Tree Care Consultancy
ARBORICULTURAL CONSULTANTS

Arboricultural Method Statement
8 Lee Lane, Royston
S71 4RT

Report Reference: AIA-1354-1

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Appendices

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1 Introduction

1. An Arboricultural Method Statement (AMS) is often required to ensure the welfare of retained tree cover during the construction phase of development. It is based on the assumption that the minimum general standards for development are those set out in British Standard BS5873:2012 *'Trees in relation to design, demolition and construction'- Recommendations.*

2. **This document is to be made available to all operatives** on site during the construction process, so that they understand the scope and importance of the AMS. It should also be supplied to any subcontractor prior to their arrival on site. This document sets out the methodology and timing of work necessary to ensure successful tree retention both during and post development.

3. A BS5837 Tree Survey and accompanying Tree Constraints Plan were produced by Tree Care Consultancy as part of the planning permission 2020/0587. The aforementioned tree survey data has informed this AMS.

4. The AMS should be read in conjunction with the Tree Detail & Protection Information at appendix 1 and the Tree Protection Plan (TPP) at Appendix 2.

2 Tree Work

5. Any tree work deemed acceptable by the Council should be carried out prior to any construction activity including the installation of tree protection measures. Tree surgery is easier and more cost effective to undertake with no obstacles. Once development has commenced, this work may become difficult to perform and may restrict construction work. A list of prescribed tree pruning and removal is provided in in the Schedule of Tree Detail & Protection Information at appendix 1.

6. All Arboricultural Contractors should adhere to the following conditions:-

    - All tree work shall be undertaken by a suitably qualified, experienced and insured contractor.
    - In the event of any necessary tree work the contractor will work in accordance with BS 3998: 2010 'Tree Work Recommendations'.
    - The work should be planned to avoid the bird nesting season (1st March-31st August). If works are deemed necessary within this period they must only be implemented if checks have been made to ascertain there are no nesting birds present.

3 Tree Protective Fencing

7. Any tree scheduled for retention will require protection in accordance with BS5837, regardless of its initial retention category. This must be undertaken prior to any work beginning on site.

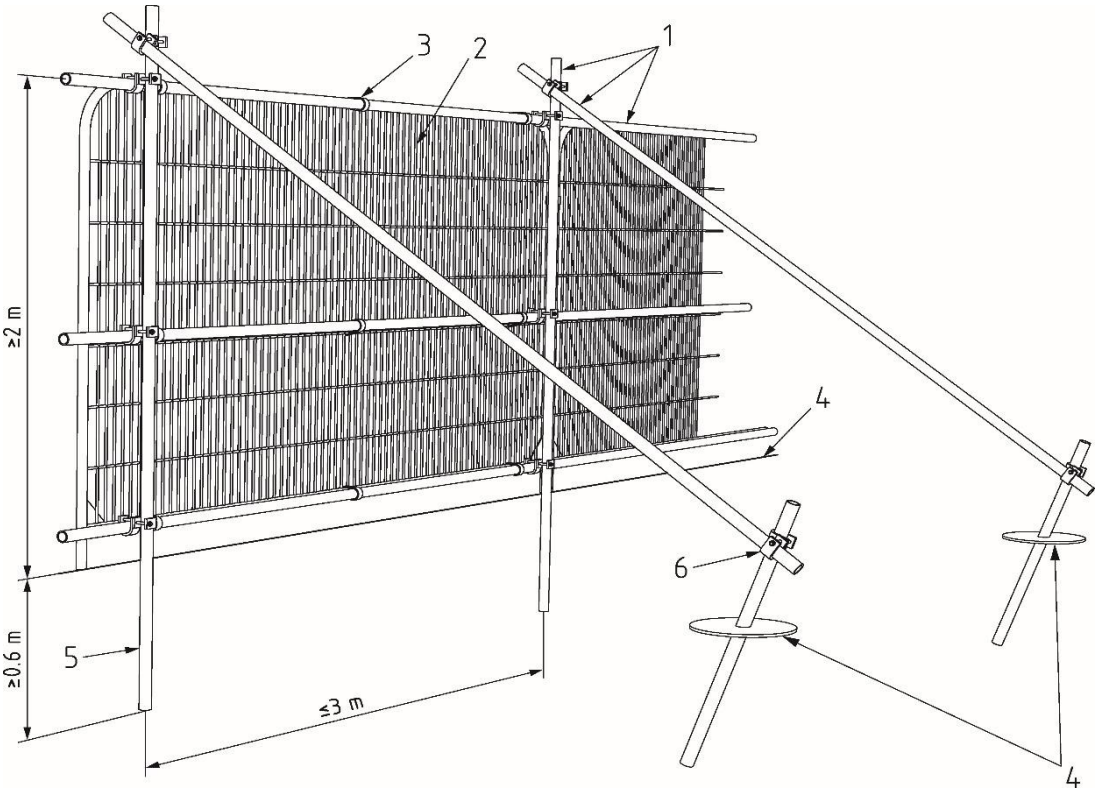
8. A Tree Protection Fence (TPF) will be erected after the completed tree works but prior to the commencement of any site works e.g. before any materials or machinery are brought on site. The location of the TPF is identified on the TPP and will not be removed or altered other than with the prior agreement of the project Arboriculturist. Once erected all protective fencing will be regarded as sacrosanct. The barriers will create the 'Construction Exclusion Zone' (CEZ). Photograph 1 is an example of the required fencing.

