



Survey Extent Overview



Photographs



Drawing No: CCL 11231 / TCP Rev: 2
 Title: Tree Constraints Plan (Existing Layout)
 Site: Land at Clough Road HD7 5RD
 Scale: 1:300 Paper Size: A1



Tree Retention Categories	
	Category A tree
	Category B tree
	Category C tree
	Category U tree

Trees of high quality with an estimated life expectancy of 40+ years. Usually large trees with significant presence or smaller trees with excellent form. Retention of these trees is highly desirable.

Trees of moderate quality with a life expectancy of 10+ years. Usually maturing trees, or younger trees with good form. Retention of these trees is desirable though less than Category A trees.

Unremarkable trees of low quality and merit. Individual specimens are not considered to be a material planning consideration.

Trees unsuitable for retention due to their very poor condition.

Tree Constraints Plan

Status: Final

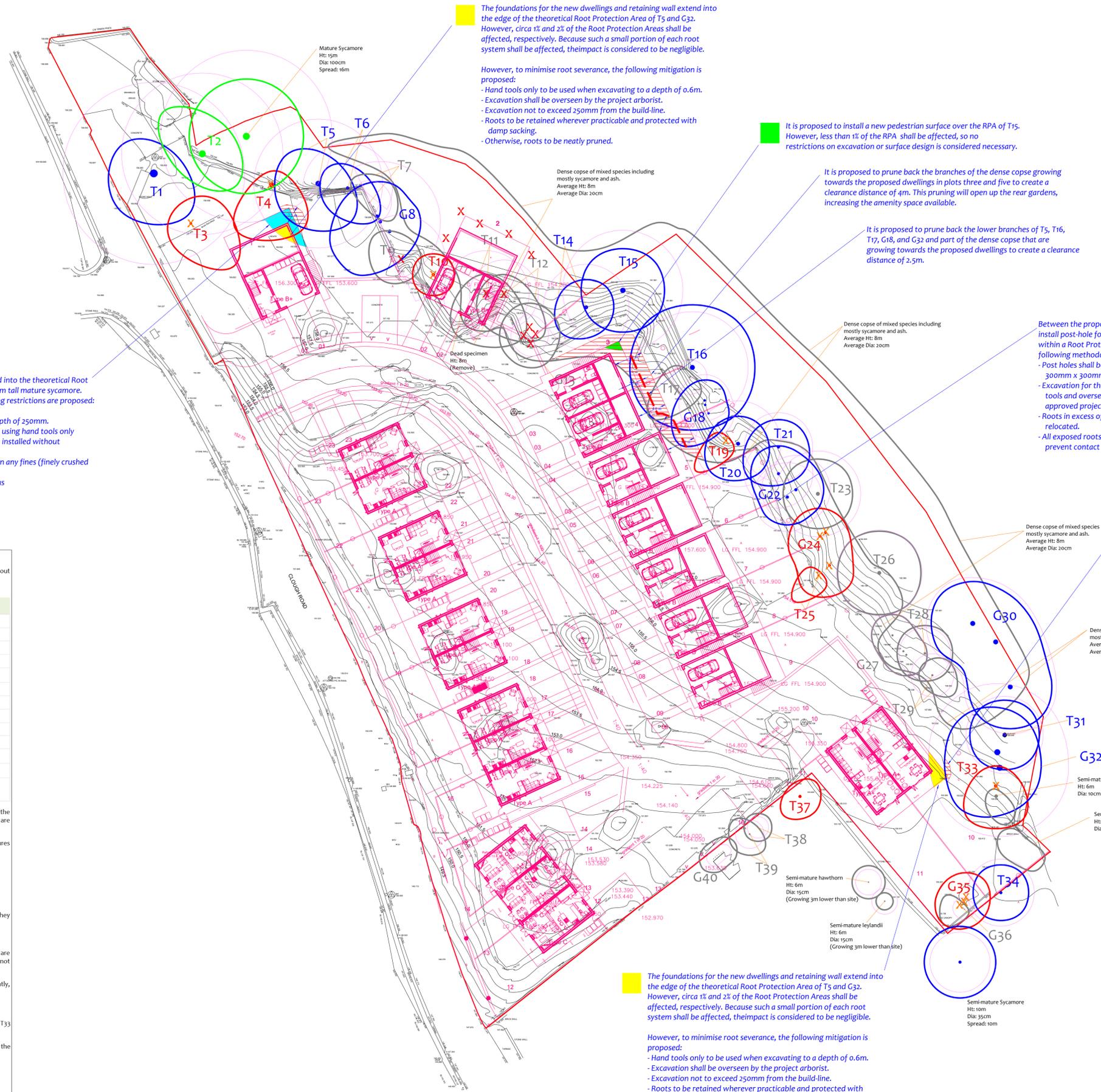
	B5 S37 Root Protection Area (radius = 1xstem diameter)
	Root Protection Area needing amendment due to site conditions, e.g. presence of existing road or building.
	Root Protection Area having been amended to account for site conditions.

