ALLARBORICULTURE
23 Southernhay Avenue, Bristol, BS8 4TJ
07375110399 I 0800 107 3652
e – info@allarboriculture.co.uk

ARBORICULTURAL IMPACT ASSESSMENT AND METHOD STATEMENT

BS5837:2012

On behalf of:
Gurpreet Singh

Site:
5 Frankswood Avenue, West Drayton, UB7 8QR

Prepared by:
Kristian Chesterman BSc (Hons)

Report Reference:
AAAIA5FRA

Report Date:
2nd February 2024

ALLARBORICULTURE

Contents

1.0 Instruction

All Arboriculture has been instructed by Gurpreet Singh to undertake a tree survey in accordance with BS5837:2012 *Trees In relation to design, demolition and construction – Recommendations*, and to produce an Arboricultural Impact Assessment, Arboricultural Method Statement and Tree Protection Plan. The instruction was received on the 31st January 2024. The tree survey was carried outon the 2nd February 2024.

2.0 Statement of purpose

The purpose of this report is to provide local planning authorities with sufficient arboricultural information to consider the effect of the proposed development on nearby trees, and to demonstrate that trees have been carefully considered throughout the development process.
The report includes an arboricultural method statement that describes how work will be undertaken to provide adequate protection of retained trees.

3.0 Associated documents and drawings

This report should be read in conjunction with the following documents and drawings:

1. Proposed Out Building
2. British Standards Institute - BS5837:2012 Trees in relation to design, demolition and construction – Recommendations
3. Tree Protection Plan – AATPP5FRA

4.0 Site Description

The site is in the urban area of West Drayton and is a semi detached residential dwelling. The proposal is the installation of an outbuilding. The site falls under the jurisdiction of London Borough of Hillingdon Council who have not been approached to ascertain whether any of the trees close to site are protected by a tree preservation order or conservation area.

5.0 Vegetation Description

The vegetation consists of 1 off site Category C tree.

6.0 Arboricultural impact assessment

Table 1: Summary of impacts	
Tree removal	None
Facilitation pruning	None
Demolition within RPA	None
New surfacing within RPA	None
New structures within RPA	None

Building construction in relation to tree roots: No tree removal or facilitation pruning is required to enable the development to proceed.
T1 is an off site tree and has grown on a different level to the proposed and is 0.5m higher which has restricted root growth the the site. There is also an existing concrete slab where the proposed will be installed so traditional construction methods may be used and will not impact on the retained tree.

Building construction in relation to tree crowns: It is important that sufficient growing space is allowed between the mature crown extent of each tree and the roof edge of the proposed structures. This is to reduce conflicts of interest in the future and to reduce the pressure to prune trees to keep them clear of roofs which is the case with this proposal.

Tree root and canopy protection: The off site tree will be protected by the boundary fencing so additional tree protection will not be required.

Special surfacing: I do not consider special surfacing to be warranted.

Materials delivery, storage and handling: Materials should not be handled or stored within the RPA's of retained trees; the load exerted can result in soil compaction and leachate from spills can be toxic to trees.

Surface drains, soak aways and services: It is important that services, surface drains and soak aways avoid the RPA's of retained trees as roots can be damaged during trench excavations which is the case with this proposal.

7.0 Arboricultural Method Statement

Implementation and phasing of the proposed development: Site meetings relating the Arboricultural Methodology will not be required.

Tree protection barriers: Protective fencing will not be required as the boundary fence will protect the off site tree.

Ground protection: Temporary ground protection will not be required as there is a concrete slab present and existing hard standing throughout the rear garden.

Storage and handling of materials: This site has sufficient space for materials to be stored and handled.

Contractors parking: There is sufficient space on Frankswood Avenue for parking.

Welfare facilities: Toilets and hand washing facilities shall be made available within the property.

Surface drains, soakaways and services: RPAs will be avoided in the drainage design however, in the unlikely event that existing cables need to be unearthed within an RPA, the method for doing so will accord with the recommendations in the NJUG Publication: Volume 4: Issue 2: 16/11/2007: Guidelines for the planning, installation and maintenance of utility apparatus in proximity to trees. Trenches will be dug by hand and any roots over 2.5cm in diameter will be retained undamaged. Smaller roots may be cut back to the proximal face with a clean, sharp pair of secateurs. The trench backfill around the roots shall be a granular material that can be compacted to the point where it can bear the new surfacing without subsiding but without abrasion of tree roots and without raising the soil bulk density to the point where root growth cannot take place. Should it be necessary, this operation will be overseen by the project Arboriculturist.

Supervision: Supervision will not be required.

Tree works: No tree works are required. T1 is cyclically pruned and this should continue.

Tree planting: It is respectfully suggested that if additional tree planting is required then this should be secured through an appropriately worded planning condition.

