



Arboricultural Constraints Appraisal

In Relation to Proposed Construction of
Detached Residential Property at



**51 Downham Road, Chatburn,
Lancashire, BB7 4AU**

320221098P

Prepared by:

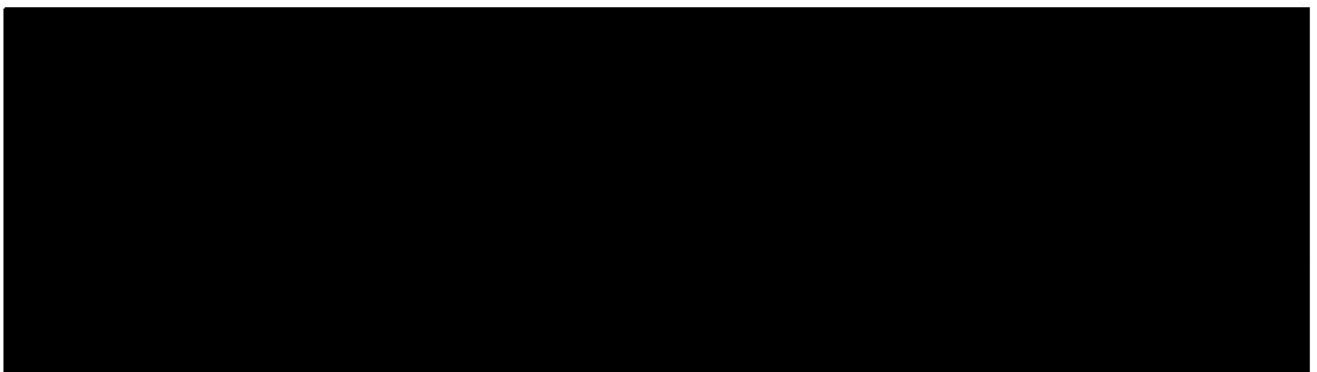
Bowland 
Tree Consultancy Ltd

November 2022

**ARBORICULTURAL CONSTRAINTS APPRAISAL
51 DOWNHAM ROAD, CHATBURN**

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**ARBORICULTURAL CONSTRAINTS APPRAISAL
51 DOWNHAM ROAD, CHATBURN**

PROJECT DETAILS

Project No.: BTC2088

Site: 51 Downham Road, Chatburn, Lancashire, BB7 4AU

Clients: Mr & Mrs Gavan

Council: Ribble Valley Borough Council

Survey Dates: 6 November 2020 & 1 November 2022

Surveyed by: [REDACTED]

Prepared by: [REDACTED]

Checked by: [REDACTED]

Date of Issue: 4 November 2022

Version No: 1

DISCLAIMER

Survey Limitations: Unless otherwise stated all trees are surveyed from ground level using non-invasive techniques. The disclosure of hidden crown and stem defects, in particular where they may be above a reachable height or where trees are ivy clad or in areas of ground vegetation, cannot therefore be expected. All obvious defects, however, are reported. Detailed tree safety appraisals are only carried out under specific written instructions. Comments upon evident tree safety relate to the condition of said tree at the time of the survey only.

Unless otherwise stated all trees should be re-inspected annually in order to appraise their on-going mechanical integrity and physiological condition. It should, however, be recognised that tree condition is subject to change, for example due to the effects of disease, decay, high winds, development works, etc. Changes in land use or site conditions (e.g. development that increases access frequency) and the occurrence of severe weather incidents are also significant considerations with regards tree structural integrity and trees should therefore be re-assessed in the context of such changes and/or incidents and inspected at intervals relative to identified and varying site conditions and associated risks.

Where trees are located wholly or partially on neighbouring private third-party land then said land is not accessed and our inspection is therefore restricted to what can reasonably be seen from within the site. Stem diameters of trees located on such land are estimated. Any subsequent comments and judgments made in respect of such trees are based on these restrictions and are our preliminary opinion only. Recommendations for works to neighbouring third-party trees are only made where a potentially unacceptable risk to persons and/or property has been identified during our survey. Where significant structural defects of third-party trees are identified and associated management works are considered essential to negate any risk of harm and/or damage then we will first attempt to inform the site occupier of the issues and, if not possible, then inform the relevant Council. Where a more detailed assessment is considered necessary then appropriate recommendations are set out in the Tree Survey Schedule.

Where tree stem locations are not included on the plan(s) provided then they are plotted at the time of the survey using, where appropriate and/or practicable, a combination of measurement triangulation and GPS coordination. Where this is not possible then locations are estimated. Restrictions in these respects are detailed in the report.

The tree survey and any report information provided is intended as a guide to identify key tree related constraints to site development only. As such, the potential influence of trees upon existing or proposed buildings or other structures resulting from the effects of their roots abstracting water from shrinkable load-bearing soils is not considered herein. The tree survey information in its current form should not therefore be considered sufficient to determine appropriate foundation depths for new buildings. Accordingly, an updated survey, with reference to the current NHBC Standards Chapter 4.2 - Building Near Trees, must therefore be prepared for the specific purpose of informing suitable foundation depths subsequent to planning approval being granted. The advice of a structural engineer must also be sought with regard to appropriate foundation depths for new buildings.