Photograph 1. Example of BS5837:2012 Protective Fencing

9. Once installed the fencing will remain in situ in a good, robust condition until the development is completed.

10. Waterproof signage will be attached to the fencing stating its purpose. The signs will be attached every 5m. An example sign has been included in appendix 4.

11. The diagram overleaf demonstrates the required fence specifications of BS5837:2012 Figure 2 for areas of high risk.



Key

1 Standard scaffold poles

2 Heavy gauge 2m tall galvanized tube and welded mesh infill panels

3 Panels secured to uprights and cross-members with wire ties

4 Ground level

5 Uprights driven into the ground until secure (minimum depth 0.6m)

6 Standard scaffold clamps

4 Services

12. No new services or soak-a-ways are to be sited or constructed within the RPA of any retained tree. Should work within the RPA become necessary due to unforeseen site circumstances this can be undertaken using techniques and methods described at section 4.1 of the current edition of the National Joint Utilities Group (NJUG) Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees (www.njug.org.uk) or if this is not practicable, trenches are to be opened by compressed air excavation tools and not mechanically dug.

5 Material Storage

13. There is enough space for deliveries, material storage and cement mixing within the site; clear of trees highlighted for retention. Suggested site compound locations are indicated on the TPP at appendix 2. No material storage will take place around the trees highlighted for retention.

6 Contact Details

14. The table below has been included to ensure all lines of communication are established prior to the initiation of any work included within this document.

Role	Name	Contact Details
Developer	Rob Paling	TBC
Site Foreman	TBC	TBC
Local Authority Tree Officer	Edward Jowett	01226 772557
Project Arboriculturist	TBC	TBC