Photo 1
 Circles and polygons highlighting TPOs

MN = Measured North:
 Canopy spreads are sometimes measured to an approximate N defined by site features. Often more accurate, especially where rows of trees are not aligned N-S or E-W.

Tree Ref.	Species	Height (m)	Radius (m)	Area (sqm)	
T1	Sycamore	15	12.7	508	22.5
T2	Sycamore	17	11.3	400	20.0
T3	Ash	9	4.1	52	7.2
T4	Ash	9	7.7	185	13.6
T5	Hybrid Black Poplar	15	9.0	254	16.0
T6	Ash	12	4.8	72	8.5
T7	Ash	10	2.4	18	4.3
G8	Sycamore	12	5.4	92	9.6
T9	Sycamore	10	5.0	80	8.9
T10	Sycamore	12	5.4	92	9.6
T11	Goat Willow	10	6.0	113	10.6
T12	Goat Willow	12	4.8	72	8.5
G13	Ash	6	1.8	10	3.2
T14	Sycamore	15	6.0	113	10.6
T15	Ash	15	8.4	222	14.9
T16	Sycamore	15	7.8	191	13.8
T17	Ash	6	2.4	18	4.3
G18	Sycamore	8	3.6	41	6.4
T19	Ash	7	3.0	28	5.3
T20	Sycamore	12	6.0	113	10.6
T21	Ash	14	4.8	72	8.5
G22	Sycamore	12	4.8	72	8.5
T23	Ash	15	6.0	113	10.6
G24	Ash	9	4.2	55	7.4
T25	Dead Tree	9	3.0	28	5.3
T26	Ash	15	6.0	113	10.6
G27	Sycamore	6	3.0	28	5.3
T28	Ash	9	3.6	41	6.4
T29	Sycamore	5	3.0	28	5.3
G30	Sycamore	15	6.5	133	11.5
T31	Sycamore	12	5.4	92	9.6
G32	Sycamore	15	9.6	290	17.0
T33	Sycamore	12	5.4	92	9.6
G34	Sycamore	10	4.7	68	8.3
G35	Ash	5	2.2	15	3.8
G36	Rowan	3	1.4	7	2.6
T37	Hawthorn	5	4.8	72	8.5
T38	Sycamore	6	1.5	7	2.7
T39	Goat Willow	6	2.0	13	3.5
G40	Ash	5	1.0	3	1.7

Proposed Layout (Red)



The foundations for the new dwellings and retaining wall extend into the edge of the theoretical Root Protection Area of T5 and G32. However, circa 1% and 2% of the Root Protection Areas shall be affected, respectively. Because such a small portion of each root system shall be affected, the impact is considered to be negligible.

However, to minimise root severance, the following mitigation is proposed:

- Hand tools only to be used when excavating to a depth of 0.6m.
- Excavation shall be overseen by the project arborist.
- Excavation not to exceed 250mm from the build-line.
- Roots to be retained wherever practicable and protected with damp sacking.
- Otherwise, roots to be neatly pruned.

It is proposed to install a new pedestrian surface over the RPA of T15. However, less than 1% of the RPA shall be affected, so no restrictions on excavation or surface design is considered necessary.

It is proposed to prune back the branches of the dense cope growing towards the proposed dwellings in plots three and five to create a clearance distance of 4m. This pruning will open up the rear gardens, increasing the amenity space available.

It is proposed to prune back the lower branches of T5, T16, T17, G18, and G32 and part of the dense cope that are growing towards the proposed dwellings to create a clearance distance of 2.5m.

Between the proposed gardens of several plots, it is proposed to install post-hole foundations fencing. Because the foundations are within a Root Protection Area of T16, G18 – T23 and T34, the following methodology is proposed:

- Post holes shall be narrow as possible and shall not exceed 300mm x 300mm.
- Excavation for the post holes shall be undertaken using hand tools and overseen by the local authority tree officer or an approved project arborist.
- Roots in excess of 25mm shall be retained, and the post hole relocated.
- All exposed roots over 25mm diameter shall be sleeved to prevent contact with fence posts and cement products.

It is proposed to prune back the lower branches of T5, T14, T16, T17, G18, and G32 and part of the dense cope that are growing towards the proposed dwellings to create a clearance distance of 2.5m.

