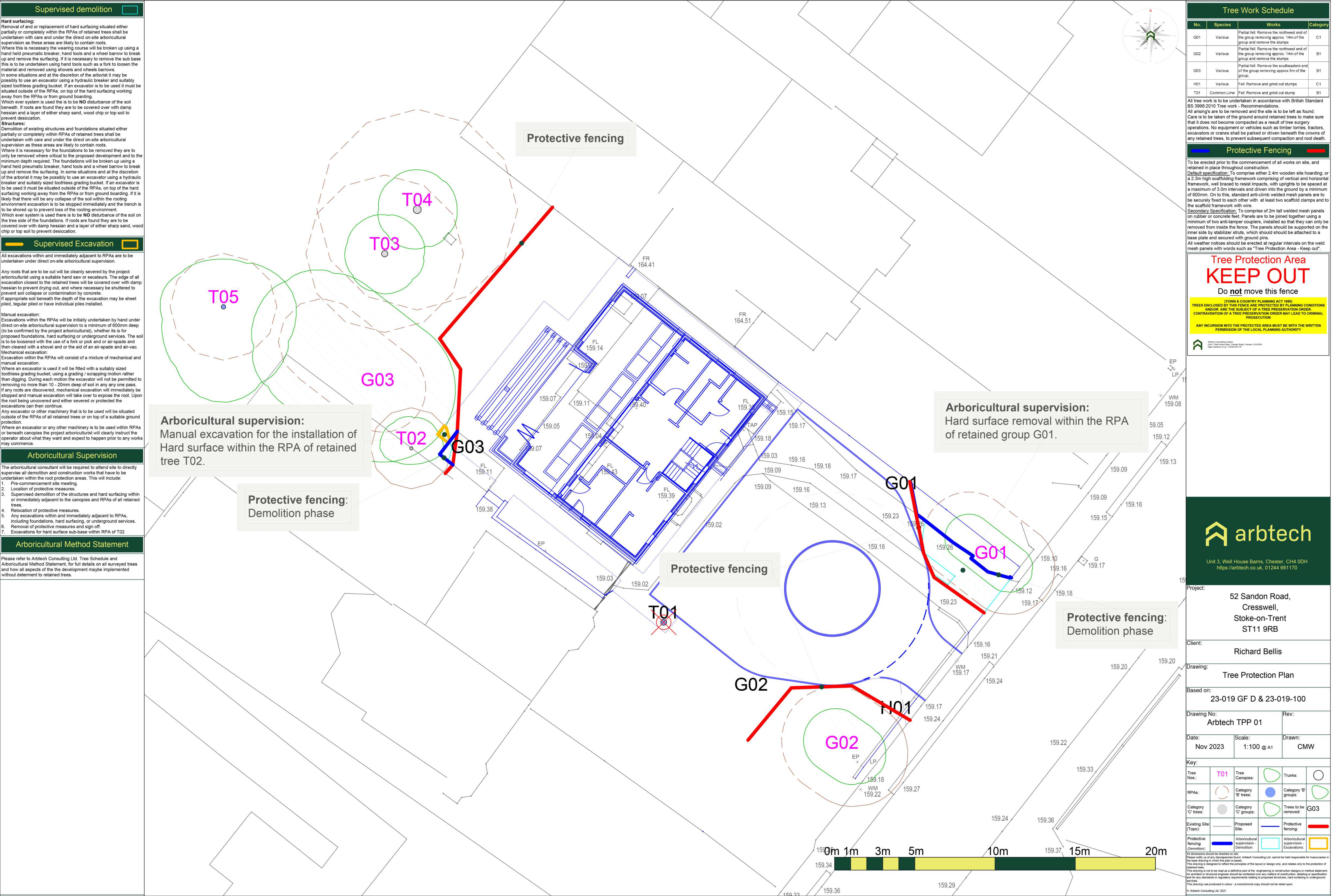




Supervised demolition Hard surfacing: Removal of and or replacement of hard surfacing situated either partially or completely within the RPAs of retained trees shall be undertaken with care and under the direct on-site arboricultural supervision as these areas are likely to contain roots. Where this is necessary the wearing course will be broken up using a hand held pneumatic breaker, hand tools and a wheel barrow to break up and remove the surfacing. If it is necessary to remove the sub base this is to be undertaken using hand tools such as a fork to loosen the material and removed using shovels and wheels barrows. In some situations and at the discretion of the arborist it may be possible to use an excavator using a hydraulic breaker and suitably sized toothless grading bucket. If an excavator is to be used it must be situated outside of the RPAs, on top of the hard surfacing working away from the RPAs or from ground boarding. Which ever system is used the is to be NO disturbance of the soil beneath. If roots are found they are to be covered over with damp hessian and a layer of either sharp sand, wood chip or top soil to prevent desiccation. Structures: Demolition of existing structures and foundations situated either partially or completely within RPAs of retained trees shall be undertaken with care and under the direct on-site arboricultural supervision as these areas are likely to contain roots. Where it is necessary for the foundations to be removed they are to only be removed where critical to the proposed development and to the minimum depth required. The foundations will be broken up using a hand held pneumatic breaker, hand tools and a wheel barrow to break up and remove the surfacing. In some situations and at the discretion of the arborist it may be possible to use an excavator using a hydraulic breaker and suitably sized toothless grading bucket. If an excavator is to be used it must be situated outside of the RPAs, on top of the hard surfacing working away from the RPAs or from ground boarding. If it is likely that there will be any collapse of the soil within the rooting environment excavation is to be stopped immediately and the trench is to be shored up to prevent loss of the rooting environment. Which ever system is used there is to be NO disturbance of the soil on the tree side of the foundations. If roots are found they are to be covered over with damp hessian and a layer of either sharp sand, wood chip or top soil to prevent desiccation. Supervised Excavation All excavations within and immediately adjacent to RPAs are to be undertaken under direct on-site arboricultural supervision. Any roots that are to be cut will be cleanly severed by the project arboriculturist using a suitable hand saw or secateurs. The edge of all excavation closest to the retained trees will be covered over with damp hessian to prevent drying out, and where necessary be shuttered to prevent soil collapse or contamination by concrete. If appropriate soil beneath the depth of the excavation may be sheet piled, regular piled or have individual piles installed. Manual excavation: Excavations within the RPAs will be initially undertaken by hand under direct on-site arboricultural supervision to a minimum of 600mm deep (to be confirmed by the project arboriculturist), whether its is for proposed foundations, hard surfacing or underground services. The soil is to be loosened with the use of a fork or pick and or