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Statutory Tree Protection: It is the client's responsibility to check for the presence of any statutory tree protection measures, such as the site's location within a Conservation Area and/or the presence of any Tree Preservation Orders, directly with the applicable Council's planning department prior to scheduling or carrying out any tree works. In turn, it is also the client's responsibility to check for a felling licence with the Forestry Commission prior to scheduling or carrying out any tree works. Bowland Tree Consultancy Ltd cannot be held responsible for any decisions made by the client to prune or remove trees where any such statutory protection exists.

Liability: This report was prepared for the sole use of 'The Client' and, where applicable, the client's 'Agent', in accordance with the agreement under which the services were instructed. No warranty, express or implied, is made as to the advice in this report or any other service provided by Bowland Tree Consultancy Ltd. This report may not be relied upon by any other party except the client or any third party for whom the report is intended without the prior written permission of Bowland Tree Consultancy Ltd. The content of this report is, at least in part, based upon information provided by secondary data sources and on the assumption that all relevant information has been provided by those parties from whom it has been requested. Information obtained from any third party has not been independently verified by Bowland Tree Consultancy Ltd, unless otherwise stated in the report.

Validity: The findings and recommendations contained within this report are, providing its recommendations are observed and the site conditions are retained as per the date(s) of the survey, valid for a period of twelve months from the last survey date. This period of validity may be reduced should there be any changes in factors affecting both the surrounding environment and/or built structures in relative proximity to the trees. The condition of trees should be re-appraised directly, through a site survey, following major weather events such as storms, changes undertaken to the site's conditions, inclusive of demolition and/or ground works, or the removal of existing site vegetation, including trees.

TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL

Site: 51 Downham Road, Chatburn, Lancashire, BB7 4AU

Clients: Mr & Mrs Gavan

Surveyor:

Survey Dates: 6 November 2020 & 1 November 2022

Job Ref: BTC2088

No.	Species	Height	Stem Diam.	Branch Spread	Branch & Canopy Clearances	Life Stage	PC	General Observations and Comments	Management Recommendations	ERC	Cat. Grade	RPA (m ²)	RPA Radius (m)
T1	Sycamore	12.5	780	N 5 E 6 S 6 W 5	2.5-E 6	M	M	<ul style="list-style-type: none"> In raised hard surface area with various retaining walls and buildings inside generic RPA, with amended more realistic estimated RPA subsequently also detailed on Tre Constraints Plan. Minor to moderate displacement visible to roadside of wall in area of tree. Areas of lose necrotic bark to lower stem. Large burr to stem at a height of approximately 2.5m. Crown showing signs of a substantial reduction in vitality with extensive dieback and deadwood up to approximately 250mm diameter. Tree has evidently undergone and is currently undergoing progressive retrenchment. Reduction in vitality evidently resultant of location in extensively hard-surfaced area. 	<ul style="list-style-type: none"> Prune tree to remove deadwood ≥50mm diameter. 	10+	C1	275	9.36
T2	Purple Plum	8.5	440	N 4 E 4 S 4 W 4	2 2.5	EM	G	<ul style="list-style-type: none"> Stem approximately 250mm from front stone boundary retaining wall. Moderate displacement visible to roadside of wall in area of tree. Light ivy up stem. Stem trifurcates at a height of approximately 2m. 	<ul style="list-style-type: none"> Remove tree due to evident damage causation to front stone boundary wall. 	<10	U	88	5.28
T3	Goat Willow	6	170	N 2.5 E 2.5 S 2.5 W 0	2-S 2	Y	G	<ul style="list-style-type: none"> Stem base in contact with stone retaining boundary wall, and is subsequently projected to cause progressive structural displacement on future growth over relatively short term (i.e. < 5 years). Severe stem lean south-east. Highly biased crown east. 	<ul style="list-style-type: none"> Remove tree due to evident damage causation to front stone boundary wall. 	<10	U	13	2.04
T4	Cockspur Thorn	6	1x300 1x250 1x200 (ms)	N 1 E 1 S 1 W 1	N/A 2	PM	G	<ul style="list-style-type: none"> Two stems arise at ground level with a tight fork. Very heavily topped at a height of approximately 4m with resultant extensive young regrowth. 		<10	U	87	5.26

Headings and Abbreviations:

No. - Allocated sequential reference number - Tree (T), Group (G), Woodland (W) or Hedge (H) reference number - refer to plan and to numbered tags where applicable
 Species - Common name
 Height - In metres, to nearest half metre - where possible approximately 80%, are measured using an electronic clinometer and the remainder estimated against the measured trees. In the case of Groups and Woodlands the measurement taken is that of the highest tree
 Stem Diam. - Stem diameter in millimetres - to nearest 10mm - measured and calculated as per Annex C of BS5837:2012. MS = multi-stemmed, TS = thin-stemmed
 Branch Spread - Crown radius measured (or estimated where considered appropriate) from the four cardinal points (North, East, South and West) to give an accurate visual representation of the crown
 Branch & Canopy Clearances - Existing height above ground level, in metres, of first significant branch and direction of growth (e.g. 2.5-N) and of canopy at lowest point - to inform on crown to height ratio, potential for shading, etc.
 Life Stage - Estimated age class - Y = young, SM = semi-mature, EM = early-mature, M = mature, PM = post-mature
 PC - Physiological Condition - a measure of the tree's overall vitality, i.e. D = Dead, MD = Moribund, P = Poor, M = Moderate, G = Good
 General Observations and Comments - Comments relating to the tree's overall condition and any other pertinent factors including structural defects, current and potential direct structural damage, physiological decline, poor form, etc.
 Management Recommendations - Surveys take the proposed development into consideration with recommendations made accordingly. More than one option may be given if considered appropriate
 Estimated Remaining Contribution - in years as per BS5837:2012 (i.e. <10, 10+, 20+, 40+)
 Category Grading - tree retention value listed as U, A, B or C - in accordance with BS5837:2012 Table 1
 RPA Area in m² - calculated area around the tree that must be appropriately protected throughout the development process in order to avoid root damage
 RPA Radius (m) - in metres measured from the centre of the stem to the line of tree protection
 # (Estimated Dimensions) - Where trees are located off-site, or are inaccessible for any other reason, and accurate measurements or other information cannot be taken then the information provided is estimated and is duly suffixed with a '#' symbol

TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL

Site: 51 Downham Road, Chatburn, Lancashire, BB7 4AU

Clients: Mr & Mrs Gavan

Surveyor: [REDACTED]

Survey Dates: 6 November 2020 & 1 November 2022

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No.	Species	Height	Stem Diam.	Branch Spread	Branch & Canopy Clearances	Life Stage	PC	General Observations and Comments	Management Recommendations	ERC	Cat. Grade	RPA (m ²)	RPA Radius (m)
T5	Sycamore	22	1000#	N 8 E 8 S 8 W 8	2 2	M	G	<ul style="list-style-type: none"> Located on neighbouring land and therefore not inspected in detail. Stem bifurcates at a height of approximately 5m. Moderate stem lean and highly biased crown south due to suppression by neighbouring tree. 400mm diameter pruning cavity to south-west of stem at a height of approximately 6m, with two further of approximately 200mm diameter just above to south and south-east. Decay visible within all cavities. Cavities in close proximity and subsequently anticipated to be connected with decay, which is projected to be a significant weak spot and likely point of failure in stem, particularly when considering highly biased and heavily weighted form of its crown. Several relatively large <i>Ceritoporus squamosus</i> white rot decay causing fungal fruiting bodies growing from largest cavity and lying on ground below tree, the size of which would indicate that the decay fungi is highly active. NB: Informed by client that fruiting body had fallen from tree several days previous to survey. Highly biased crown south. 		40+	A1/2	452	12
T6	Sycamore	16	700	N 1 E 5 S 6 W 5	6-W 10	M	G	<ul style="list-style-type: none"> Remove tree due to presence of significant stem defect in form of evidently connected decay cavities at a height of approximately 6m. 		<10	U	222	8.4
T7	Sycamore	16	660	N 5 E 5 S 2 W 6	8 6	M	G	<ul style="list-style-type: none"> Moderate stem lean and highly biased crown north due to partial suppression by neighbouring tree. Multiple primary branches arise at a height of approximately 9m, evidently at point where tree was previously topped. Cavity evident at point where multiple branches arise, although it was not possible to assess size and extent of cavity from ground level. Highly biased crown north. 	<ul style="list-style-type: none"> Instruct climbing arboriculturist to carry out aerial inspection of cavities for extent of hollowing and any associated decay and to appraise effects of these defects on tree's overall structural stability. 	10+	C1	197	7.92
G1	3no. Apple, 2no. Plum	≤ 4.5	≤ 2x130 (ts)	N ≤2 E ≤2 S ≤2 W ≤2	N/A ≥ 1.5	SM	G	<ul style="list-style-type: none"> Moderately spaced orchard group internal to site. 		10+	C1	≤ 15	≤ 2.21
G2	2no. Sycamore, 1no. Ash	≤ 14	≤ 500	N ≤5 E ≤6 S ≤6 W ≤5	4-S ≥ 4	EM	G	<ul style="list-style-type: none"> Moderately spaced group at road frontage. Dense ivy up stem of Ash to west and Sycamore to east. Canopy of Ash showing symptoms of effects of colonisation by Ash Dieback Disease (ADA). 	<ul style="list-style-type: none"> Sever ivy from stem of Ash and Sycamore at ground level and remove ivy completely from stems up to a height of approximately 2m. Monitor Ash for further decline due to colonisation by ADD. 	20+	B1/2	≤ 113	≤ 6

TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL

Site: 51 Downham Road, Chatburn, Lancashire, BB7 4AU

Clients: Mr & Mrs Gavan

Surveyor: [REDACTED]

Survey Dates: 6 November 2020 & 1 November 2022

Job Ref: BTC2088

No.	Species	Height	Stem Diam.	Branch Spread				Branch & Canopy Clearances	Life Stage	PC	General Observations and Comments	Management Recommendations	ERC	Cat. Grade	RPA (m ²)	RPA Radius (m)
				N	E	S	W									
G3	3no. Sycamore, 2no. Norway Maple	≤ 17	≤ 650	≤ 6 ≤ 6 ≤ 6 ≤ 6	N/A ≥ 2	EM-M	G	<ul style="list-style-type: none"> ■ Moderately spaced group internal to site. ■ Dense ivy up stems of several Sycamores. 	<ul style="list-style-type: none"> ■ Sever ivy from stems of applicable trees around entire circumference at ground level. 	40+	B1/2	191	7.8			
H1	Leyland Cypress	≤ 1.3	N/A	≤ 1 wide	N/A N/A	SM	G	<ul style="list-style-type: none"> ■ Length of managed hedge internal to site. 		40+	C1	N/A	≈ 1.5			

