

ARBORICULTURAL METHOD STATEMENT
to BS 5837:2012
at
14 Edgerton Road
Edgerton
Huddersfield
West Yorkshire
HD1 5RB

Client:
Mr Patel

Client Address:
14 Edgerton Road
Edgerton
Huddersfield
West Yorkshire
HD1 5RB

JCA Ref:
16199-A/AJB

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1. Introduction

1.1 Purpose of the Method Statement

- 1.1.1 This Arboricultural Method Statement has been prepared to ensure good practice in the protection of retained trees during the development at **14 Edgerton Road in Edgerton, Huddersfield.**

1.2 Terms of Reference

- 1.2.1 JCA Limited is instructed by **Mr Patel** to prepare an Arboricultural Method Statement for the proposed development, based on our arboricultural report dated 25th September 2020 (JCA Ref: **16199/AJB**). The arboricultural survey and report conforms to the most recent specifications outlined in BS 5837: 2012 *Trees in relation to design, demolition and construction - Recommendations*.
- 1.2.2 The proposed development will consist of the construction of single storey extension to the existing building.
- 1.2.3 The following drawing has been provided and this is the basis of the Arboricultural Method Statement and the Tree Protection Plan at **Appendix 3**:
- Topographical Survey and Development Layout (Drawing No. **8123**).

1.3 Status of the Method Statement

- 1.3.1 This Arboricultural Method Statement should be included as part of the specification and schedule of works issued to the building contractor and can form part of the contract.
- 1.3.2 This Arboricultural Method Statement should be available on site for inspection by the local authority, contractors and other relevant persons.

2. Tree Works Prior, During and Post Construction

2.1 Tree Works Prior to Construction

- 2.1.1 Prior to any construction activity, the first operation on site will be the undertaking of the necessary arboricultural works, as described at **Appendix 1**.
- 2.1.2 The tree works include:
- The removal of **T6**, for arboricultural reasons.
 - The pruning of **T1**, for tree management reasons.

2.2 Tree Works During or Post Construction

- 2.2.1 No tree works are required during or after the construction phase.
- 2.2.2 Damage to trees during the construction phase will be entirely prevented by the installation of the temporary protective fencing in order to create a Construction Exclusion Zone (CEZ). All persons on site must be aware of limitations that apply within the CEZ (please refer to **Section 3.1.3**).
- 2.2.3 If any trees on site are damaged, this must be immediately reported to JCA to agree on appropriate remedial action. Contact numbers for all parties can be found at **Section 7**.

2.3 Recommendations for Tree Works

- 2.4.1 All work must be undertaken to BS 3998: 2010 - *Recommendations for tree work* and carried out by qualified, experienced and, ideally, Arboricultural Association approved contractors who must be adequately insured.
- 2.4.2 Any defects seen by a contractor or the client that were not apparent to the consultant must be brought to the attention of JCA immediately.
- 2.4.3 No liability can be accepted by JCA in respect of the trees unless the recommendations of this Method Statement are carried out under our supervision.

3. The Protective Fencing Prior, During and Post Construction

3.1 Protective Barrier Prior to Construction

- 3.1.1 The installation of the temporary protective fencing will be the very first job to be undertaken on site following the completion of the tree works (**Section 2.1**), as detailed below.
- 3.1.2 The protective fencing must be constructed in accordance with BS 5837: 2012 *Trees in relation to design, demolition and construction - Recommendations* and will be located as shown in a purple line on the Tree Protection Plan at **Appendix 3**. Where possible, the protective barrier will enclose the entire Root Protection Area (RPA) of the trees to make a Construction Exclusion Zone (CEZ); **this area is to be considered a restricted area; no pedestrians, vehicles, equipment or machinery are allowed within the CEZ and the storage of materials is not permitted, unless specified within this Method Statement.**
- 3.1.3 The protective fencing will be installed in accordance with BS 5837: 2012 and will comprise of weld mesh panel fencing, situated in rubber or concrete feet. Panels will be joined together using a minimum of two anti-tamper couplers, positioned so that they can only be removed from inside the barrier. The fencing will be supported at each joint (where two panels meet) with a stabiliser strut, attached to the fencing at one end and a block tray at the other. Please refer to **Appendix 2** for protective fencing details.
- 3.1.4 Once the fencing is installed, waterproof signs with the sentence '*Protected tree zone, no storage or operations within this area*' are to be placed at 3m intervals to ensure that all personnel are aware of the restrictions that apply to the cordoned off area. A prepared sign is available at **Appendix 2**.

