London
- *BS 3998; 2010 'Tree Work: Recommendations'* British Standards Institute, London
- *'NJUG Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees' 2007* National Joint Utilities Group (NJUG) Volume No. 4: No. 1.
- Arboricultural Practice Note 12; 2007 – AAIS
- *'Availability of Sunshine' BRE - CP 75/75*
- *'Tree Roots in the Built Environment'* 2006 - Dept. for Communities & Local Government (DCLG).
- *'Up by Roots: healthy soils & trees in the built environment'* 2008 James Urban, International Society of Arboriculture.
- *'Arboriculture';* 1999 3rd edition R. Harris, J. Clarke & N. Matheny. Prentice Hall.
- *'Soil Management for Urban Trees'* 2014 International Society of Arboriculture, Best Management Practice series.

AMS APPENDICES

1. Tree Survey Schedules & Table 1 - Category Grading (Quality Assessment)
2. Tree Protection Plan
3. Arboricultural Method Statement
4. Tree Protection Barrier Specification

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APPENDIX 1

TREE SURVEY SCHEDULE
(see appended at end of report)
2 pages

APPENDIX 2

TREE PROTECTION PLAN
(see appended to the report)

NB The original of this plan was produced in colour – a monochrome copy should not be relied upon.

APPENDIX 3

ARBORICULTURAL METHOD STATEMENT
3 pages

ARBORICULTURAL METHOD STATEMENT (AMS)
Site: 34 Fitzjohn's Avenue London NW3 5NB

To be read in conjunction with the appended Tree Protection Plan

NB The original of this plan was produced in colour – a monochrome copy should not be relied upon.

This AMS lays down the methodology for any demolition and/or construction works that may have an effect upon trees on and adjacent to this site. It is essential within the scope of any contracts - related to this development - that this AMS is observed and adhered to. It is recommended that this document forms part of the work schedule and that specifications are issued to the building contractor(s) and these must be used to form part of their contract.

Consulting Arborist contact details: Russell Ball – mob. No. 078844 26671

SEQUENCE OF WORKS

From commencement of the subject development, the following methodology will be implemented in the manner and sequence described:

1. Arboricultural pruning and/or removal works
2. Erect *temporary* Tree Protection Barriers (TPBs) to establish the fenced-off Construction Exclusion Zones (CEZ): ***before*** any construction works begin on-site.
3. Route underground services.
4. Main construction works.
5. Site Supervision Responsibilities
6. Remove TPBs.

1. ARBORICULTURAL PRUNING AND/OR REMOVAL WORKS

1. None required.

2. ERECT *TEMPORARY* TREE PROTECTION BARRIERS (TPBs)

1. Prior to construction, the main contractor will erect the TPBs as per the appended Tree Protection Plan (TPP) and as detailed in the *'Tree Protection Barrier Specification'* in Appendix MS(i) below (and in Appendix 4). This will establish the front and rear fenced-off **Construction Exclusion Zones**: CEZs (marked up on the TPP).
2. As this is a light-build project the normal robust staked and braced TPBs will not be required but rather booted TPBs with sections ***clamped together*** and stabilizing struts so they cannot be moved. See also Appendix MS(i) below. **NB** It may be easier to use staked heavy-duty ply board around T1 rather than trying to 'fit' Heras fence sections. See Note 2 on the appended TPP.
3. On no account shall these CEZs be used for the storage/preparation of any construction/building materials.
4. Prior to commencement of any site construction, preparation, excavation or material deliveries, the Consulting Arborist will inspect installation of the TPB and the CEZ. Any damage occurring to the TPB during the demolition or construction phase will be made good by the main contractor.

3. ROUTE UNDERGROUND SERVICES

1. Will not be an issue as these will be taken off those within the exiting property.

4. MAIN CONSTRUCTION WORKS

1. Part of the existing property could be used for a Site Office.
2. **Temporary Storage of Construction Material/Equipment**: See area plotted on the appended TPP.
3. **Construction Exclusion Zone (CEZ):** There must be no (a) storage of construction material/equipment or (b) preparation of noxious substances (e.g. cement) in any area designated as the CEZ and enclosed by the TPB.
4. Before commencing work on site, all operatives must be briefed by the **Site Agent/Contract Manager** on the importance of protecting both on and off-site trees. The basis of this briefing will be the protection measures as set out on the Tree Protection Plan (TPP) including the position of staked **Tree Protection Barriers** and **Construction Exclusion Zones**. As such the TPP shall be clearly displayed on the wall of the site office.
5. During the construction the **Site Agent/Contract Manager** will be responsible for all tree protection measures. See also ***Site Supervision Responsibilities*** below.