BS5837:2012 Table 1 – Cascade Chart for Tree Quality Assessment

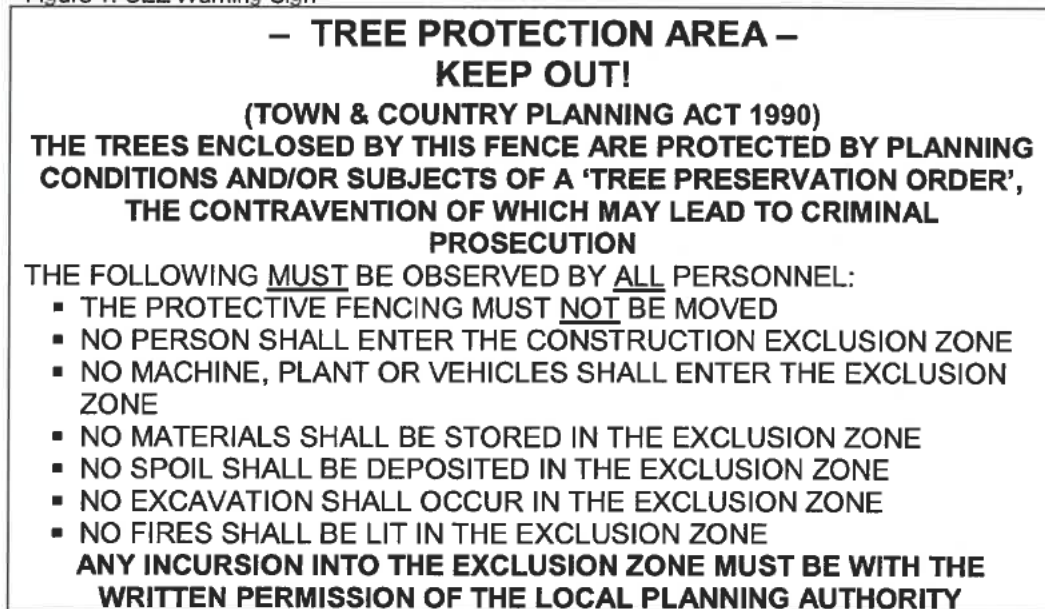
Category and definition	Criteria (including subcategories where appropriate)	Identification on plan		
<p>Trees unsuitable for retention (see Note)</p> <p>Category U</p> <p>Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years</p>	<p>Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning)</p> <ul style="list-style-type: none"> ▪ Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline ▪ Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality <p>Note: <i>Category U trees can have existing or potential conservation value which it might be desirable to preserve; see BS5837:2012 paragraph 4.5.7.</i></p>	<p align="center">Red</p>		
<p>Trees to be considered for retention</p> <p>Category A</p> <p>Trees of high quality with an estimated remaining life expectancy of at least 40 years</p> <p>Category B</p> <p>Those of moderate quality and value: those in such a condition as to make a significant contribution. A minimum of 20 years is suggested.</p> <p>Category C</p> <p>Those trees of low quality and value: currently in adequate condition to remain until new planting could be established - a minimum of 10 years is suggested - or young trees with a stem diameter below 150 mm</p>	<p>1. Mainly arboricultural qualities</p> <p>Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)</p> <p>Trees that might be included in the high category, but are downgraded because of impaired condition. Examples include the presence of remediable defects including unsympathetic past management and minor storm damage</p>	<p>2. Mainly landscape qualities</p> <p>Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features</p> <p>Trees present in numbers, usually as groups or woodlands, so they form distinct landscape features which attract a higher collective rating than they might as individuals. But which are not, individually, essential components of formal or semi-formal arboricultural features. For example, trees of moderate quality within an avenue that includes better, A category specimens. Or trees which are internal to the site, therefore individually having little visual impact on the wider locality</p> <p>Trees present in groups or woodlands, but without this conferring on them significantly greater landscape value, and/or trees offering low or only temporary screening benefit</p>	<p>3. Mainly cultural values, including conservation</p> <p>Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)</p> <p>Trees with clearly identifiable conservation or other cultural benefits</p> <p>Trees with very limited conservation or other cultural benefits</p>	<p align="center">Green</p> <p align="center">Blue</p> <p align="center">Grey</p>

- TEMPORARY PROTECTIVE FENCING & GROUND PROTECTION SPECIFICATION -

Construction Exclusion Zones (CEZs), shall be enclosed by **Temporary Protective Fencing** and/or, where necessary, **Temporary Ground Protection Measures**. The fencing/ground protection Type(s), locations, and extents shall be agreed, in writing, with the Local Planning Authority (LPA). In turn, the **Temporary Protective Fencing** and/or **Temporary Ground Protection Measures** shall:

1. be constructed as in accordance with the Type 1, Type 2 or Type 3 'Temporary Protective Fencing Construction' sections and, where applicable the 'Temporary Ground Protection Measures' section, as detailed herein and agreed, in advance with the LPA;
2. be retained in place throughout the development process until completion of the project, and only removed following receipt of written permission from the LPA;
3. be sited in the area(s) defined by the Root Protection Areas on the associated Tree Impact Plan, or as the CEZs on the Tree Protection Plan;
4. be erected prior to any construction, demolition or excavation works and remain in place for the duration of the project;
5. preclude any delivery of site accommodation and/or materials and/or plant machinery;
6. preclude all construction related activity, with the sole exception of specified arboricultural works and any other works to be carried out under supervision that have been agreed by all parties;
7. preclude the storage of all development related materials and substances including fuels, oils, additives, cement and/or any other deleterious substance; and
8. be affixed with a 600mm x 300mm warning sign reading "TREE PROTECTION AREA KEEP OUT" (see Figure 1, below), at every 10.0 metre length of protective fencing.
9. Important: Any incursion into CEZs must be by prior arrangement, following consultation with the LPA.

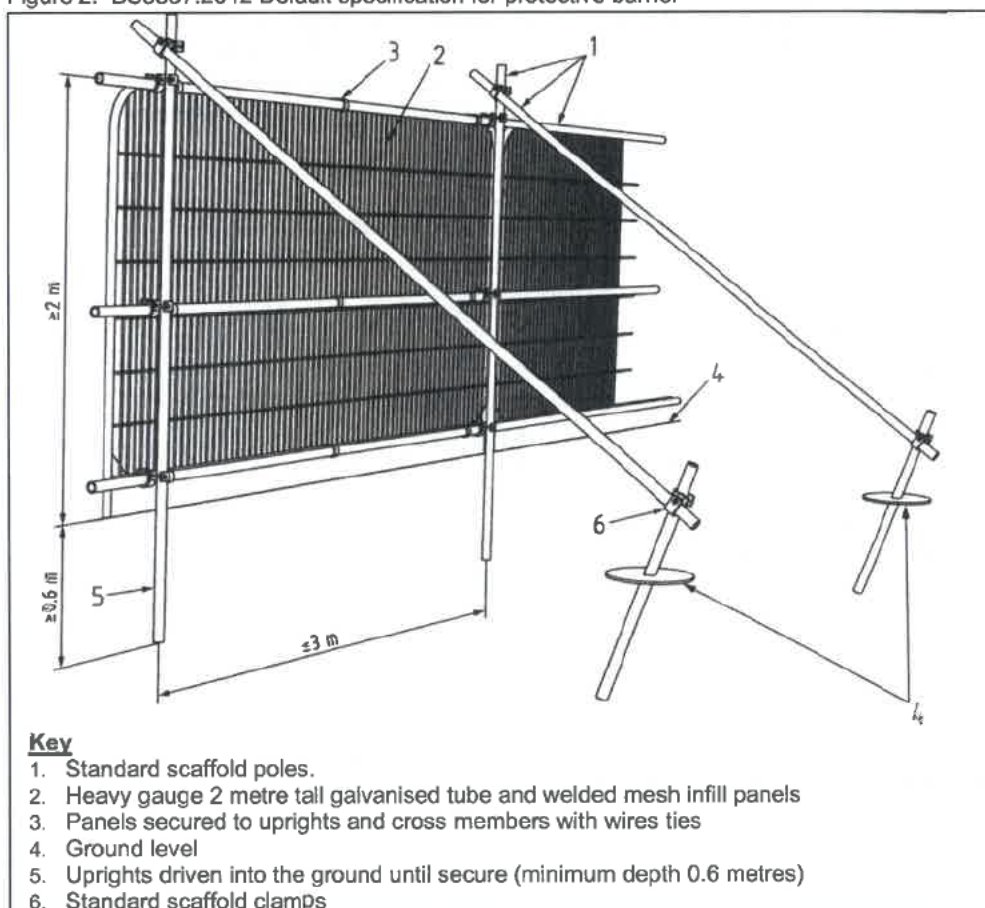
Figure 1: CEZ Warning Sign



Type 1 (i.e. 'Default') Temporary Protective Fencing Construction (see Figure 2, below)

1. Temporary protective fencing panels shall be weldmesh "Heras" panels of at least 2.0 metres in height.
2. The panels shall butt together and be securely fixed to a scaffold framework, as per points 3 to 5 of Figure 2, overleaf.
3. The scaffold framework shall comprise of upright poles of at least 3.0 metres in length driven no less than 0.6 metres into the ground at maximum 3.0 metre centres with horizontal and diagonal poles fixed to the uprights, as per points 4 to 5.
4. The two horizontal rail poles shall be attached to the uprights at heights of 0.6 and 1.8 metres with 3 no. clamps to each joint.
5. The diagonal scaffold pole struts be clamped to the top rail of the scaffold framework at a 45° angle and extend back into the CEZ and clamped to a 0.7 metre length of scaffold tube that shall be driven no less than 0.5m into the ground.
6. No fixing shall be made to any tree and all possible precautions shall be taken to prevent damage to tree roots when locating posts.
7. A 600mm x 300mm warning sign reading "TREE PROTECTION AREA KEEP OUT" (see Figure 1) shall be fixed to every 10.0 metre length of protective fencing.
8. On completion of erection, and prior to any demolition or construction works, site preparation, excavation or delivery of plant and materials, the Consulting Arboriculturist or the LPA Tree Officer, as agreed, shall inspect the Temporary Protective Fencing.