Sequencing of works

Site clearance of a light nature
Main construction phase
Removal of all non-essential equipment
Landscaping hard and soft (if required)
Completion

Contacts

Architect and Agent:

Name:
Tel:
E:

Arboricultural Consultant:

Name: K Chesterman
Tel: 07375110399
E: info@allarboriculture.co.uk

ALLARBORICULTURE

APPENDIX 1 - Tree Schedule Schedule

Tree No	Species	Height (m)	Trunk Diameter (cm)	Crown spread (m)		Crown height above ground (m)	Life stage	General observations	BS 5837 cat	Root protection area (m)
1	Crab Apple *Malus sylvestris*	5	18	1	1	2	Early Mature	Previously reduced off site tree.	C	2.1
				1	1					

APPENDIX 1 - Tree Schedule Schedule

Survey Key

Diameter (mm)

Stem diameter in millimetres measured at 1.5m above ground level. Where the stem is divided below 1.5m, measurement is taken as directed by BS:5837 Annex

C. RPA - Root Protection Area

RPA circle radius is determined from Annex D of BS:5837. R- Radius

A – Area

Branch Spread (m)

Radial crown spread in metres, measured for each of the four cardinal points of the compass from the centre of the trunk. Low branches

N E
W S

Height above ground in metres of the lowest branch and use of the 4 cardinal points of the compass.

Age class

(NP) Newly planted – a tree within 3 years after planting

(Y) Young – a tree within its first one third of life expectancy

(EM) Early Mature – a tree within its second third of life expectancy

(M) Mature – a tree in its final one third of life expectancy

(OM) Over Mature – a tree having reached its maximum life span and is declining in health and size due to old age

(V) Veteran – a tree in the second or mature stage of its life and has important wildlife and habitat features including; hollowing or associated decay fungi, holes, wounds and large dead branches.

(A) Ancient – a tree in the ancient or third and final stage of their life that is of interest biologically, aesthetically or culturally because of its age, size and condition

Physiological Condition

GOOD – a tree in a healthy condition with no significant problems

FAIR – a tree generally in good health with some problems that can be remediated POOR – a tree in poor health with significant problems that can't be remediated DEAD – a tree without sufficient live material to sustain life

Structural Condition

An assessment of the structural/safe condition of the tree categorised into:

GOOD – a tree in a safe condition with no significant defects

FAIR – a tree in a safe condition at present but with defects or with significant defects that can be remediated POOR – a tree with significant defects that can't be remediated.

EC - Estimated remaining contribution in years (based on the species and its current condition)

<10 Up to 10 years

10+ 10 years or more

20+ 20 years or more

40+ 40 years or more

Category (Tree quality assessment)

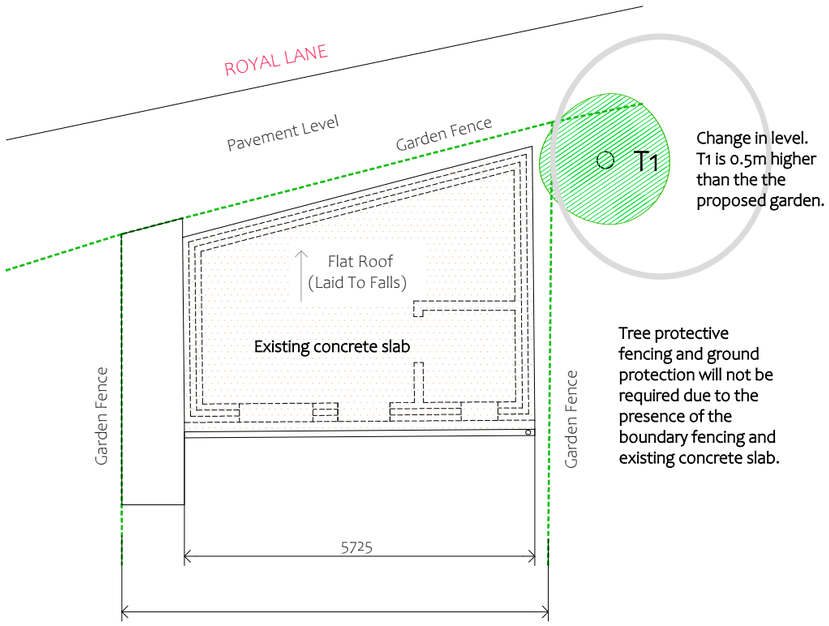
Category U – Tree in poor condition that cannot realistically be retained for longer

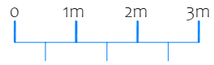
than 10 years Category A – Trees of high quality

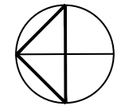
Category B – Trees of moderate quality Category

C – Trees of low quality

APPENDIX 2 - Tree Protection Plan







RPA for Cat A* tree

RPA for Cat B* tree

RPA for Cat C* tree

RPA for Cat U* tree

Tree Canopy

Heras Fencing

Ground Protection

All Arboriculture
23 Southernhay Avenue
Bristol
BS8 4TJ

ALLARBORICULTURE

Client:	Gurpreet Singh
Consultant:	Kristian Chesterman
Site:	5 Frankswood Avenue, West Drayton, UB7 8QR
Title:	Tree Protection Plan

Scale at A3:	Date:	Document Ref.
1:100	02/02/2024	AATPP5FRA