A new pedestrian surface will extend into the theoretical Root Protection Area of T5, T15 and the 15m tall mature sycamore. To minimise the impact, the following restrictions are proposed:

- Excavation shall be limited to a depth of 250mm.
- All excavation shall be undertaken using hand tools only
- Any edging structure used shall be installed without excavation below this depth.
- Any sub-base used shall not contain any fines (finely crushed aggregate material).
- The finished surface shall be porous

Overview

It is proposed to construct 23 new dwellings as indicated on the drawings in Appendix 6. The existing layout is indicated in black, and the footprint of the proposed layout is indicated in red.

The table below summarises the potential impact on trees due to various activities.

Activity	Trees Potentially Affected
Tree Removal: Retention Category A	None
Tree Removal: Retention Category B	None
Tree Removal: Retention Category C	T9, T11 – G13 and part of the dense cope
Tree Removal: Retention Category U	T3, T4, T10, T19, G24, T25, T33 and G35
Tree Pruning	T5, T16, T17, G18, and G32 and the dense cope
RPA: House Foundations	T5 and G32
RPA: Retaining Wall Foundations	G32
RPA: Garden Fence Foundations	T16, G18 – T23 and T34
RPA: New Hard Surface	T5, T15 and the 15m tall mature sycamore
RPA: Replace Existing Hard Surface	None
RPA: Underground Services	None Anticipated
RPA: Change of Ground Levels	None
RPA: Soil Compaction	Trees adjacent the construction area (preventable by installing tree protection measures)

Other potentially damaging activities often associated with construction sites include demolition or the careless use of plant machinery, hazardous materials, or fires. All of the above potential impacts are considered in detail throughout this Section.

The accompanying Arboricultural Method Statement (duplicated in Appendix 6) specifies the measures proposed to minimise all possible potential risks of damage to the retained trees.

Tree Removal

All trees to be removed are indicated on the Tree Removal Plan and are listed below:

Retention Category A: It is proposed to retain all Retention Category A trees.

It is proposed to remove the following Retention Category A trees: T*. These trees are to be removed as they are located within the footprint of the proposal or so close to it that retention is not possible.

Retention Category B: It is proposed to retain all Retention Category B trees.

Retention Category C: It is proposed to remove T9, T11 – G13 and part of the dense cope. These trees are growing within the footprint of the proposed dwellings or so close to them that their retention is not possible.

These are not large trees and are not considered to have a particularly high amenity value. Consequently, their removal shall not have a significant impact on the visual amenity of the locality.

Retention Category U: It is proposed to remove T3, T4, T10, T19, G24, T25, T33 and G35.

All of these trees are infected with the disease known as ash dieback; however, T4, T10, T19, G24, T25, T33 and G35 have lost over 40% of their canopies and are unlikely to recover.

Trees within this category should be removed regardless of development proposals. Consequently, the removal of Category U trees is not considered to be a direct impact of the development.

Details specific to each tree can also be found in the Tree Data Schedule.

Mitigation Planting

We understand it is proposed to plant numerous new trees and shrubs as part of a post-development landscaping scheme.

Drawing No:	CCL 11231 / AFP Rev: 2
Title:	Assessment Feedback Plan
Site:	Land at Clough Road HD7 5RD
Scale:	1:300
Paper Size:	A1

Tree Retention Categories	
	Category A tree
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	Category U tree

Trees of high quality with an estimated life expectancy of 40+ years. Usually large trees with significant presence or smaller trees with excellent form. Retention of these trees is highly desirable.

Trees of moderate quality with a life expectancy of 20+ years. Usually maturing trees, or younger trees with good form. Retention of these trees is desirable though less than Category A trees.

Unremarkable trees of low quality and merit. Individual specimens are not considered to be a material planning consideration.

Trees unsuitable for retention due to their very poor condition.

Impact Assessment Plan

Status: Final - for submission

	BS 5837 Root Protection Area (radius = 1xstem diameter)
	Root Protection Area needing amendment due to site conditions, e.g. presence of existing road or building.
	Root Protection Area having been amended to account for site conditions

Tree to be removed to facilitate the proposal

Tree to be removed due to its low quality

Proposed pruning

MN = Measured North:
Canopy spreads are sometimes measured to an approximate N defined by site features. Often more accurate, especially where rows of trees are not aligned N/S or E/W.