5. SITE SUPERVISION RESPONSIBILITIES

1. It will be the responsibility of the main contractor to ensure that any tree protection planning conditions attached to planning consent are adhered to at all times and that a monitoring regime in regards to tree protection is adopted on site.

2. The main contractor must assign tree protection monitoring duties to one or more individuals working at the site, who will be responsible for all tree protection monitoring and supervision (see the *Site Personnel Induction Form* at Appendix MS ii).
3. The individual(s) assigned tree protection monitoring duties must:
    - Be present on site for the majority of the time;
    - Be aware of (a) the Tree Protection Plan and (b) the tree protection measures to be installed and maintained throughout all phases of the development;
    - Be responsible for ensuring all tree protection measures are adhered to as detailed in the Arboricultural Impact Assessment (AIA) report and Arboricultural Method Statement (AMS);
    - Ensure all site operatives without exception read and understand the tree protection and control measures detailed in the AMS;
    - Keep on file all individual Site Personnel Induction Forms which must be signed by all site operatives (including sub contractors) indicating they have read and understood the control measures detailed within the AIA report and AMS;
    - Maintain a written record of Tree Protection / Construction Exclusion Zone inspections, to be kept up to date by the person(s) who have been designated the inspection and monitoring duties;
    - Have the authority to stop any work that is causing, or has the potential to cause, harm to any retention trees;
    - Be responsible for ensuring that all site operatives including sub contractors are aware of their responsibilities toward on/off site trees and the consequences of the failure to observe these responsibilities;
    - Make immediate contact with the Consulting Arboriculturist in the event of any tree related problems occurring, whether actual or potential. (Contact details including telephone number and email address are listed on the Title Page).

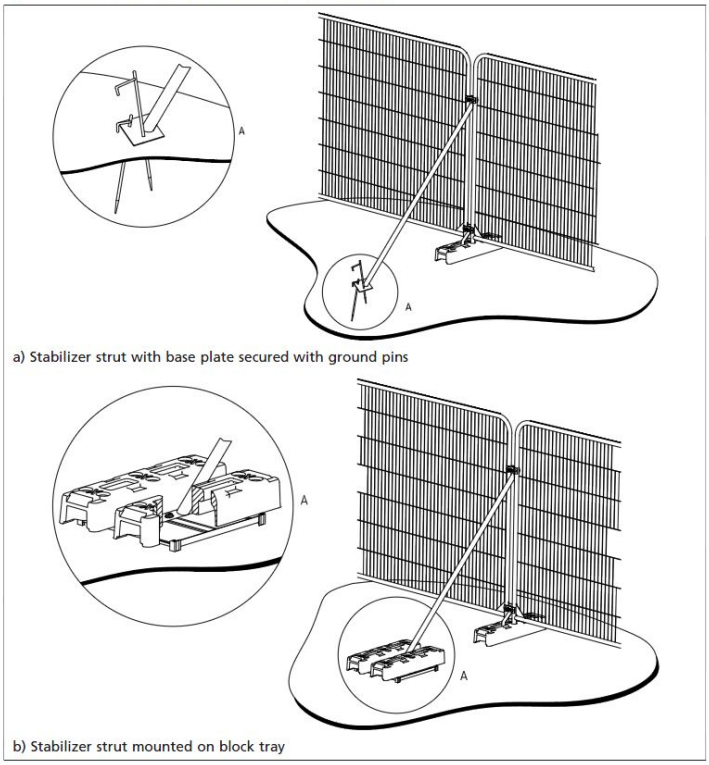
4. The Construction Exclusion Zone fencing, ground protection and all signs must be maintained in position at all times and checked on a regular basis by the on-site person(s) who have been designated that responsibility.
5. The main contractor will be responsible for contacting the Local Planning Authority and the Consulting Arboriculturist at any time issues are raised relating to the trees on site.
6. The main contractor will ensure the build sequence and phasing is appropriate to ensure that no damage occurs to the trees during the construction processes. Protective fences will remain in position and undisturbed until completion of ALL construction works on the site.
7. The main contractor will be responsible for ensuring all site operatives including sub-contractors do not carry out any process or operation that is likely to adversely impact upon any tree on site.

