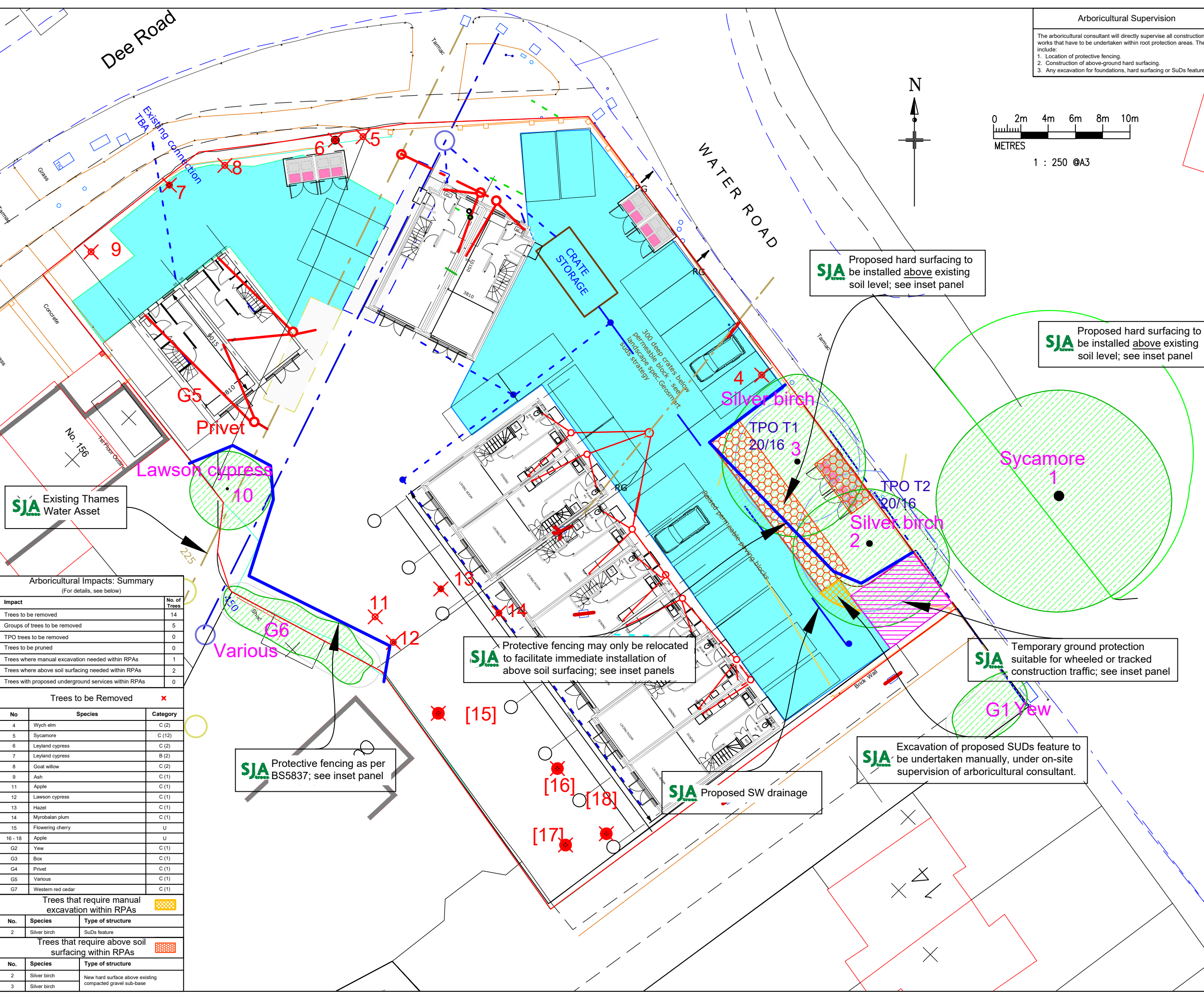




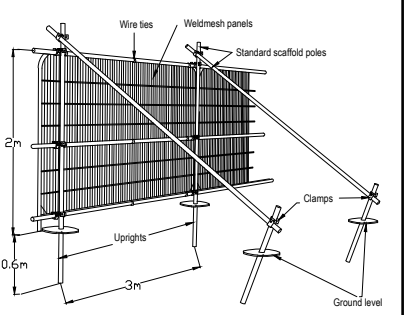
Arboricultural Supervision

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. Construction of above-ground hard surfacing.
3. Any excavation for foundations, hard surfacing or SuDs features

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.