Tree Ref.	Species	Height (m)	Radius (m)	Square (m)	
T1	Sycamore	15	12.7	508	22.5
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T7	Ash	10	2.4	18	4.3
G8	Sycamore	12	5.4	92	9.6
T9	Sycamore	10	5.0	80	8.9
T10	Sycamore	12	5.4	92	9.6
T11	Goat Willow	10	6.0	113	10.6
T12	Goat Willow	12	4.8	72	8.5
G13	Ash	6	1.8	10	3.2
T14	Sycamore	15	6.0	113	10.6
T15	Ash	8.4	2.22	14.9	
T16	Sycamore	15	7.8	191	13.8
T17	Ash	6	2.4	18	4.3
G18	Sycamore	8	3.6	41	6.4
T19	Ash	7	3.0	28	5.3
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G24	Ash	9	4.2	55	7.4
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T39	Goat Willow	6	2.0	13	3.5
G40	Ash	5	1.0	3	1.7

Arboricultural Method Statement

Site: Land at Clough Road, Slaithrow, HD7 5BD
Date: 17/02/2023 **Revision:** 2 **CCL ref No:** 11231
Author: Joe Taylor (Arboriculture), M. Arbor A
Client: Violet Homes Ltd

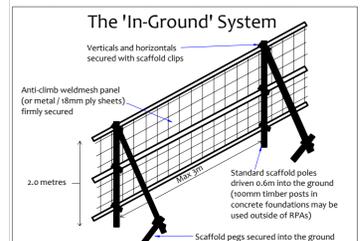
Tree Protection Barriers

The purpose of tree protection barriers is to keep construction activity away from Restricted Activity Zones or Construction Exclusion Zones. They should be appropriate to the nature and proximity of activity within the site. The barriers should be erected prior to the commencement of all activity including demolition, soil stripping and delivery of materials and demolition (except where existing structures require demolition to enable the barriers to be installed). Barrier systems are specified below and should be installed according to the legend on the Tree Protection Plan.

The In-Ground System

This system may be installed where indicated by a solid purple line on the Tree Protection Plan. It should be robust enough to withstand occasional knocks by plant machinery and, once installed, shall remain in place throughout the entire construction phase.

Vertical scaffold poles are driven into the ground, onto which are affixed horizontal scaffold poles and diagonal bracing struts. Wedmesh panels (or similar - e.g. Heras type fencing panels, or 18mm-plywood boards) are secured to this scaffold framework using sturdy clips (e.g. standard scaffold clips). The systems is illustrated in the diagram to the right and is based on BS 5373 guidelines.

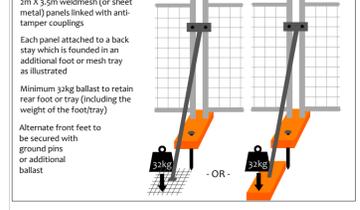


The Back-Stay System

This system may be installed where indicated by a solid or dashed purple line on the Tree Protection Plan. It is more practical over existing hard surfaces or where the fencing needs to be moved to enable permitted activities within a Restricted Activity Zone. This system should be able to withstand occasional knocks by machinery and should not be relocated except with the consent of the site manager and the approval of the local authority.

Within this system, wedmesh fencing panels (minimum height 2m) are affixed into rubber or concrete feet and clipped together with anti-tamper couplers. Two couplers should be used, spaced at least 1m apart. Alternate panels should be attached to a diagonal back stay connected to an additional foot or batgate secured with ground pins or additional ballast. Where ground pins are not used, the total weight of the footplate plus ballast should total not less than 3kg.

Where it is not possible to install diagonal struts (such as very close to a hedge) then the front feet shall be secured using ground pins or ballast.



Notices
 Suitable weather proof notices should be displayed to identify tree protection zones. They should state the purpose of the fencing and that it should not be moved, or traversed, other than by authorised personnel.

Removal of Tree Protection Barriers

Removal of protective fencing or ground protection measures shall be done after all major construction work is complete and their removal has been approved by the appointed arborist.

Ground Protection Measures

Within Restricted Activity Zones, soils containing roots may be subject to compaction due to general construction activity (including pedestrian activity and use of plant machinery). In order to minimise compaction, it is proposed to ensure that a suitable load-spreading surface is in place at all times. Any existing hard surfacing may be retained where engineers consider it adequate to spread the load of construction traffic. Otherwise it shall be reinforced or replaced with adequate ground protection measures.

Unless specified otherwise, ground protection shall consist of 2mm OSB boards laid at double thickness and screwed together to prevent slippage. The ground shall first be made even by raking, or by adding a few centimetres of sand or woodchip. Where only pedestrian traffic will occur, boards or planks may be supported by a scaffold framework. The scaffold may be founded on poles driven into the ground and/or onto blocks (to raise the scaffold) with additional couplings to make the framework secure.

Where engineers consider OSB boards to be inadequate (e.g. for large plant machinery where the tracks may chew up the timber) sturdier ground protection measures will be installed such as road plates, or sooms of 7-10mm angular gravel installed in 3D cellular confinement system (e.g. CellwebTM). If a piling mat is required, engineer's specifications should be referred to.