6. REMOVAL OF *TEMPORARY* TREE PROTECTION BARRIERS (TPBs)

1. The TPBs will be removed only upon completion of the construction.

APPENDIX MS(i)

Figure 3 Examples of above-ground stabilizing systems



a) Stabilizer strut with base plate secured with ground pins

b) Stabilizer strut mounted on block tray

APPENDIX MS(ii)

Site Personnel Induction Form

Name:
Site Address:
Date:

Declaration	**Tick to Confirm**
I have read and understand the Arboricultural Method Statement and the requirements to be employed / actioned at the site regarding tree protection.	
I understand that all tree protection measures (fencing and ground protection) must not be moved or disturbed throughout the development project without prior agreement with the Consulting Arboriculturist.	
I understand that certain operations must only be undertaken under supervision of the Consulting Arboriculturist or a suitably qualified Arborist and/or must not be undertaken without their approval.	
I acknowledge that any concerns I have regarding the protection of trees at and adjacent to the development site will be brought to the attention of the Site Manager/Supervisor.	
I acknowledge that I must not cause direct or indirect damage to any on site or neighbouring tree, either above or below ground level during the course of my daily operational duties.	

Signed:……..

APPENDIX 4

TREE PROTECTION BARRIER SPECIFICATION

1 page only

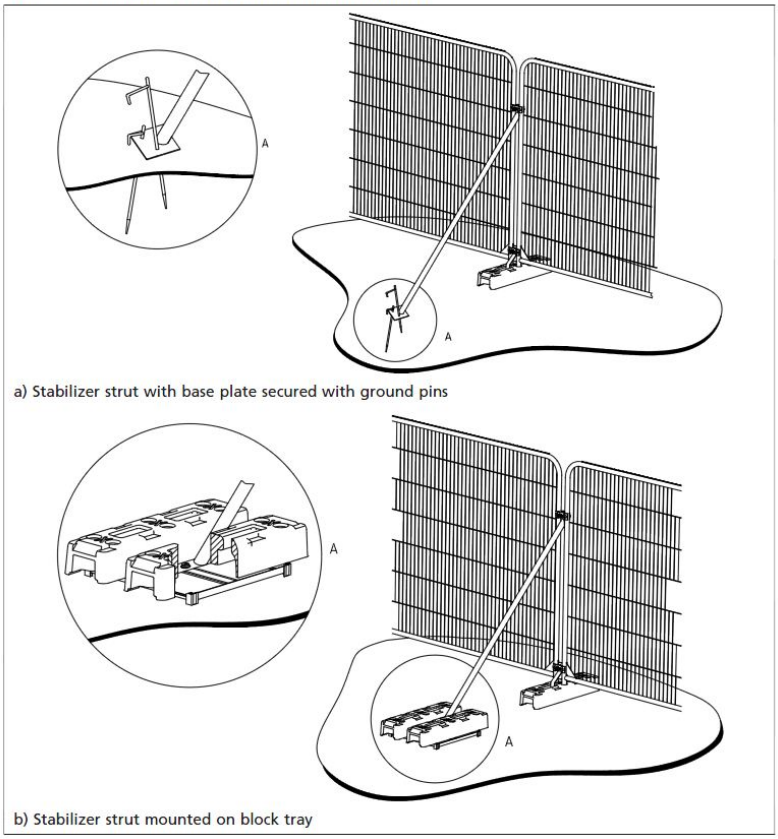
TREE PROTECTION BARRIER SPECIFICATION

The Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) enclosed by temporary protective fencing must:

1. Be erected prior to any site works, demolition or construction works, delivery of site accommodation or materials and must remain for the duration of the demolition/construction works. All-weather notices should be attached to the barriers with the following wording: **"CONSTRUCTION EXCLUSION ZONE – NO ACCESS"**
2. Be protected by temporary protective fencing and other measures as specified and as defined by area (m^2) on the drawings (Tree Protection Plan - TPP).
3. Preclude the storage or tipping of all materials and substances, in addition, toxic substances such as fuels, oils, additives, cement, or other deleterious substances within 5.0 metres of an exclusion zone.
4. Any incursion into the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) as indicated on the Tree Protection Plan (TPP) must be by prior arrangement, following consultation with the Local Planning Authority.

