

## **APPENDIX 4b**

### **Tree Protection Plan**

**Arboricultural Impacts: Summary**  
(For details, see below)

Impact	No. of Trees
Trees to be removed	59
Groups of trees to be removed	2
Groups of trees/hedges to be partially removed	5
Trees to be pruned	0
Trees where supervised demolition needed within RPAs	26
Trees where manual excavation needed within RPAs	3
Trees where above soil surfacing needed within RPAs	13
Trees with proposed underground services within RPAs	0

**Trees to be Removed**  
(Mature specimens)

No	Species	Category
4769	Ash	U
4981	Wild cherry	C (1)
4982	Wild cherry	B (1)
5300	Ash	C (2)
5301	Bay	C (2)
5301	Bay	C (2)

**Total numbers of trees to be removed**

Category	No. of trees	Category	No. of trees
A	0	U	1
C	50	B	8

**Trees that require manual excavation within RPAs**

No.	Species	Type of structure
5160	English oak	Proposed directional drilling pit
5215	English oak	Proposed swale
5441	English oak	Proposed directional drilling pit

**Trees that require above soil surfacing within RPAs**

No.	Species	Type of structure
3012	Beech	Proposed access track
3018	English oak	Proposed access track
5091	Ash	Proposed access track
5114	Ash	Proposed access track
5160	English oak	Proposed access track
5163	English oak	Proposed access track
5164	English oak	Proposed access track
5449	English oak	Proposed cycle path
5453	English oak	Proposed cycle path
5454	Silver birch	Proposed cycle path
5455	Beech	Proposed cycle path
5610	Hazel	Proposed access track
5611	Hazel	Proposed access track

**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.
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 swales or drainage installation.

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**Protective Fencing**

To be erected prior to the commencement of all works on site, and retained in place throughout construction. To comprise either 2.4m wooden site hoarding, or a 2m high scaffolding framework, with uprights at maximum 3m spacings, every other one braced to the ground with 45 degree struts, supporting standard anti-climb Heras' welded mesh fence panels secured with anti-lift devices to concrete or plastic bases pinned to the ground by scaffold uprights sunk to a minimum depth of 600mm; individual panels fixed to each other with at least 2 clamps and to scaffolding with heavy-duty cable ties. 'TREE PROTECTION ZONE - KEEP OUT' or similar notices to be attached to every fifth panel.

TREE PROTECTION FENCING as shown in BS 5837: 2012, Section 6.2.2 & Figure 2.

**Manual Excavation**

Within the root protection area of English oak no. 5215 the first 750mm depth of excavation for the proposed swale 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 sack to prevent drying out, and if necessary be shuttered with an appropriate material to prevent soil collapse. Where appropriate, the soil beneath this depth may be sheet piled; and deeper excavation may be undertaken by a machine provided it works from outside the root protection areas.

**Above Soil Surfacing**

Proposed hard surfacing within root protection areas (RPAs) of retained trees 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, 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. No hard surfacing will be placed within 0.5m of the trunks of any trees to be retained. Edge supports will also be installed above existing soil level.

**Supervised demolition**

Within root protection areas (RPAs) farm buildings and hard surfaces shall be removed with care, under the direct supervision of the arboricultural consultant. Foundations or surfaces will be broken up with hand-held breakers, and then removed by hand, wheelbarrow, or in the bucket of an excavator standing outside the RPA. At the discretion of the arboricultural consultant, an excavator positioned outside the RPA and using an appropriately sized toothless bucket may be used in some instances. Once completed, the base of the excavation and/or the edge closest to the trees will be covered immediately with hessian sack to prevent drying out of the soil, and where necessary be shuttered to prevent soil collapse.

**Revisions:**

Rev.	Date	Description
Rev. a	06/12/2024	First full draft (previous iteration circulated for design team benefits)
Rev. b	16/12/2024	Exclusion of barns from site boundary
Rev. c	15/01/2025	Site boundary update

**SJA trees ARBORICULTURAL PLANNING CONSULTANTS**

**Project:** Land West of Turners Hill Road - South of Huntslands

**Client:** Wates

**Drawing:** TREE PROTECTION PLAN - SOUTH

**Drawing no.:** SJA TPP 24409-041

**Based on:** Illustrative Masterplan SK006A

Drawn by:	Date of Issue:	Scale:
WFH	Dec. 2024	1: 1000@ A1

Checked by:	Tel:	Email:
FPS	(01737) 813058	sja@sjatrees.co.uk

Tree nos.:	Category 'U' trees:	Category 'A' RPA:	Category 'B' RPA:	Category 'C' RPA:
714	704			

Trees to be removed:	Protective fencing:	Supervised demolition:
95		

Above soil surfacing:	Manual excavation:	Ancient woodland & 15m buffer:

For further information refer to the SJA's Tree Survey Schedule. Do not scale from this drawing; please check all dimensions on site, and notify us of any discrepancies. SJA's (the trading name of Simon Jones Associates Ltd.) cannot be held responsible for inaccuracies in the topographic plan on which this drawing is based. © Simon Jones Associates Ltd. 2024

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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 used 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.

Scale: 1:1000 @ A1  
0m 10m 20m 30m 40m 50m  
METRES