Arboricultural Impacts: Summary

(For details, see below)

Impact	No. of Trees
Trees to be removed	0
Trees that will require pruning	2
Trees where manual excavation needed within RPAs	1
Trees where above soil surfacing needed within RPAs	3

Trees that will require pruning

No.	Species	Works (Outline only*)
4	Common lime	Crown lift south canopies extending over site to 4.5m above ground level to facilitate installation of the site office and fencing
5	Common lime	Crown lift south canopies extending over site to 4.5m above ground level to facilitate installation of the site office and fencing

Pruning is to be undertaken in accordance with the British Standard Recommendations for Tree work, BS3998: 2010.
Climbing irons or spikes are not to be used whilst pruning trees.

Trees that require manual excavation within RPAs

No.	Species	Type of structure
1	English oak	Foundations- incursion equates to an area of 4.1m² or 1.4% of its RPA

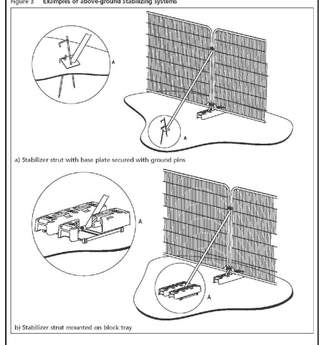
Trees that require above soil surfacing within RPAs

No.	Species	Type of structure
1	English oak	New hard surface
4	Common lime	Replacement of existing hard surface
5	Common lime	Replacement of existing hard surface

Protective Fencing

To be erected prior to the commencement of all works on site, and retained in place throughout construction. To comprise 2m tall 'Heras' welded mesh panels on rubber or concrete feet. The panels shall be joined together with two anti-tamper couplers, installed so that they can only be removed from inside the fence. Distance between the couplers should be at least 1m and should be uniform throughout the fence. Panels should be supported (where possible) on the inner side by stabilizer struts, which should normally be attached to a base plate secured with ground pins (Figure 3a). Where the fencing is to be erected on retained hard surfacing or it is otherwise unfeasible to use ground pins, e.g. due to the presence of underground services, the stabilizer struts shall be mounted on a block tray (Figure 3b). "TREE PROTECTION ZONE - KEEP OUT" or similar notices to be attached to every fifth panel.