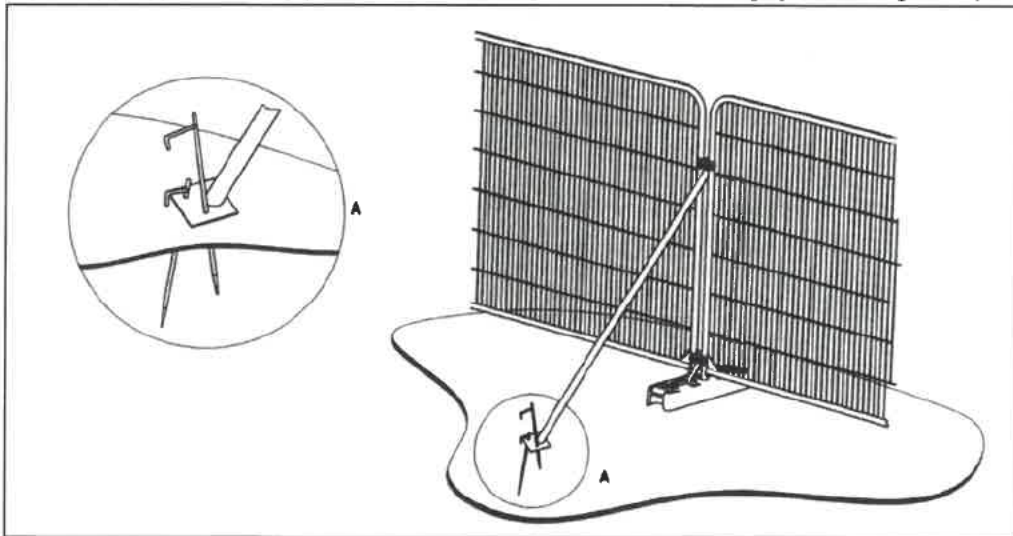
Figure 2: BS5837:2012 Default specification for protective barrier



Type 2 Temporary Protective Fencing Construction (see Figure 3(a), below)

1. Temporary protective fencing panels shall be weldmesh "Heras" panels of at least 2.0 metres in height.
2. The panels shall stand on rubber or concrete feet.
3. The panels shall butt together, and be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed from inside the fence.
4. The distance between the fence couplers shall be at least 1.0 metre, and shall be uniform throughout the fence.
5. The panels shall be supported on the inner side by stabiliser struts, which shall be clamped to the scaffold framework at a 45° angle and extend back into the CEZ and shall be attached to a base plate, which shall be secured to the ground with pins (Figure 3a).
6. No fixing shall be made to any tree and all possible precautions shall be taken to prevent damage to tree roots when locating posts.
7. A 600mm x 300mm warning sign reading "TREE PROTECTION AREA KEEP OUT" (see Figure 1) shall be fixed to every 10.0 metre length of protective fencing.
8. On completion of erection, and prior to any demolition or construction works, site preparation, excavation or delivery of plant and materials, the Consulting Arboriculturist or the LPA Tree Officer, as agreed, shall inspect the Temporary Protective Fencing.

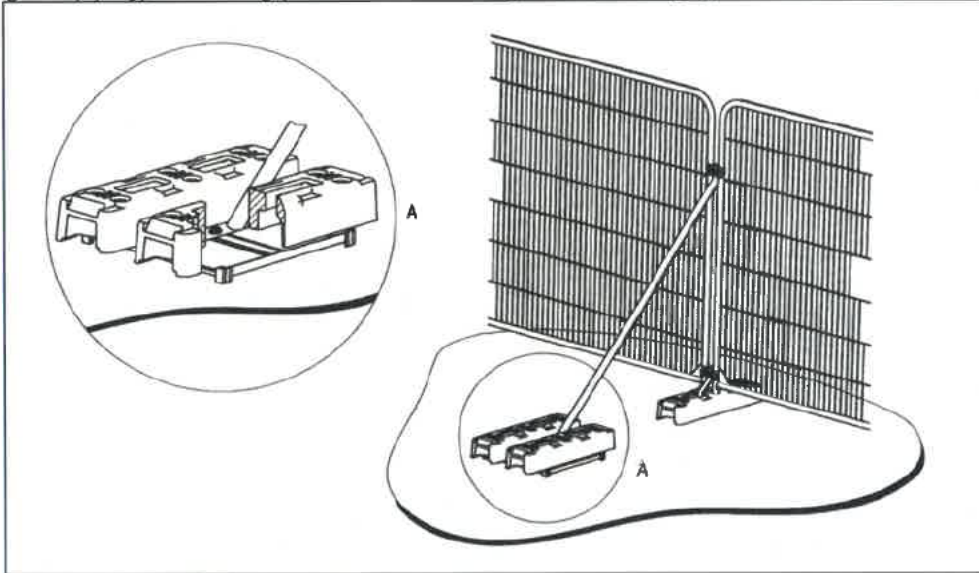
Figure 3(a): Type 2 Fencing (BS5837:2012 above-ground strut stabilising system with ground pins)



Type 3 Temporary Protective Fencing Construction (see Figure 3(b), overleaf)