The ground protection measures shall be installed and approved before commencement of demolition and construction activity and before the arrival of plant machinery or materials. They shall remain in place until all heavy construction activity is complete or until they are due to be replaced with a new hard surface.

Construction Exclusion Zones

Within Construction Exclusion Zones the following restrictions shall apply:

- Tree Protection Barriers shall be erected and maintained throughout the entire project as indicated on the Tree Protection Plan and under the header 'Tree Protection Barriers'.
- These shall remain in place at all times except when authorised landscaping works are being undertaken. At such times, adequate ground protection measures shall be installed, and excavation shall be limited to that required for new planting. Furthermore, the project arborist shall be consulted prior to any works being undertaken in these zones.
- No construction activity or excavation shall occur unless agreed otherwise by the project arborist and local authority.
- No vehicles or plant machinery shall be driven or parked.
- No tree works other than those specified on this document shall be undertaken.
- No alterations of ground levels or conditions shall occur.
- No chemicals or cement washings permitted.
- No temporary structures shall be installed.
- No soil shall be permitted.
- No fires shall be permitted.
- All hazardous materials (including non-essential cement products) shall be forbidden.
- Removal of hard surfaces, structures or turf shall be done using hand operated tools only and supervised by the project arborist.

Tree Works Specification

The following table specifies the tree works which will be required prior to the commencement of construction activity:

Tree Reference	Action Required	Notes
T5, T6, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27, T28, T29, T30, T31, T32, T33, T34, T35, T36, T37, T38, T39, T40, T41, T42, T43, T44, T45, T46, T47, T48, T49, T50, T51, T52, T53, T54, T55, T56, T57, T58, T59, T60, T61, T62, T63, T64, T65, T66, T67, T68, T69, T70, T71, T72, T73, T74, T75, T76, T77, T78, T79, T80, T81, T82, T83, T84, T85, T86, T87, T88, T89, T90, T91, T92, T93, T94, T95, T96, T97, T98, T99, T100, T101, T102, T103, T104, T105, T106, T107, T108, T109, T110, T111, T112, T113, T114, T115, T116, T117, T118, T119, T120, T121, T122, T123, T124, T125, T126, T127, T128, T129, T130, T131, T132, T133, T134, T135, T136, T137, T138, T139, T140, T141, T142, T143, T144, T145, T146, T147, T148, T149, T150, T151, T152, T153, T154, T155, T156, T157, T158, T159, T160, T161, T162, T163, T164, T165, T166, T167, T168, T169, T170, T171, T172, T173, T174, T175, T176, T177, T178, T179, T180, T181, T182, T183, T184, T185, T186, T187, T188, 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Remove.	Stumps of trees within the RPAs of retained trees shall be removed with a stump grinder NOT a mechanical excavator.
T5, T6, T9, G4, and G2 and part of the dense copse	Firm canopy to create a clearance distance of 2m from the proposed dwellings.	Branches to be pruned back to a secondary branch junction or the branch collar wherever possible. Pruning to be kept to a minimum to achieve the desired clearance of 2m.
Part of the dense copse	Prune to create a clearance distance of 5m from the proposed dwellings in plot three, four and five.	Branches to be pruned back to a secondary branch junction or the branch collar wherever possible.

General Restrictions - Throughout the Site Continued

Restricted Activity Zone A

Within this zone, tree roots are likely to be present where access will be required to facilitate construction. The following restrictions shall apply:

- No vehicles or plant machinery shall park or operate unless a suitable load spreading surface is in place. The load spreading surface shall be installed and/or maintained as specified under the heading 'Ground Protection Measures'. This shall remain in place throughout the entire demolition and construction phase or until any new permanent hard surfacing is installed. Any pedestrian activity (other than very occasional) shall also require a suitable load spreading surface.
- Removal of existing structures such as walls, steps and hard surfaces (where applicable) shall be undertaken using hand tools or a mechanical excavator operated from outside the Restricted Activity Zone and carefully marshalled by the project arborist.
- No excavation shall occur in this zone without consulting the project arborist and obtaining approval from the local authority.
- Existing ground levels shall be retained undisturbed or raised by no more than 100mm. Ground levels may only be raised using granular topsoil (not rich in clay) or where new surfacing is proposed. No raising of ground levels whatsoever shall occur within 0.5m of any tree stem.
- No new permanent or temporary structures shall be erected other than those shown on the planning application documents unless approved by the local authority.
- Underground services shall not be installed in this area without prior consultation with the project arborist and a methodology agreed and approved by the local authority.
- If roots are encountered in excess of 25mm diameter, they shall be retained wherever possible and protected with damp sacking during times that they are unearthed. Any roots in excess of 20mm that need to be severed shall be pruned with secateurs.
- Storage of materials and spoil shall be avoided unless it has been agreed with the project arborist that the ground protection measures are adequate to ensure no soil compaction or contamination occurs. All hazardous materials (including non-essential cement products) shall be forbidden.
- No fires shall be permitted.