Figure 3 Examples of above-ground stabilizing systems



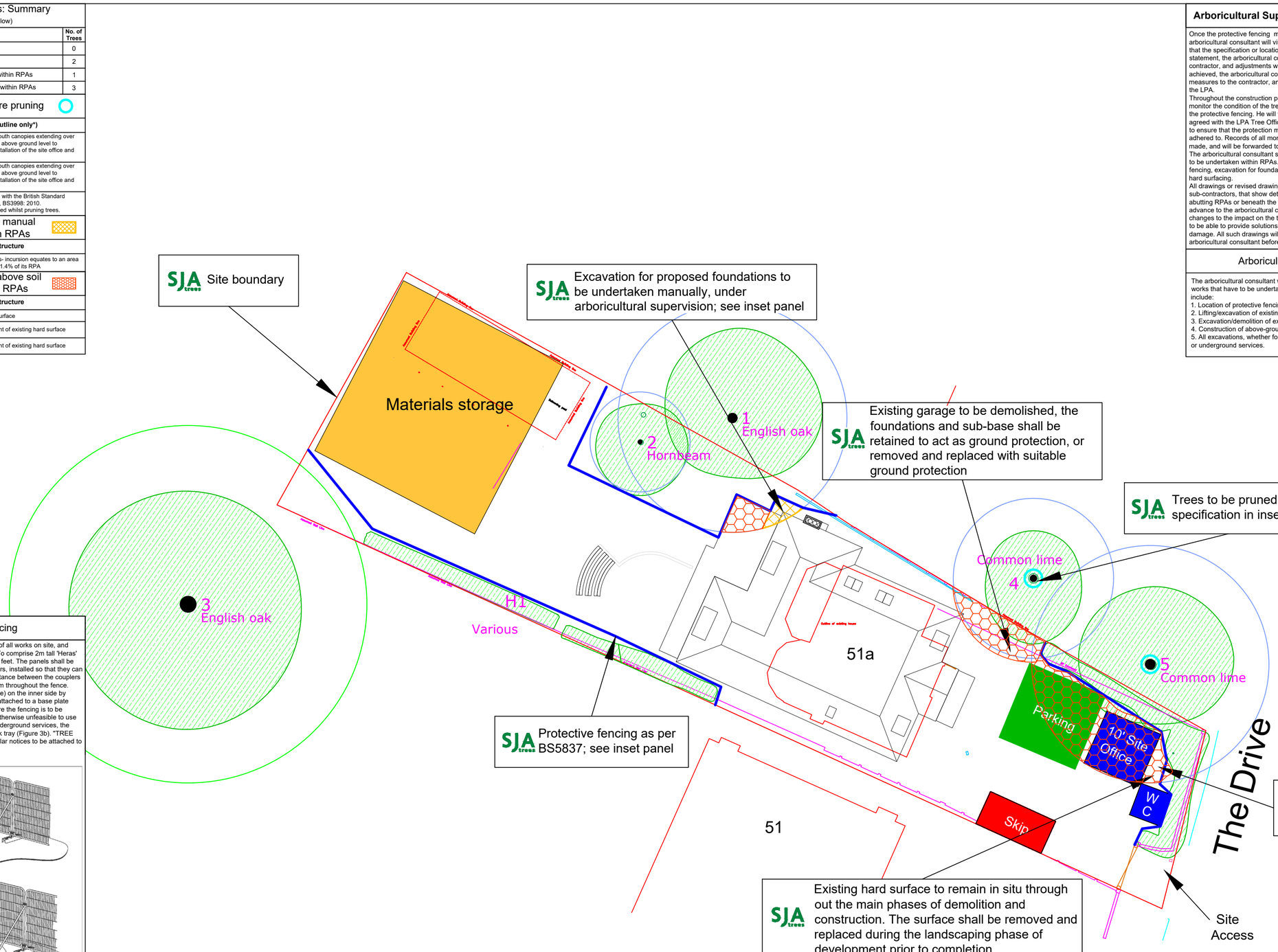
TREE PROTECTIVE FENCING as shown in BS 5837: 2012, Section 6.2.2 & Figure 3.

Manual Excavation

Within the root protection area of the English oak no. 1 the first 750mm depth of excavation for the proposed foundations shall be undertaken by hand under arboricultural supervision. The soil will be loosened with a pick or fork, and then will be cleared from roots with a compressed air soil pick. All roots will be cut cleanly with a hand saw or secateurs. The edge of the excavation closest to the trees will be covered with hessian sacking to prevent drying out, and if necessary be shuttered with an appropriate material to prevent soil collapse.

Above Soil Surfacing

Proposed hard surfacing within root protection areas (RPAs) of trees nos. 1, 4 and 5 to be constructed in accordance with section 7.4 of BS 5837: 2012, Trees in relation to design, demolition and construction - Recommendations. Other than the careful removal, using hand tools, of any turf layer, surfaces will be installed above existing soil level, or no deeper than the base of any existing surfacing it is replacing, so that the soil is not disturbed and no roots are severed; and an appropriate ground covering, possibly using a geogrid, a geoweb, or a combination of the two will be placed beneath the sub-base to minimise compaction of the soil in which tree roots are growing. Edge supports will also be installed above existing soil level.



Arboricultural Supervision and Monitoring

Once the protective fencing measures have been installed, the arboricultural consultant will visit site and inspect them. In the event that the specification or location does not comply with this method statement, the arboricultural consultant will inform the fencing contractor, and adjustments will be made. Once compliance is achieved, the arboricultural consultant will 'sign off' the tree protection measures to the contractor, and copy this (in writing) to the client and to the LPA.
Throughout the construction process the arboricultural consultant will monitor the condition of the trees, and the integrity and effectiveness of the protective fencing. He will visit the site at appropriate intervals, as agreed with the LPA Tree Officer at the pre-commencement meeting, to ensure that the protection measures outlined in this document are adhered to. Records of all monitoring and supervisory visits will be made, and will be forwarded to the client and copied to the LPA.
The arboricultural consultant shall directly supervise all works that have to be undertaken within RPAs. These include location of protective fencing, excavation for foundations and the removal and construction of hard surfacing.
All drawings or revised drawings issued to the site agent or to sub-contractors, that show details of any works within or immediately abutting RPAs or beneath the crowns of trees are to be referred in advance to the arboricultural consultant to enable him to advise on any changes to the impact on the trees that these drawings may cause, and to be able to provide solutions to avoid or mitigate any further tree damage. All such drawings will be approved and signed off by the arboricultural consultant before being proceeded with.