air-spade and then cleared with a shovel and or the aid of an air-spade and air-vac. Mechanical excavation: Excavation within the RPAs will consist of a mixture of mechanical and manual excavation. Where an excavator is used it will be fitted with a suitably sized toothless grading bucket; using a grading / scraping motion rather than digging. During each motion the excavator will not be permitted to remove no more than 10 - 20mm deep of soil in any one pass. If any roots are discovered, mechanical excavation will immediately be stopped and manual excavation will take over to expose the root. Upon the root being uncovered and either severed or protected the excavations can then continue. Any excavator or other machinery that is to be used will be situated outside of the RPAs of all retained trees or on top of a suitable ground protection. Where an excavator or any other machinery is to be used within RPAs or beneath canopies the project arboriculturist will clearly instruct the operator about what they want and expect to happen prior to any works may commence. Arboricultural Supervision The arboricultural consultant will be required to attend site to directly supervise all demolition and construction works that have to be undertaken within the root protection areas. This will include: 1. Pre-commencement site meeting. 2. Location of protective measures. 3. Supervised demolition of the structures and hard surfacing within or immediately adjacent to the canopies and RPAs of all retained trees. 4. Relocation of protective measures. 5. Any excavations within and immediately adjacent to RPAs, including foundations, hard surfacing, or underground services. 6. Removal of protective measures and sign off. 7. Excavations for hard surface sub-base within RPA of T02. Arboricultural Method Statement Please refer to Arbtech Consulting Ltd. Tree Schedule and Arboricultural Method Statement, for full details on all surveyed trees and how all aspects of the the development maybe implemented without detriment to retained trees.	<table><tr><th colspan="4">Tree Work Schedule</th></tr><tr><th>No.</th><th>Species</th><th>Works</th><th>Category</th></tr><tr><td>G01</td><td>Various</td><td>Partial fell: Remove the northwest end of the group removing approx. 14m of the group and remove the stumps</td><td>C1</td></tr><tr><td>G02</td><td>Various</td><td>Partial fell: Remove the northwest end of the group removing approx. 14m of the group and remove the stumps</td><td>B1</td></tr><tr><td>G03</td><td>Various</td><td>Partial fell: Remove the southeastern end of the group removing approx 5m of the group</td><td>B1</td></tr><tr><td>H01</td><td>Various</td><td>Fell: Remove and grind out stumps</td><td>C1</td></tr><tr><td>T01</td><td>Common Lime</td><td>Fell: Remove and grind out stump</td><td>B1</td></tr></table> All tree work is to be undertaken in accordance with British Standard BS 3998:2010 Tree work - Recommendations. All arising's are to be removed and the site is to be left as found. Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber lorries, tractors, excavators or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death. Protective Fencing To be erected prior to the commencement of all works on site, and retained in place throughout construction. Default specification: To comprise either 2.4m wooden site hoarding; or a 2.3m high scaffolding framework comprising of vertical and horizontal framework, well braced to resist impacts, with uprights to be spaced at a maximum of 3.0m intervals and driven into the ground by a minimum of 600mm. On to this, standard anti-climb welded mesh panels are to be securely fixed to each other with at least two scaffold clamps and to the scaffold framework with wire. Secondary Specification: To comprise of 2m tall welded mesh panels on rubber or concrete feet. Panels are to be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed from inside the fence. The panels should be supported on the inner side by stabilizer struts, which should be attached to a base plate and secured with ground pins. All weather notices should be erected at regular intervals on the weld mesh panels with words such as "Tree Protection Area - Keep Out". Tree Protection Area KEEP OUT Do not move this fence (TOWN & COUNTRY PLANNING ACT 1990) TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECT OF A TREE PRESERVATION ORDER. CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL PROSECUTION ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY Arbtech Consulting Limited Unit 3, Well House Barns, Chester, CH4 0DH 01244 661170	Tree Work Schedule				No.	Species	Works	Category	G01	Various	Partial fell: Remove the northwest end of the group removing approx. 14m of the group and remove the stumps	C1	G02	Various	Partial fell: Remove the northwest end of the group removing approx. 14m of the group and remove the stumps	B1	G03	Various	Partial fell: Remove the southeastern end of the group removing approx 5m of the group	B1	H01	Various	Fell: Remove and grind out stumps	C1	T01	Common Lime	Fell: Remove and grind out stump	B1
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	Project: 52 Sandon Road, Cresswell, Stoke-on-Trent ST11 9RB Client: Richard Bellis Drawing: Tree Protection Plan Based on: 23-019 GF D & 23-019-100 Drawing No: Arbtech TPP 01 Rev: Date: Nov 2023 Scale: 1:100 @ A1 Drawn: CMW Key: <table><tr><td>Tree Nos.: T01</td><td>Tree Canopies:</td><td>Trunks:</td></tr><tr><td>RPAs:</td><td>Category 'B' trees:</td><td>Category 'B' groups:</td></tr><tr><td>Category 'C' trees:</td><td>Category 'C' groups:</td><td>Trees to be removed:</td></tr><tr><td>Existing Site (Topo):</td><td>Proposed Site:</td><td>Protective fencing:</td></tr><tr><td>Protective fencing (Demolition):</td><td>Arboricultural supervision - Demolition:</td><td>Arboricultural supervision - Excavations:</td></tr></table> All dimensions should be checked on site. Please notify us of any discrepancies found. Arbtech Consulting Ltd. cannot be held responsible for inaccuracies in the data drawing in which this plan is based. This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of retained trees. This drawing is not to be read as a definitive part of the engineering or construction designs or method statement. An architect or structural engineer should be consulted over any matters of construction, detailing or specification and for any standards or regulatory requirements relating to proposed structures, hard surfacing or underground services. This drawing was produced in colour - a monochrome copy should not be relied upon. © Arbtech Consulting Ltd. 2021	Tree Nos.: T01	Tree Canopies:	Trunks:	RPAs:	Category 'B' trees:	Category 'B' groups:	Category 'C' trees:	Category 'C' groups:	Trees to be removed:	Existing Site (Topo):	Proposed Site:	Protective fencing:	Protective fencing (Demolition):	Arboricultural supervision - Demolition:	Arboricultural supervision - Excavations:													
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