7 Additional Precautions

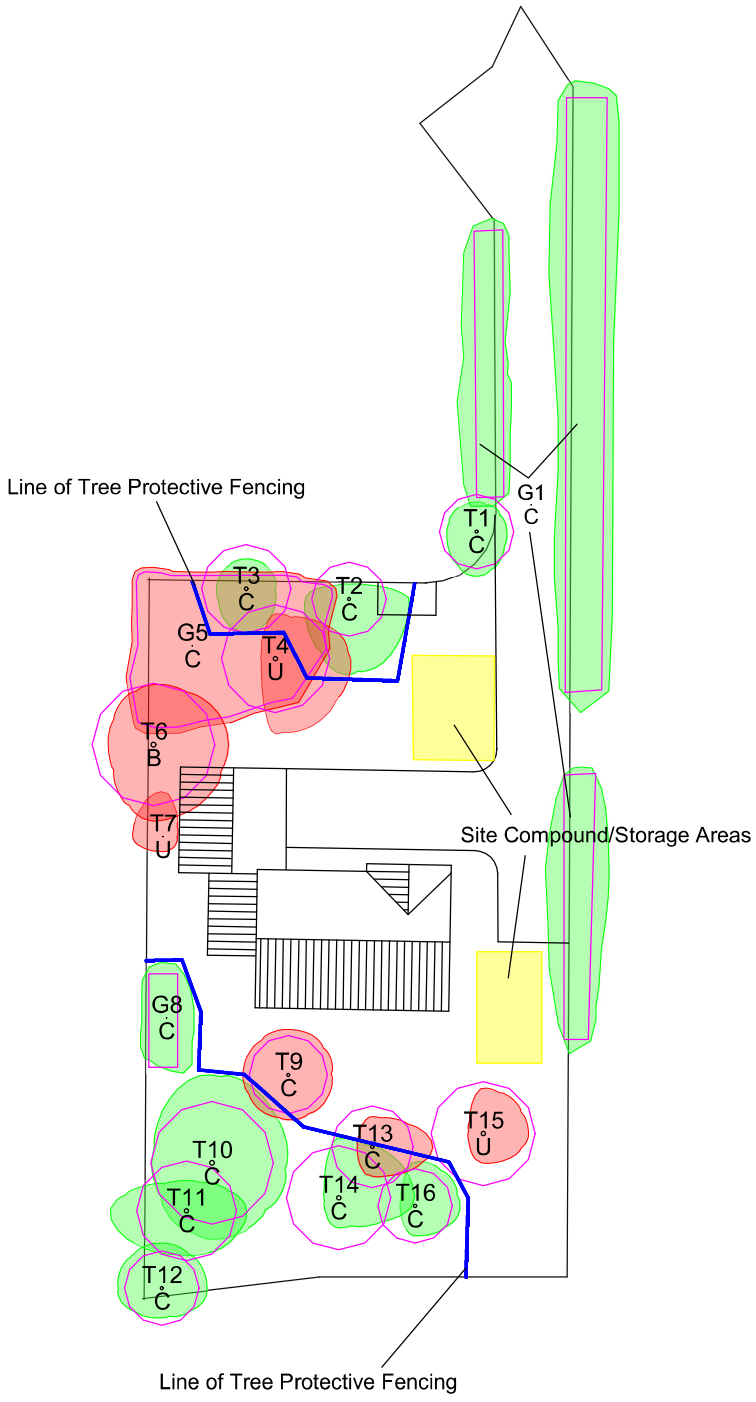
15. No notice boards, cables or other services will be attached to any tree. Materials which may contaminate the soil will not be discharged within 10m of any tree stem. When undertaking the mixing of materials, it is essential that any slope of the ground does not allow contaminates to run towards a tree root area.

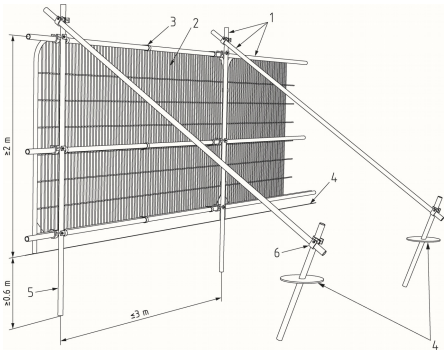
16. Water must be readily available on site and will be used to flush spilt materials through the soil and avoid contamination to tree roots. At the time of any spillage the main contractor will contact the Project Arboriculturist for advice.