Arboricultural Supervision

The arboricultural consultant will directly supervise all construction works that have to be undertaken within root protection areas. These include:
1. Location of protective fencing and ground protection.
2. Lifting/excavation of existing hard surfaces.
3. Excavation/demolition of existing foundations.
4. Construction of above-ground hard surfacing.
5. All excavations, whether for proposed foundations, hard surfacing, or underground services.

Statement of purpose

The purpose of this arboricultural method statement plan is to detail what actions need to be taken to prevent the proposed demolition of the existing dwelling and associated outbuildings and the construction of a two storey building with habitable roof space and basement to create 3 x 2 bed self-contained flats with associated parking and amenity space at 51a The Drive, causing any unacceptable damage to the trees to be retained within this site and in the adjacent properties.

This method statement has been drawn up to comply with Condition nos. 6 and 7 of the planning permission (ref.: 66020/APP/2020/3720) granted by London Borough Hillingdon.

It complies with the recommendations of British Standard BS 5837: 2012, *Trees in relation to design, demolition and construction - Recommendations*.

Planning & communication

Unless otherwise agreed with the Local Planning Authority (LPA), the following actions are to be taken, in the order specified in the sequence of Works Table (see below).
The developer will appoint an arboricultural consultant to oversee all aspects of tree care and protection for the duration of demolition and construction works.
Prior to the commencement of works, the project manager will send copies of any demolition or construction method statements that might have implications for existing trees to the arboricultural consultant for his comments. The arboricultural consultant will liaise with the project manager to ensure that there are no conflicts between the demolition or construction method statements and this arboricultural method statement.
Prior to the start of any ground preperation, demolition or construction works the developer will convene a pre-commencement site meeting. This shall be attended by the developers' contract manager or site manager, the demolition contractor, the fencing/boarding contractor, the groundwork contractor(s) and the arboricultural consultant. The LPA tree officer will be invited to attend. At that meeting contact numbers will be exchanged, and the methods of tree protection outlined in this statement shall be fully discussed, so that all aspects of their implementation and sequencing are made clear to all parties. Any clarifications or modifications to this statement arising from the meeting shall be circulated to all parties in writing.

Sequence of works

(relevant to protection of existing trees)

Order	Works	Arb. supervision required:
1	Pre-commencement site meeting.	Yes
2	Erection of protective fencing	Yes
3	Demolition of the existing dwelling, garage and outbuilding to include the backfilling of the swimming pool	No
4	Supervised installation and excavation for the foundations in the north-west corner of the dwelling within the RPA of oak tree no.1	Yes
6	Following the completion of the main construction phase, the supervised removal and replacement of the existing hard surface within the RPAs of trees nos.	Yes
7	Clearance of machinery/materials from site, reinstatement and landscaping.	No
8	Removal of protective fencing and ground protection.	No

SJA trees ARBORICULTURAL PLANNING CONSULTANTS

Project:	51a The Drive, Ickenham
Client:	Eye Construction
Drawing:	METHOD STATEMENT PLAN
Drawing no:	SJA MSP 21251-091
Based on:	Proposed Site Plan

Drawn by: FJC	Date of Issue: June 2021	Scale: 1: 250 @ A2	
Checked by: FPS	Tel:(01737) 813058	sja@sjatrees.co.uk	
Tree nos.:	● 1	Canopies of trees to be retained:	Category 'A' RPA:
Category 'B' RPA:		Category 'C' RPA:	Protective fencing:
Above soil surfacing:		Manual excavation:	Trees to be pruned:

For further information refer to the SJA Tree Schedule
Do not scale from this drawing: please check all dimensions on site, and notify us of any discrepancies. Simon Jones Associates cannot be held responsible for inaccuracies in the topographical plan on which this drawing is based.

This drawing is designed to reflect only the principles of layout and /or design insofar as these relate to the protection of trees to be retained, and should NOT be read as a definitive engineering or construction method statement. Reference should be made to the architect or structural engineer, as appropriate, over any matters of construction detail or specification, or any engineering standards or regulatory requirements relating to proposed structures, hard surfaces or underground services.