1. Temporary protective fencing panels shall be weldmesh "Heras" panels of at least 2.0 metres in height.
2. The panels shall stand on rubber or concrete feet.
3. The panels shall butt together, and be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed from inside the fence.
4. The distance between the fence couplers shall be at least 1.0 metre, and shall be uniform throughout the fence.
5. The panels shall be supported on the inner side by stabiliser struts, which shall be clamped to the scaffold framework at a 45° angle and extend back into the CEZ and shall be attached to a block tray base (Figure 3b).
6. No fixing shall be made to any tree and all possible precautions shall be taken to prevent damage to tree roots when locating posts.
7. A 600mm x 300mm warning sign reading "TREE PROTECTION AREA KEEP OUT" (see Figure 1) shall be fixed to every 10.0 metre length of protective fencing.
8. On completion of erection, and prior to any demolition or construction works, site preparation, excavation or delivery of plant and materials, the Consulting Arboriculturist or the LPA Tree Officer, as agreed, shall inspect the Temporary Protective Fencing.

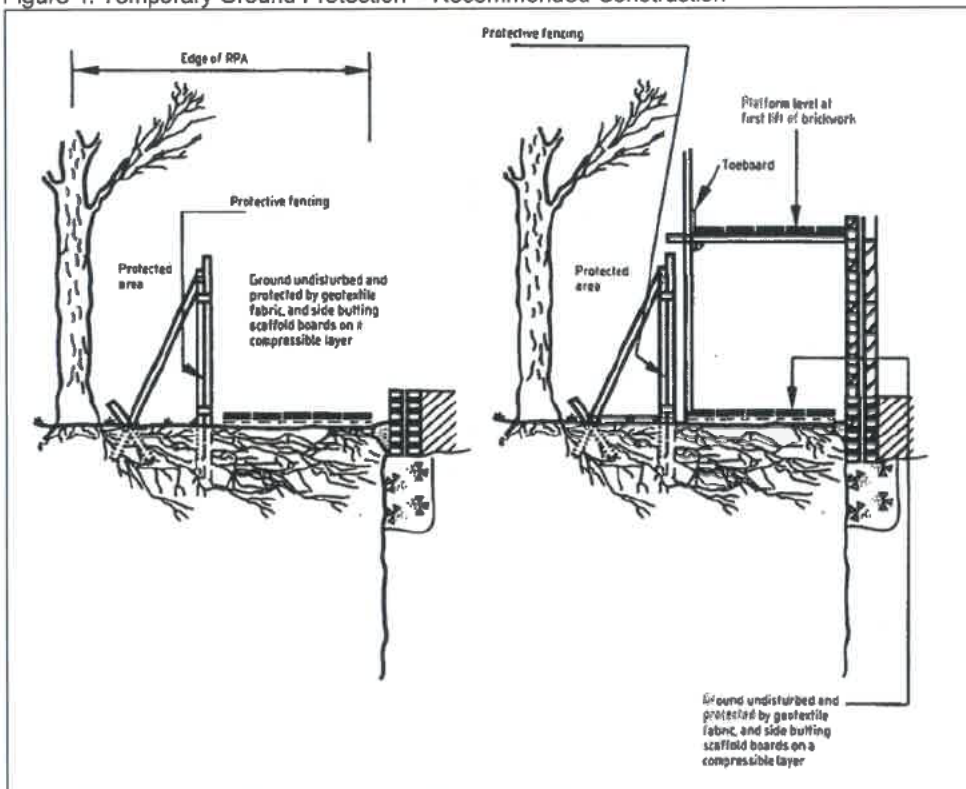
Figure 3(b): Type 3 Fencing (BS5837:2012 above-ground stabilising system with strut on block tray)



Temporary Ground Protection

1. Any necessary Temporary Ground Protection areas shall conform to Figure 4, below, unless otherwise agreed with the LPA.
2. The Ground Protection Area shall be left undisturbed and covered by a semi-permeable geotextile membrane which shall, in turn, be covered by a compressible layer consisting of a material such as woodchip.
3. Side-butting scaffold boards shall then be fitted to cover the Ground Protection Area.
4. On completion of installation, and prior to any demolition or construction works, site preparation, excavation or delivery of plant and materials, the Consulting Arboriculturist or the LPA Tree Officer, as agreed, shall inspect the Temporary Ground Protection.
5. The Temporary Ground Protection shall remain in place until completion of the project and only removed following receipt of written permission from the LPA.

Figure 4: Temporary Ground Protection – Recommended Construction



KEY
 T = Individual Tree
 G = Group of Trees
 H = Hedge

Please refer to associated Tree Survey Schedule for specific details in respect of items below.

Tree Categories:
 Those to be Considered for Retention:

Category 'A' Tree/Group/Hedge
 Those of a high quality with an Estimated Remaining Life Expectancy of 10 Years or More.

Category 'B' Tree/Group/Hedge
 Those of a medium quality with an Estimated Remaining Life Expectancy of 5 to 10 Years.

Category 'C' Tree/Group/Hedge
 Those of a low quality with an Estimated Remaining Life Expectancy of 1 to 5 Years, or Young Trees.

Those Considered Unavailable for Retention:
 Category 'U' Tree/Group/Hedge
 Those to be Retained but May Cause Particular Problems if Retained (e.g. Trees in Close Proximity to Buildings or Other Structures).