3.2 Ground Protection

- 3.2.1 The existing hard standing provides adequate protection to the rooting zones of all retained trees, where these are not fully enclosed by the protective fencing. As such, no additional ground protection measures are required.

3.3 Checking the Protective Fencing Prior to Construction

- 3.3.1 Once installed, the appointed arboriculturalist will be invited on site to inspect the protective fencing, ensuring that it is located in the correct position and that it has been constructed in accordance with this Method Statement. No other work, including soil stripping, excavation, or the bringing onto site of materials or machinery, shall commence until the fencing is installed and confirmed to be acceptable by the appointed arboriculturalist.
- 3.3.2 It is important that the protective fencing be checked by the LPA or an arboricultural consultant prior to any construction works being carried out on site. **If at any time during construction the protective fencing is not correctly installed, or if it does not comply with BS 5837: 2012, this could result in damage being caused to trees and consequently, a stop notice may be served by the LPA.**

3.4 Protective Fencing During Construction

- 3.4.1 No operations shall take place which require the removal of part of the protective fencing without prior agreement with the Local Planning Authority.
- 3.4.2 The protective fencing must be inspected for faults or damage by the site manager or other responsible named person on a regular basis and a written record kept. Any faults or defects must be repaired or replaced as soon as is reasonably practicable. Details of the site manager and relevant contact details can be found at **Section 7**.

3.5 Removal of the Protective Fencing

- 3.5.1 When the development phase is complete and the main site machinery has been removed, the protective fencing may be dismantled and removed from site.
- 3.5.2 It should be noted the same restrictions apply to all RPAs as the CEZ (please refer to **Section 3.1.2**).

4. Construction Phase

4.1 Demolition Works

4.1.1 No demolition works are required adjacent to retained trees.

4.2 Ground Level Changes

4.2.1 No ground level changes are required within the RPA of any tree to be retained on this site. As such no mitigation actions are considered necessary.

4.3 Construction of Hard Surfaces

4.3.1 No new hard surfaces are proposed within the RPA of retained trees. As such, no specialist mitigation actions are required.

4.4 Construction of Proposed Extension

4.4.1 The proposed extension is located at a sufficient distance from retained trees that no specialist foundation methods are required for arboricultural purposes.

4.5 Excavations and Services

4.5.1 The routing of the proposed utilities is situated outside the RPAs of retained trees. As such, no mitigation actions are considered necessary to mitigate potential damage to tree roots.

4.6 Location of the Site Compound

4.6.1 The site compound, typically including toilets, storage of materials and parking, must be located away from, and outside the RPA of retained trees.

4.6.2 Those areas designated for the storage and/or mixing of chemicals, including petrol, diesel and oils must also be located away from, and outside the RPA of retained trees. Such areas should be constructed with consideration to, and contingencies for, the occurrence of spillages, preventing the leaching of chemicals into unprotected, open ground.

5. Post Construction Phase

5.1 Post Construction Landscaping

- 5.1.1 Following completion of the main construction phase, the protective fencing may be removed.
- 5.1.2 The retained trees on site may be subject to some form of landscaping or seeding beneath their canopies after the development phase. At this stage the protective fencing will have been removed and the property may be occupied.
- 5.1.3 Landscaping works must be carried out in such a way as to avoid ground level changes or deep digging within RPAs. Tractor mounted rotovation or other mechanised cultivation methods must not be used within the RPAs of retained trees.
- 5.1.4 Heavy machinery is not permitted in the vicinity of retained trees, unless otherwise stated in this method statement.
- 5.1.5 Herbicides should be appropriate for the purpose and should not be used in such a way as to damage any retained trees or vegetation.

6. Timescale of Works

6.1.1 The timescale for arboricultural requirements are summarised below:

Timescale	Action	✓	Initial
Stage 1	All requirements listed in the planning consent are approved by the Local Authority planning office.		
Stage 2	Undertake the tree works (as detailed at Appendix 1).		
Stage 3	Install the temporary protective fencing around the trees (as detailed at Appendix 2 and as shown on the Tree Protection Plan at Appendix 3).		
Stage 4	Have the Local Planning Authority or Arboricultural Consultant inspect the fencing measures prior to any on site construction. Once inspected, the protective fencing must not to be moved or breached.		
Stage 5	Construct the proposed extension.		
Stage 6	Following the completion of the construction phase and when all site traffic and machinery has left, the protective fencing can be removed.		