Temporary Tree Protection Barrier (Specification taken from BS:5837 -2012)

Figure 3 Examples of above-ground stabilizing systems



a) Stabilizer strut with base plate secured with ground pins

b) Stabilizer strut mounted on block tray

HEADINGS & ABBREVIATIONS

TREE NO.	REFERENCE NUMBER. REFER TO PLAN OR NUMBERED TAGS WHERE APPLICABLE
SPECIES:	COMMON NAME (LATIN NAMES AVAILABLE ON REQUEST)
AGE RANGE/LIFE STAGE:	Y = YOUNG, SM = SEMI MATURE, EM = EARLY MATURE, M = MATURE, PM = POST MATURE
HEIGHT:	ESTIMATED AND RECORDED IN METRES. APPROXIMATELY 1 IN 10 TREES ARE MEASURED USING A CLINOMETER AND THE REMAINDER ESTIMATED AGAINST THE MEASURED TREES
CROWN SPREAD:	MAXIMUM CROWN RADIUS MEASURED TO THE FOUR CARDINAL COMPASS POINTS FOR SINGLE SPECIMENS ONLY (MEASUREMENT FOR TREE GROUPS - MAXIMUM RADIUS OF THE GROUP)
CROWN CLEARANCE &DIRECTION OF GROWTH:	HEIGHT IN METERS OF CROWN CLEARANCE ABOVE ADJACENT GROUND LEVEL (TO INFORM ON GROUND CLEARANCE, CROWN/STEM RATIO AND SHADING)
STEM DIA/MULTI-STEM DIA:	STEM DIAMETER - MEASURED AT APPROXIMATELY 1.5 METRES ABOVE GROUND LEVEL OR A COMBINATION OF STEMS FOR MULTI-STEMMED TREES
VITALITY:	A MEASURE OF PHYSIOLOGICAL CONDITION. D = DEAD, MD = MORIBUND, P = POOR, M = MODERATE, N = NORMAL
ESTIMATED REMAINING CONTRIBUTION:	RELATIVE USEFUL LIFE EXPECTANCY (YEARS)
BS 5837CATEGORY & SUB-CATEGORY GRADING:	A = HIGH QUALITY AND VALUE, B = MODERATE QUALITY AND VALUE, C = LOW QUALITY AND VALUE, U = UNSUITABLE FOR RETENTION: SUB-CATEGORY REFERS TO ARBORICULTURAL (1), LANDSCAPE (2) & CULTURAL/CONSERVATION VALUES (3).
BS 5837 RPA:	ROOT PROTECTION AREA - BS 5837 (2012) ANNEX D (THE RECOMMENDATIONS STATE THAT THE RPA SHOULD BE CAPPED AT 707 M^2)
BS 5837 RADIUS:	PROTECTIVE DISTANCE - RADIUS FROM THE CENTRE OF THE STEM TO THE LINE OF TREE PROTECTION (CONSTRUCTION EXCLUSION ZONE - CEZ) AND PROTECTIVE BARRIER

TREE SURVEY SCHEDULE

SITE:	34 Fitzjohn's Avenue London NW3 5NB
CLIENT:	M. BLUM
BRIEF:	CARRY OUT A BS:5837 (2012) PHASE II ARBORICULTURAL IMPACT ASSESSMENT ON THE APPROVED DEVELOPMENT AT THE ABOVE SITE.

