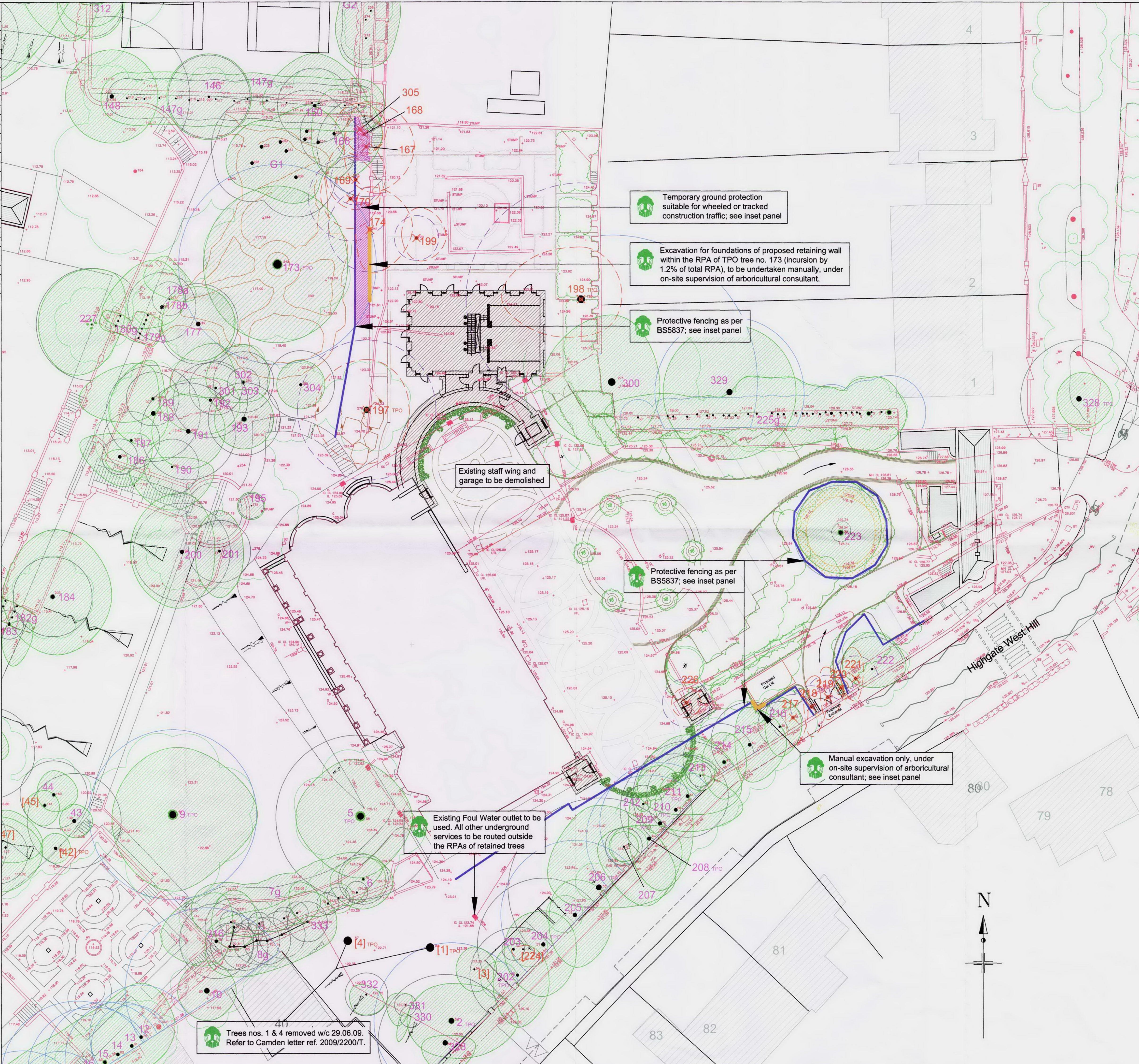


Arboricultural Impacts: Summary		
(For details, see below)		
Impact	Nos. of trees	
Trees to be removed	8	
TPO trees to be removed	2	
Total trees to be removed	10	
Trees to be pruned	0	
Trees where manual excavation needed within RPAs	2	
Trees to be Removed		
No.	Species	Category
167	Sycamore	C
168	Yew	C
169	Sycamore	C
170	Sycamore	C
174	Sycamore	C
197	Common lime (TPO)	C
198	Sycamore (TPO)	B
199	Apple	C
226	Cypress	C
305	Yew	C

Total numbers of trees to be removed			
Category	No. of trees	Category	No. of trees
A	0	B	1
C	9	R	0

Trees that require manual excavation within RPAs		
No.	Species	Type of structure
173	Sycamore	Retaining wall
215	Common lime	Car lift



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 2.1m high scaffolding framework, with uprights at maximum 3.5m 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 500mm; 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.

Figure 2 - Protective barrier

Ground Protection

To be installed prior to commencement of demolition or construction works, at same time as erection of protective fencing. For purely pedestrian traffic: scaffold boards or similar, of at least 35mm thickness, butted together and attached to each other with wooden battens or steel tie straps, laid either on an above ground scaffold framework, or on a compressible material (a 75mm deep layer of woodchips may be appropriate) above a biaxial geotextile grid ('geogrid' - 'Tensar' or similar) and pinned to the ground with steel pins to prevent movement.

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 a n 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 any excavation, whether for proposed foundations, hard surfacing, or underground services 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 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.

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.

Simon Jones Associates Ltd.

Project: Witnurst - Orangery application

Client: Witnurst Construction Ltd.

Drawing: TREE PROTECTION PLAN

Drawing No: SJA TPP 04 Revision No:

Based On: App1 Orangery

Drawn By: MR Date: June 2009 Scale: 1:200

Tel: (01737) 813058 Fax: (01737) 816140 sja@sja-trees.co.uk

Tree nos.: 223	Category 'R' trees: 141	Canopies of trees to be retained:
Category 'A' RPA:	Category 'B' RPA:	Category 'C' RPA:
Trees to be removed:	Protective fencing:	Ground protection:
Manual excavation:		

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. © Simon Jones Associates Ltd. 2009. This drawing is copyright and may not be used or changed without the written consent of Simon Jones Associates. 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.