Site Hoarding

If site hoarding shall be installed over the Root Protection Area of any tree, the following restrictions shall apply:

- Ground levels shall be maintained as existing.
- Post holes shall not exceed 300mm x 300mm.
- No post hole shall be excavated within 1.5m of any tree stem.
- Post holes shall be excavated using hand tools or by a post-hole auger attached to plant machinery sited outside of Root Protection Areas.
- Roots in excess of 25mm shall be retained wherever possible.
- Roots in excess of 20mm shall be pruned with sharp secateurs.
- Pruning shall be minimal and only undertaken where absolutely necessary to facilitate the site hoarding. It shall be undertaken by a reputable tree surgeon working to BS 3998 (Zone 1).

Site hoarding may be installed in place of the specified tree protection measures subject to the approval of the local authority with regard to its location and specification.

Fence Posts or Decking Posts

If permanent fencing or decking is to be installed within Root Protection Areas, the following restrictions shall apply:

- All post holes shall be excavated by hand and kept as narrow as possible (maximum diameter 300mm).
- Exploratory post holes shall be dug before committing to post / panel positions. If any roots in excess of 25mm are encountered they are to remain intact and the post hole shall be relocated slightly. The fencing system must permit flexibility (i.e. where fixed panel widths are used, all post holes must be excavated before committing to the final location).
- Any roots in excess of 20mm which are severed shall be neatly pruned back with secateurs.
- This will encourage healing and reduce the likelihood of infection.

Walls shall be avoided over Root Protection Areas unless their foundations may be spanned over roots using a beam system. Hedges may be planted within Root Protection Areas using hand tools to minimise excavation.

Use of Heavy Plant

All machinery operatives are to be made aware of any Construction Exclusion Zones and Restricted Activity Zones that apply to this site. All machinery operatives are to respect these zones and ensure that no damage occurs to trees due to the careless use of machinery. Mechanical excavators should have tracks rather than wheels to help spread their load. They should be carefully marshalled when working close to tree canopies.

Scaffolding

If scaffolding is required in areas containing ground protection measures, the protective boards shall need to remain in situ and be strengthened and stabilised to bear the weight of scaffold poles. Prior to the installation of any scaffolding within 0.5m of any tree branches, the project arborist shall be consulted to specify any pruning works that may be required.

Timing of Operations

Activity within the site shall be phased according to the following chronology:

Order	Phase	Activity
1st.		Planning conditions relating to trees to be identified and discussed with the Project arborist and site manager.
2nd.		All specified tree removal and pruning to be undertaken (see Header - Tree Works Schedule).
3rd.	Pre-Construction Phase	Install the tree protection barriers (fencing and ground protection boards - see Headers - Tree Protection Barriers and Ground Protection Measures).
4th.		Pre-Commencement site meeting: Tree protection barriers inspected. Additional protection measures to be agreed. Variances to be agreed. Location of underground services to be agreed. Extents of excavation to be agreed. Scaffold restrictions to be agreed. Scope of future inspections / monitoring to be agreed.
5th.		Arboricultural Method Statement to be revised and approved if necessary.
Protection measures confirmed acceptable by the project arborist		
6th.	Demolition and Construction Phase	Remove existing surfaces where applicable.
7th.		Install new buildings, hard surfaces and services taking into account restricted activities as specified in this Arboricultural Method Statement.
8th.		Site meeting with project arborist. Landscaping restrictions to be agreed. Condition of retained trees to be assessed and mitigation agreed. Ground conditions to be assessed and ground remediation to be agreed.
9th.	Post-Construction Phase	Remove protective barriers (fencing and ground protection measures as applicable).
10th.		Undertake restricted landscaping operations within Root Protection Areas, including (where applicable) boundary treatments, pedestrian surfaces, decking and any proposed tree planting.