7. Relevant Contact Details

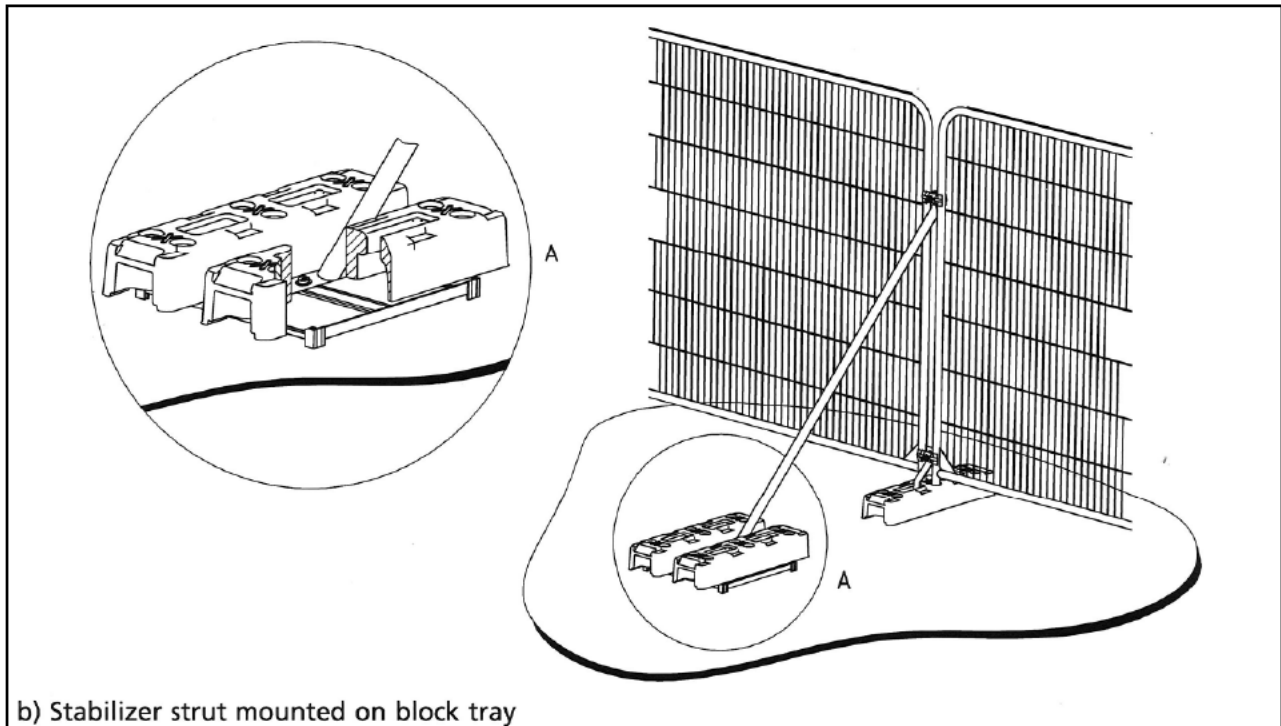
Contact Name	Organisation/Detail	Contact Number
Andrew Bussey Arboricultural Consultant	JCA Limited	01422 376335
Nick Goddard/Joe Robertson Tree Officer	Kirklees Metropolitan Borough Council	01484 221589