Ground Protection

To be installed prior to commencement of demolition or construction works, at same time as erection of protective fencing. For wheeled or tracked traffic: temporary aluminium roadway ('Trakway' or similar), interlocking polyethylene tread boards ('Ground-Guards' or similar), or reinforced concrete slabs laid on an appropriate compressible layer above a biaxial geotextile grid - to be designed by a structural engineer to accommodate likely loadings.

Manual Excavation

Within root protection areas the first 750mm depth of excavation, for the proposed SuDs drainage feature 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. Where deeper excavation is required it may be undertaken by a machine provided it works from outside the root protection areas.

Above Soil Surfacing

Proposed hard surfacing within root protection area (RPA) of Silver birch nos. 2 & 3 to be retained, 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 (< 50mm), 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. Protective fencing may only be relocated prior to immediate installation of above soil surface, to be done under arboricultural supervision. Fencing to be relocated to prevent any access by plant or personnel which may cause compaction within RPAs.

Arboricultural Impacts: Summary
(For details, see below)

Impact	No. of Trees
Trees to be removed	14
Groups of trees to be removed	5
TPO trees to be removed	0
Trees to be pruned	0
Trees where manual excavation needed within RPAs	1
Trees where above soil surfacing needed within RPAs	2
Trees with proposed underground services within RPAs	0

Trees to be Removed

No	Species	Category
4	Wych elm	C (2)
5	Sycamore	C (12)
6	Leyland cypress	C (2)
7	Leyland cypress	B (2)
8	Goat willow	C (2)
9	Ash	C (1)
11	Apple	C (1)
12	Lawson cypress	C (1)
13	Hazel	C (1)
14	Myrobalan plum	C (1)
15	Flowering cherry	U
16 - 18	Apple	U
G2	Yew	C (1)
G3	Box	C (1)
G4	Privet	C (1)
G5	Various	C (1)
G7	Western red cedar	C (1)

Trees that require manual excavation within RPAs

No.	Species	Type of structure
2	Silver birch	SuDs feature

Trees that require above soil surfacing within RPAs

No.	Species	Type of structure
2	Silver birch	New hard surface above existing compacted gravel sub-base
3	Silver birch	

SJA Proposed hard surfacing to be installed above existing soil level; see inset panel

SJA Proposed hard surfacing to be installed above existing soil level; see inset panel

SJA Protective fencing may only be relocated to facilitate immediate installation of above soil surfacing; see inset panels

SJA Temporary ground protection suitable for wheeled or tracked construction traffic; see inset panel

SJA Excavation of proposed SuDs feature to be undertaken manually, under on-site supervision of arboricultural consultant.

SJA Proposed SW drainage

SJA Protective fencing as per BS5837; see inset panel

SJA trees ARBORICULTURAL PLANNING CONSULTANTS

Project: 2 - 6 Water Road Reading

Client: FDF Architecture

Drawing: TREE PROTECTION PLAN

Drawing no: SJA TPP 23085-041

Based on: Drainage and Landscape Rev C 28/2/23

Drawn by: NHK **Date of issue:** April 2023 **Scale:** 1: 250 @ A3

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

Tree nos.: ● 3	Category 'U' trees: ● [16]	Canopies of trees to be retained:
Category 'A' RPA:	Category 'B' RPA:	Category 'C' RPA:
Trees to be removed:	Protective fencing:	Ground protection:
Above soil surfacing:	Manual excavation:	Indicative pruning line:

For further information refer to the SJA Tree Survey 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.

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This drawing is designed to reflect only the principles of layout and for 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.