Note: The location of trees to be retained on the site is shown on this plan. The locations of trees to be removed are shown on the site plan by the removal of their symbols. The locations of trees to be retained are shown on the site plan by the retention of their symbols. The locations of trees to be removed are shown on the site plan by the removal of their symbols. The locations of trees to be retained are shown on the site plan by the retention of their symbols.

Root Protection Areas (RPAs):
 Root Protection Areas (RPAs) are defined as the area around a tree trunk, extending to the dripline, which is to be protected from development works with the potential to cause harm to the tree. RPAs are shown on this plan by the retention of their symbols.

Protective Fencing Specifications:
 Protective Fencing Specifications are defined as the specifications for the fencing to be installed around the RPAs. Protective Fencing Specifications are shown on this plan by the retention of their symbols.

Project:
 51 DOWNHAM ROAD
 CHATBURN
 LANCASHIRE
 BB7 4AU

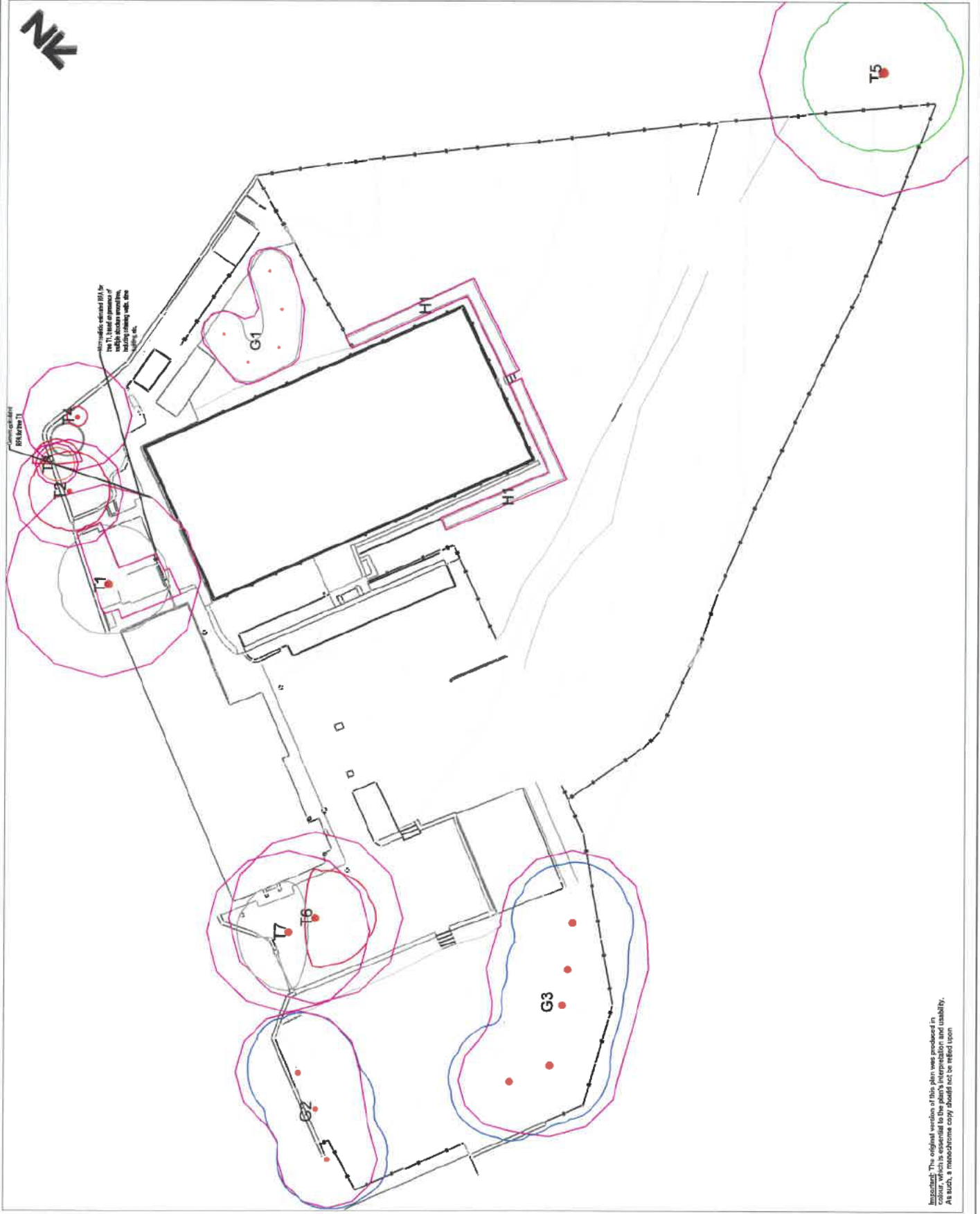
Clients:
 MR & MRS GOVAN

Title:
 TREE CONSTRAINTS PLAN
 In Support of Proposed Construction of a Customer Retention Property

Scale: 1:500 @ A4
Date: November 2022
Drawn by: P11
Checked by: AL

Bowland Tree Consultancy Ltd
 a subsidiary of
 01772 227250

Ref: BT2022-TCP Rev: A



Micro-sprinkler retained RPA for the T1, based on presence of trees in the area. The RPA is shown on the plan by the retention of its symbol.

Disclaimer: The original version of this plan was produced in accordance with the specifications of the Tree Consultancy. As such, a monochrome copy should not be relied upon.