Appendices

Tree Ref	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread			Observations	Recommendations	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority	N	W		E						
T 1	Mature Common Lime <i>Tilia x europaea</i>	19	2	5 SW	69#	6	5	6.5	Overhanging the footpath and the road Single-stemmed and vertical with a balanced crown Occasional pruning wounds Epicormic growth at the base prevented a detailed inspection	Remove the epicormic growth at the base and re-inspect Low	GOOD	GOOD	HIGH	MOD	40+	1 A 2
T 2	Early-mature Downy Birch <i>Betula pubescens</i>	13	2	2 n/a	30	4	5	5	Single-stemmed and vertical with a balanced crown Root severance noted due to recent excavations required for a driveway extension	Monitor the health of the tree biennially Low	GOOD	GOOD	MOD	LOW	20+	1 B 2
T 3	Mature Copper Beech <i>Fagus sylvatica 'Purpurea'</i>	18	1	2.5 W	71	8	8	8	Overhanging the footpath and the road Multi-stemmed at 7m with a balanced crown Occasional pruning wounds No major visible defects	No action required n/a	GOOD	GOOD	HIGH	MOD	40+	1 A 2
T 4	Early-mature Downy Birch <i>Betula pubescens</i>	16	6	6 n/a	28	2.5	2.5	3	Single-stemmed and vertical with a balanced crown No evidence of significant pruning No major visible defects	No action required n/a	GOOD	GOOD	MOD	LOW	40+	1 B 2
T 5	Mature Common Lime <i>Tilia x europaea</i>	19	5	6 n/a	63	5	5	5	Multi-stemmed at 5m with a balanced crown Occasional pruning wounds No major visible defects Epicormic growth to 5m	No action required n/a	GOOD	GOOD	MOD	MOD	40+	1 B 2
T 6	Mature Horse Chestnut <i>Aesculus hippocastanum</i>	7	2	3 n/a	85	3	3	3	Twin-stemmed at 1.5m with a balanced crown Previously topped Significant decay noted at the base with the decay fungi <i>Armillaria mellea</i> (Honey Fungus) present This tree is considered to be structurally unsound	Remove to ground level and treat the stump to prevent regrowth Moderate	FAIR	POOR	LOW	MOD	<10	U

Appendix 2: Protective Barrier

A2.1 An example of the above-ground stabilisation system recommended for use within this report.



TREE PROTECTION ZONE

KEEP OUT!

TREES ENCLOSED BY THIS FENCE ARE PROTECTED
BY STRICT PLANNING CONDITIONS

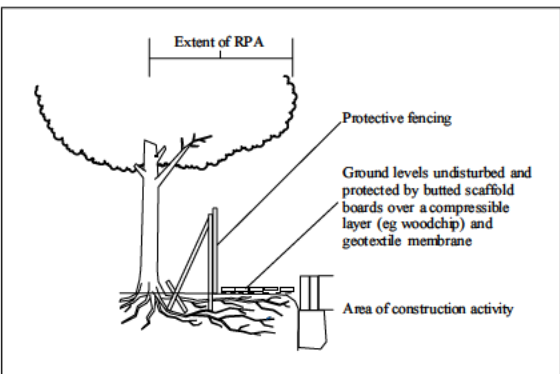
ANY DAMAGE CAUSED TO THESE TREES MAY
RESULT IN CRIMINAL PROSECUTION

RESTRICTED AREA:

- THE PROTECTIVE FENCE MUST NOT BE MOVED OR BREACHED
- NO PERSON, MACHINERY, VEHICLE OR PLANT IS PERMITTED WITHIN THE TREE PROTECTION ZONE
- NO MATERIALS SHALL BE STORED WITHIN THE TREE PROTECTION ZONE
- NO EXCAVATIONS ARE PERMITTED WITHIN THE TREE PROTECTION ZONE
- NO SPOIL IS TO BE DEPOSITED WITHIN THE TREE PROTECTION ZONE
- NO FIRES ARE TO BE LIT WITHIN THE TREE PROTECTION ZONE

REPORT TREE DAMAGE TO JCA LIMITED ON
01422 376 335

An example of a walkway within the RPA



LOCATION OF EXISTING HARD STANDING

LOCATION OF EXISTING HARD STANDING

**Appendix 3:
Tree Protection Plan**

ADDRESS: 14 Edgerton Road, Edgerton,
Huddersfield, West Yorkshire, HD1 5RB.
JCA REF: 16199-A/AJB.

SCALE: 1:200 PAPER SIZE: A3

SURVEYED BY AJB DRAWN BY AJB APPROVED BY TT

	TREE TO BE RETAINED
	TREE TO BE REMOVED
	STEM OF TREE TO BE RETAINED
	STEM OF TREE TO BE REMOVED
	ROOT PROTECTION AREA (RPA)
	PROTECTIVE FENCE LINE (CEZ)
	PROPOSED NEW DEVELOPMENT

TREE PROTECTION MEASURES

THE ROOT PROTECTION AREA (RPA) INDICATES THE LIKELY ROOTING ZONE OF A TREE

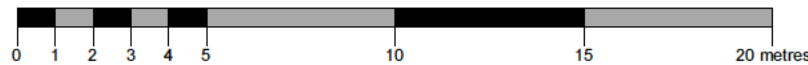
UNLESS OTHERWISE STATED IN THE ARBORICULTURAL METHOD STATEMENT, THIS AREA NEEDS TO REMAIN UNDISTURBED.