SURVEYOR:	R. BALL
ASSESSMENT DATE:	13/11/2024
VIEWING CONDITIONS:	SUNNY
JOB REFERENCE:	101 971

TREE HEDGE GROUP NO.	SPECIES (COMMON NAME)	AGE RANGE/ LIFE STAGE	HEIGHT (m)	RADIAL CROWN SPREAD (m) N	E	S	W	CROWN CLEARANCE & DIRECTION OF GROWTH (m)	STEM/ MULTI-STEM* DIA. (mm)	VITALITY	COMMENTS/STRUCTURAL MORPHOLOGY	PRELIMINARY MANAGEMENT	CATEGORY & SUB-CATEGORY GRADING BS 5837	BS 5837 RPA RADIUS (m)	BS 5837 RPA (m^2)
T1	False Acacia	EM	9.5	3.5	4	3.5	5	1.6	600	N	Good well-balanced crown form and tree provides significant public visual amenity	None at time of survey (NATS)	B2	7.20	162.8
T2	Japanese Maple	EM	3.5	1.5	1.8	2.5	1.8	-	* 80;28; 20	N	Small insignificant suppressed tree	NATS	C1	1.1	3.4
T3	Holly	EM	11.5	3.0	2.5	3.0	2.5	3.0	280	N	Topped in the past – average crown form	NATS	C1	3.3	35.4
T4	Plum	SM	9	1.5	1.8	2.5	1.5	0.5	90	N	Etiolated unbalanced crown form	NATS	C1	1.1	3.6
T5	Yucca	EM	2.5	1.2	1.2	1.2	1.2	-	60	N	Good form	NATS	B2	0.7	1.6
T6	Hazel	M	9.5	3.5	3.5	4	3.5	1.8	285	N	A significant understory tree with good form	NATS	B1	3.4	36.7
T7	English Oak	SM	22+	4	4	6	5	6.0	450	N	Unbalanced crown to the south due to we suspect the 'recent' removal of a large competing adjacent neighbouring tree	NATS	C1	5.4	91.6
T8	Hybrid Black Poplar	M	28+	4	9	9	9	10.0	1250	N	Heavily topped with resulting poor crown form	NATS	C1	15.0	707
T9	Hybrid Black Poplar	M	28+	9	8	4	8	10.0	1250	N	Heavily topped with resulting poor crown form	NATS	C1	15.0	707

SITE:	34 Fitzjohn's Avenue London NW3 5NB
CLIENT:	M. BLUM
BRIEF:	CARRY OUT A BS:5837 (2012) PHASE II ARBORICULTURAL IMPACT ASSESSMENT ON THE PROPOSED DEVELOPMENT AT THE ABOVE SITE.

SURVEYOR:	R. BALL
ASSESSMENT DATE:	13/11/2024
VIEWING CONDITIONS:	SUNNY
JOB REFERENCE:	101 971

TREE HEDGE GROUP NO.	SPECIES (COMMON NAME)	AGE RANGE/ LIFE STAGE	HEIGHT (m)	RADIAL CROWN SPREAD (m) N	E	S	W	CROWN CLEARANCE & DIRECTION OF GROWTH (m)	STEM/ MULTI-STEM* DIA. (mm)	VITALITY	COMMENTS/STRUCTURAL MORPHOLOGY	PRELIMINARY MANAGEMENT	CATEGORY & SUB-CATEGORY GRADING BS 5837	BS 5837 RPA RADIUS (m)	BS 5837 RPA (m^2)
T10	Cherry *Third-party tree with no access to fully survey*	M	10.0	5	3	3	3	7.5	Est. 350	N	In past, lopped back from over the subject property and also topped – an average tree	? See access	C2(?) See access	4.2	55.4
T11	Sweet Gum *Third-party tree with no access to fully survey*	EM	12	3	3	4	3	6.0	Est. 300	N	In past, crown topped – an average tree	? See access	C2(?) See access	3.6	40.7
S1	Bay Laurel *Third-party tree with no access to fully survey*	M	9.0	1.8	2	3.5	2	5.0	Est * 200; 180	N	Heavily lopped and topped in past but as an evergreen provides some useful boundary screening	? See access	C2(?) See access	3.2	32.7

NOTES
1. The approved rear extension is green-shaded.
2. It may be easier to use staked heavy-duty ply-board around T1 rather than trying to 'fit' Heras fence sections.