Personnel and Accountability

This table should be completed at the Pre-Start Meeting or earlier

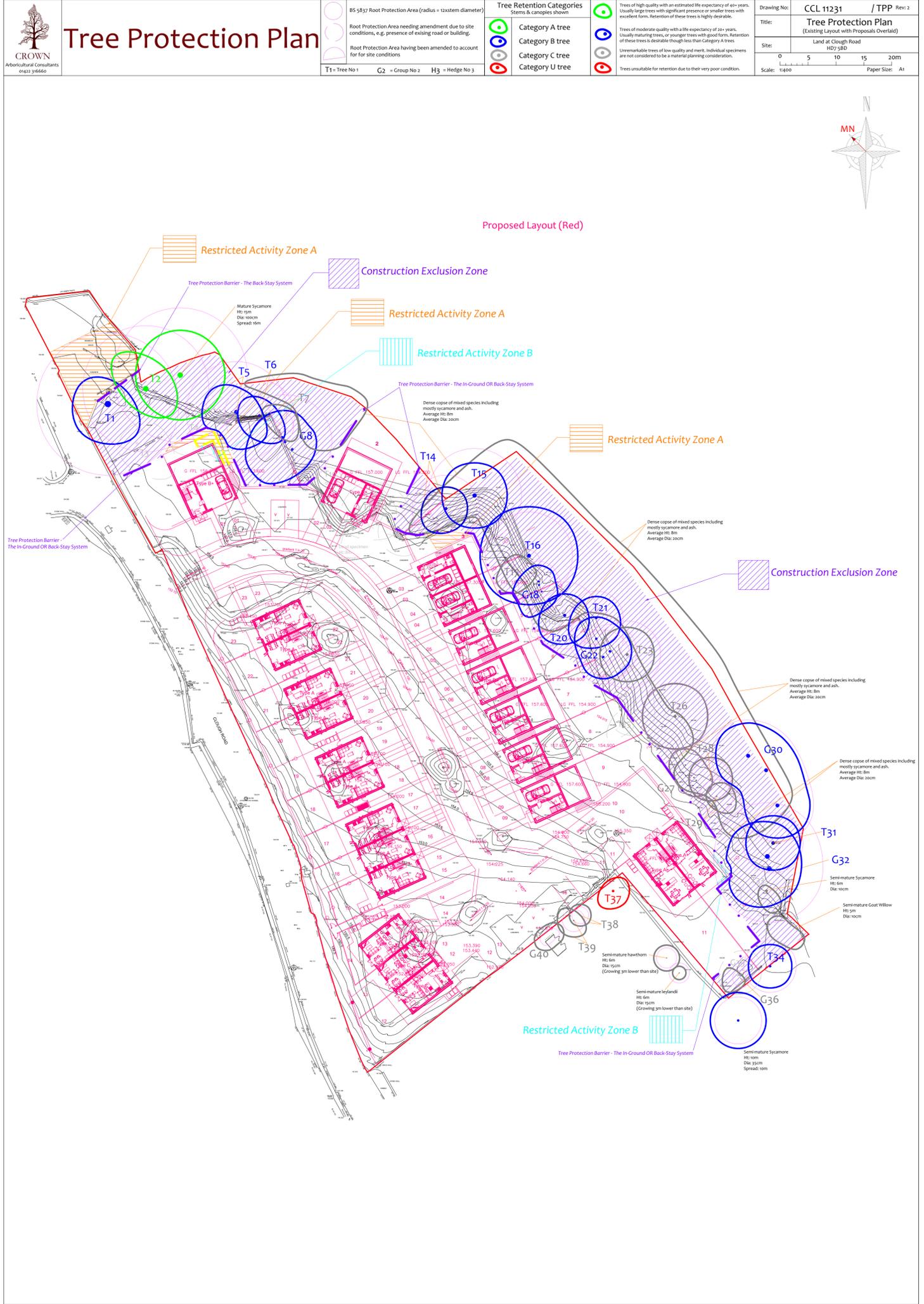
Position	Name	Contact Phone & email	Roles
Project Manager	Insert Details	Insert Details	Liaising with site manager & project arborist regarding any potential issues relating to trees. Scheduling of meeting, excavations and inspections. Overseeing this monitoring schedule. Instructing the project arborist and arranging access. Liaising with local authority regarding discharge of planning conditions and variances to the Arboricultural Method Statement.
Site Manager	Insert Details	Insert Details	Day to day monitoring of tree protection measures. Fortnightly supply of site photographs showing all tree protection measures. Induction of all contractors. Reporting to the Appointed Arborist of any incidents or potential variations to the agreed tree protection measures. Liaising with LPA Tree Officer over all arboricultural matters. Initial inspection and signing off of tree protection barriers including ground protection measures. Monthly site visits and inspections. Reporting to the local authority following site inspections and any variation or incidents.
Project Arborist	Crown Tree Consultancy	08000 14 13 30 0203 797 7449 Info@crowntrees.co.uk	Receipt of reports from the appointed arborist. Liaising with the appointed arborist to agree suitability of tree protection measures and any variations. Enforcement.
Local Authority	Kirklees Council	Nick Goddard 01616 414909 trees.planning@kirklees.gov.uk	Advice and assistance with the discharge of planning conditions relating to trees.
Additional Contact	Insert Details	Insert Details	Insert Details
Additional Contact	Insert Details	Insert Details	Insert Details