TO ACHIEVE THIS, PROTECTIVE FENCING WILL BE INSTALLED TO ENCLOSE THE RPA TO MAKE A CONSTRUCTION EXCLUSION ZONE (CEZ).

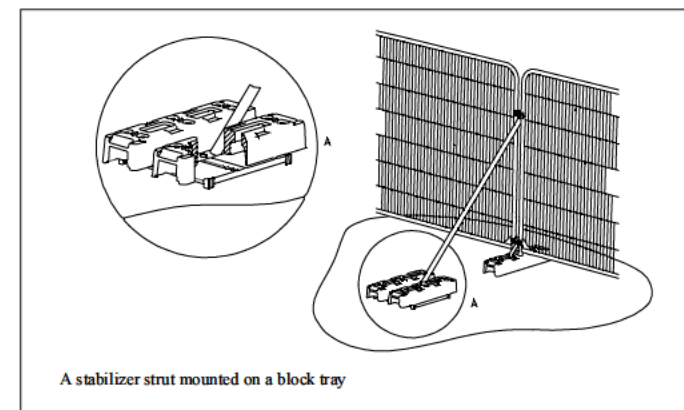
THIS AREA IS TO BE CONSIDERED A RESTRICTED AREA; NO PEDESTRIANS, VEHICLES, THE STORAGE OF MATERIALS, EQUIPMENT OR MACHINERY ARE ALLOWED WITHIN THE CEZ, UNLESS SPECIFIED WITHIN THE ARBORICULTURAL METHOD STATEMENT.

IT IS IMPORTANT THAT THE PROTECTIVE FENCING IS CHECKED BY THE LPA OR THE ARBORICULTURAL CONSULTANT PRIOR TO ANY CONSTRUCTION WORKS BEING CARRIED OUT. IF THE TREE PROTECTION MEASURES ARE NOT CORRECTLY INSTALLED OR IF THEY DO NOT COMPLY WITH BS 5837: 2012, THIS COULD RESULT IN DAMAGE BEING CAUSED TO TREES AND CONSEQUENTLY A STOP NOTICE MAY BE SERVED BY THE LPA.

THIS PLAN IS TO BE PRINTED IN COLOUR AND READ IN CONJUNCTION WITH THE JCA ARBORICULTURAL REPORT (JCA REF: 16199-A/AJB)



An example of an above-ground stabilizing system



A stabilizer strut mounted on a block tray



I hope that this report provides all the necessary information, but should any further advice be needed please do not hesitate to contact the author.

Andrew Bussey *LANTRA Accredited PTI.*

20th November 2020

For and on behalf of *JCA Ltd*

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Professional Tree and Ecology Advice nationwide

ARBORICULTURAL SERVICES

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- Arboricultural Implication Assessments (AIA)
- Arboricultural Method Statements (AMS)

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- Heave Assessment
- Tree Root Identification

Advice for Local Authorities and Social Housing

- Tree Safety Surveys
- Specialist Decay Detection
- Landscape and Orchard Design

Tree Advice for the Legal Profession

- Subsidence Litigation
- Personal Injury and Accident Investigation
- Expert Witness, Planning Inquiries and Appeals

Veteran Tree Management

- Ancient Woodland Management
- Veteran Tree Management

Tree Health and Pest and Disease Management

- Pest and Disease Surveys
- Tree Health Checks
- Disease Mitigation and Control

ECOLOGICAL SERVICES

Ecological Pre-Planning Services

- Phase 1 Habitat Surveys
- Great Crested Newt eDNA Sampling
- Protected Species: Bat, Wintering and Nesting Bird, Badger, Amphibian, Otter, Water Vole, White-Clawed Crayfish, Dormice and Reptile Surveys.
- Preparation for Environmental Impact Assessment (EIA)
- Invasive Species Surveys
- Code for Sustainable Homes

Ecological Post-Planning Services

- Biodiversity Enhancement Plans
- Protected Species Mitigation
- Ecological Management (Bat and Bird box installation and inspection)

HEAD QUARTERS:

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Halifax, HX4 0AD.

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