THIS TREE PROTECTION PLAN MUST BE READ IN CONJUNCTION WITH THE ARBORICULTURAL METHOD STATEMENT THAT ACCOMPANIES THE TREE REPORT (IN APPENDIX 3)

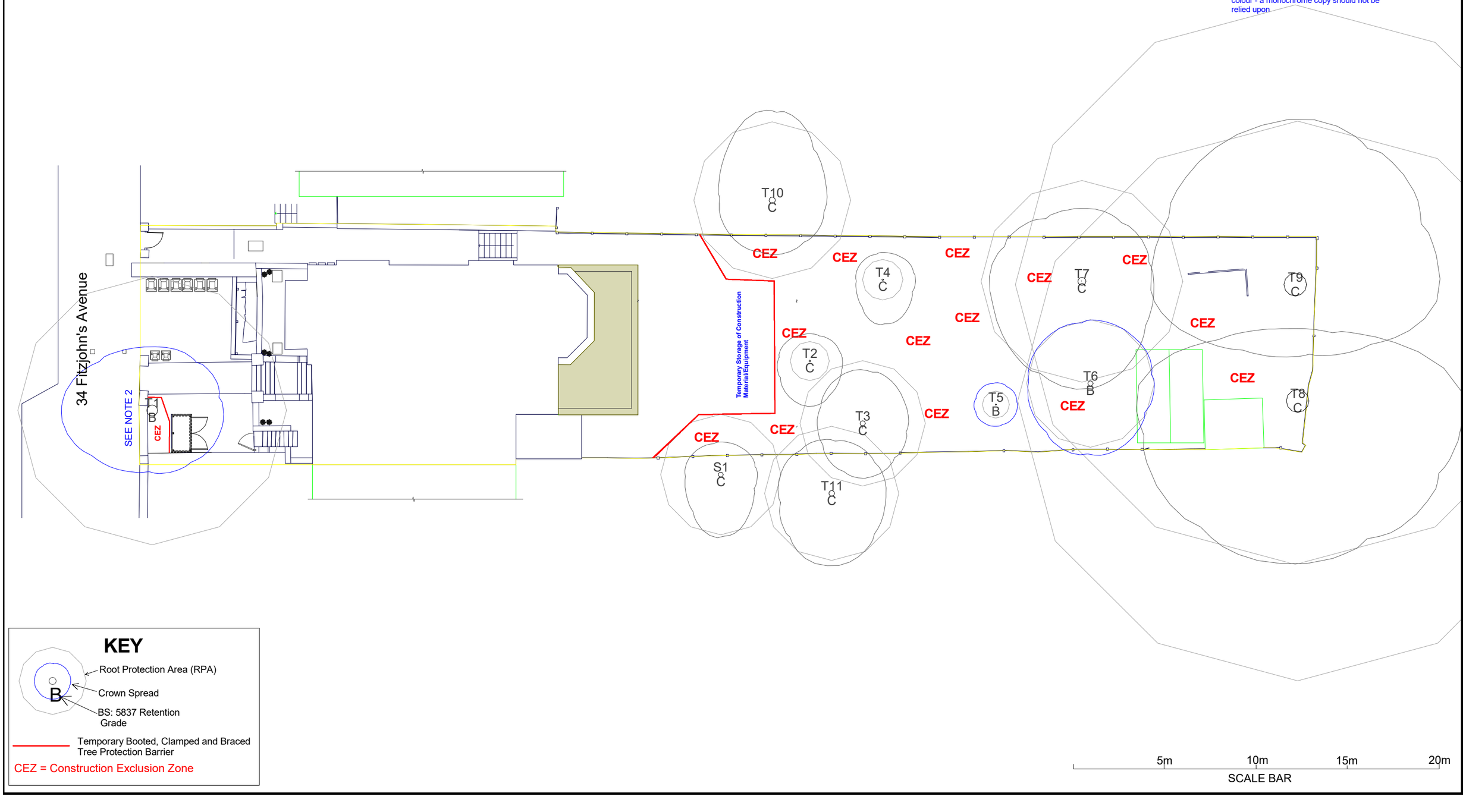
Arbol EuroConsulting
1 Landford Close Rickmansworth WD3 1NG

34 Fitzjohn's Avenue London NW3 5NB
TREE PROTECTION PLAN

SCALE : 1 : 200 @ A3
DATE : 15/11/2024
MAP FILENAME : 101 971

N

The original of this drawing was produced in colour - a monochrome copy should not be relied upon



KEY

- Root Protection Area (RPA)
- B — Crown Spread
- BS: 5837 Retention Grade
- Temporary Booted, Clamped and Braced Tree Protection Barrier

CEZ = Construction Exclusion Zone

5m 10m 15m 20m
SCALE BAR