Appendix 1 - Schedule of Tree Detail & Protection Information

Tree ID	Species, Botanical Name	Height (m)	No of stems	Stem @ 1.5M (mm)	Spread - N,E,S,W				Crown height+ direction (m)	Life stage	Physiological (P) and Structural (S) condition. Observations- negative and positive	Tree Work Recommendations	Tree Protection Measures	Life expectancy	Retention category	RPA Radius (m)
G1	Hawthorn, *Crataegus monogyna*	6	Multiple	up to 280	See plan				1	Mature	S=Fair, P=Normal. Old hedge along the eastern boundary of the site which has now developed into a line of small trees.	Remove first three items at access. Reduce in height and spread to return back to a formal hedge.	Existing hard standing will provide necessary protection.	10-20	C2	3.4
T1	Lawsons Cypress, *Chamaecyparis lawsoniana*	10	1	200	2	2	3	2	2	Semi mature	S=Good, P=Good. Well formed tree growing in the garden of neighbouring property.	Retain, no work required.	Combination of existing hard standing and perimeter fencing will provide necessary protection.	10-20	C2	2.4
T2	Apple, *Malus* spp	6	1	200	1	4	5	3	2	Mature	S=Fair, P=Good. Small item located next to northern boundary. Stem has significant weight biased towards south.	Retain, no work required.	Install Tree Protection Fence as per AMS and TPP.	10-20	C2	2.4
T3	Lawsons Cypress, *Chamaecyparis lawsoniana*	10	1	240	2	2	3	2	4	Semi mature	S=Good, P=Good. Single stemmed tree forking at 3m. Tight union but not thought to be defective at this stage	Retain, no work required.	Install Tree Protection Fence as per AMS and TPP.	10-20	C2	2.9
T4	Common Beech, *Fagus sylvatica*	10	2	200, 210	3	5	5	1	4	Semi mature	S=Poor, P=Fair. Twin stemmed tree with one stem dead and weight biased towards the east. Remain stem appears healthy although dead mans fingers fungus present at base.	Remove tree.	N/A	<10	U	3.5
G5	Cherry Laurel, *Prunus laurocerasus*	7	Multiple	up to 120	See plan				1	Mature	S=Good, P=Good. Old hedging that has been left and has subsequently spread, now occupying a large area.	Remove tree.	N/A	<10	C2	1.4
T6	Common Ash, *Fraxinus excelsior*	12	1	330	4	5	5	3	5	Mature	S=Good, P=Fair. Well formed tree growing on western boundary, no significant defects.	Remove tree.	N/A	20-40	B2	4
T7	Goat Willow, *Salix caprea*	8	3	200, 200, 300	5	4	4	1	1	Dead	Dead windblown tree.	Remove tree.	N/A	<10	U	4.9
G8	Hawthorn, *Crataegus monogyna* , Common Elder, *Sambucus nigra*	5	Multiple	up to 150	See plan				1	Mature	S=Fair, P=Good. Unmanaged boundary vegetation with small limb and stem breakages.	Reduce in height and spread to return back to a formal hedge.	Install Tree Protection Fence as per AMS and TPP.	10-20	C2	1.8
T9	Apple, *Malus* spp	7	1	210	3	3	3	3	2	Mature	S=Fair, P=Good. Small well formed tree with minor occluding wounds to stem.	Remove tree.	N/A	10-20	C2	2.5
T10	Cherry, *Prunus avium*	9	1	330	6	5	5	4	4	Early mature	S=Good, P=Fair. Well formed tree with no visible defects.	Retain, no work required.	Install Tree Protection Fence as per AMS and TPP.	10-20	C2	4
T11	Cherry, *Prunus avium*	6	2	180, 200	2	4	3	5	3	Early mature	S=Good, P=Good. Twin stemmed item with one stem topped at 5m.	Retain, no work required.	Install Tree Protection Fence as per AMS and TPP.	10-20	C2	3.2

Tree ID	Species, Botanical Name	Height (m)	No of stems	Stem @ 1.5M (mm)	Spread - N,E,S,W				Crown height+ direction (m)	Life stage	Physiological (P) and Structural (S) condition. Observations- negative and positive	Tree Work Recommendations	Tree Protection Measures	Life expectancy	Retention category	RPA Radius (m)
T12	Hawthorn, *Crataegus monogyna*	6	1	200	3	3	2	3	3	Mature	S=Fair, P=Good. Small well formed item, no visible defects.	Retain, no work required.	Install Tree Protection Fence as per AMS and TPP.	10-20	C2	2.4
T13	Apple, *Malus* spp	5	1	220	2	4	2	1	0.5	Mature	S=Fair, P=Good. Healthy, but partly uprooted item with crown heavily biased towards the east.	Remove tree.	N/A	10-20	C2	2.6
T14	Hawthorn, *Crataegus monogyna*	7	1	280	4	5	2	1	2	Mature	S=Good, P=Good. Well formed tree no visible defects.	Retain, no work required.	Install Tree Protection Fence as per AMS and TPP.	10-20	C2	3.4
T15	Plum, *Prunus domestica*	6	1	280	3	3	2	1	3	Mature	S=Fair, P=Poor. Single stemmed item with decaying pruning wounds present on stem and in a state of decline.	Remove tree.	N/A	<10	U	3.4
T16	Hawthorn, *Crataegus monogyna*	5	1	200	3	3	2	1	1	Early mature	S=Good, P=Good. Small well formed item.	Retain, no work required.	Install Tree Protection Fence as per AMS and TPP.	10-20	C2	2.4





Default Specification for a Protective Barrier

KEY

Tree to be Retained

Tree to be Removed

- Line of Tree Protective Fencing

0 30m

Tree Care Consultancy
ARBORICULTURAL CONSULTANTS

Tree Protection Plan

8 Lee Lane, Royston

SCALE : 500@ A4

DATE : 10/03/2021

N

MAP FILENAME : TCC-1354-1

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Appendix 3 – British Standards Signage