Site Monitoring Schedule

Inspection	Site Attendees	Comments
Pre-Start Desk-top To occur prior to any works taking place on the site.	N/A.	Project Manager and Site manager to study this Method Statement & contact the Project Arborist to agree all protection measures.
Pre-Start Meeting After tree works completed. A tree protection barriers / ground protection measures installed. Prior to any other activity, inc. demolition & soil stripping.	Site manager, project arborist, Tree Officer invited.	Tree protection fencing locations & specification checked. Ground protection measures checked. Contractors to be inducted to all relevant aspects of the Arboricultural Method Statement. Responsibilities checked and acknowledged. Adherence to the Arboricultural Method Statement to be discussed and agreed. Report on findings to be sent to the local authority tree officer (see accompanying reporting template)
Monthly Inspection and Reporting To occur once per calendar month throughout the entirety of the project until the local authority agree that tree protection measures may be removed	Site manager and project arborist.*	Tree protection fencing locations & specification checked. Ground protection measures checked. Past month, present and future month - activities and adherence to Arboricultural Method Statement discussed and checked. Report on findings to be sent to the local authority tree officer within 5 working days.
Overseeing Installation of Foundations in Restricted Activity Zones B. All excavation to be overseen.	Site manager and project arborist.*	Two week's notice to be given prior to commencement. Excavation to be as specified in this Method Statement. Roots to be retained or pruned as specified in this Method Statement. Activities to be recorded and photographed. Mitigation measures to be employed specified by the project arborist.
Post-Construction Meeting Post external construction activity but prior to removal of fencing & landscaping operations.	Site manager, project arborist, Tree Officer invited.	Retained trees inspected. Ground conditions assessed and mitigation measures agreed where appropriate. Further landscaping operations and restrictions to be agreed.

* Where agreed with the L.A. it may be acceptable to supply photographs of the fencing to avoid the necessity for a site visit.

Proposed Site Layout



Storage of Spoil and Materials
 Storage of materials and spoil shall be avoided in any Construction Exclusion Zones and Restricted Activity Zones unless it has been agreed with the project arborist that the ground protection measures are adequate to ensure no soil compaction or contamination occurs. All hazardous materials (including non-essential cement products) shall be forbidden.

Canopy Protection
 In order to protect tree canopies the following restrictions shall apply throughout the site:

- No machinery in excess of 2m shall pass beneath the canopy of any tree without being carefully marshalled in order to ensure that no branches are damaged.
- If materials require installation or delivery beneath tree canopies, this shall be done without the use of overhead cranes.
- If materials are to be installed or delivered close to tree canopies (but not beneath them) and a crane is required, they shall be carefully marshalled in order to ensure that branches are not accidentally damaged.

Fires
 No fires shall be permitted beneath any tree canopy or within 5m of any tree stem, branch or foliage. No fires shall be permitted within any Construction Exclusion Zone or Restricted Activity Zone. No fires shall be permitted in the vicinity of any exposed tree roots.

Preparatory Works
 No demolition, removal of surfaces, or soil stripping shall commence until the protective fencing and ground protection measures are installed to the satisfaction of the local authority.

Notices
 Suitable weather proof notices should be displayed to identify tree protection zones. They should state the purpose of the fencing and that it should not be moved, or traversed, other than by authorised personnel.

Tree Protection Barriers
 The purpose of tree protection barriers is to keep construction activity away from Restricted Activity Zones or Construction Exclusion Zones. They should be appropriate to the nature and proximity of activity within the site. The barriers should be erected prior to the commencement of all activity including demolition, soil stripping and delivery of materials and demolition (except where existing structures require demolition to enable the barriers to be installed). Barrier systems are specified below and should be installed according to the legend on the Tree Protection Plan.

The In-Ground System
 This system may be installed where indicated by a solid purple line on the Tree Protection Plan. It should be robust enough to withstand occasional knocks by plant machinery and, once installed, shall remain in place throughout the entire construction phase.

The Back-Stay System
 This system may be installed where indicated by a solid or dashed purple line on the Tree Protection Plan. It is more practical over existing hard surfaces or where the fencing needs to be moved to enable permitted activities within a Restricted Activity Zone. This system should be able to withstand occasional knocks by machinery and should not be relocated except with the consent of the site manager and the approval of the local authority.

Tree Works Specification
 The following table specifies the tree works which will be required prior to the commencement of construction activity:

Tree Reference	Action Required	Notes
T5, T6, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27, T28, T29, T30, T31, T32, T33, T34, T35, T36, T37, T38, T39, T40, T41, T42, T43, T44, T45, T46, T47, T48, T49, T50, T51, T52, T53,		