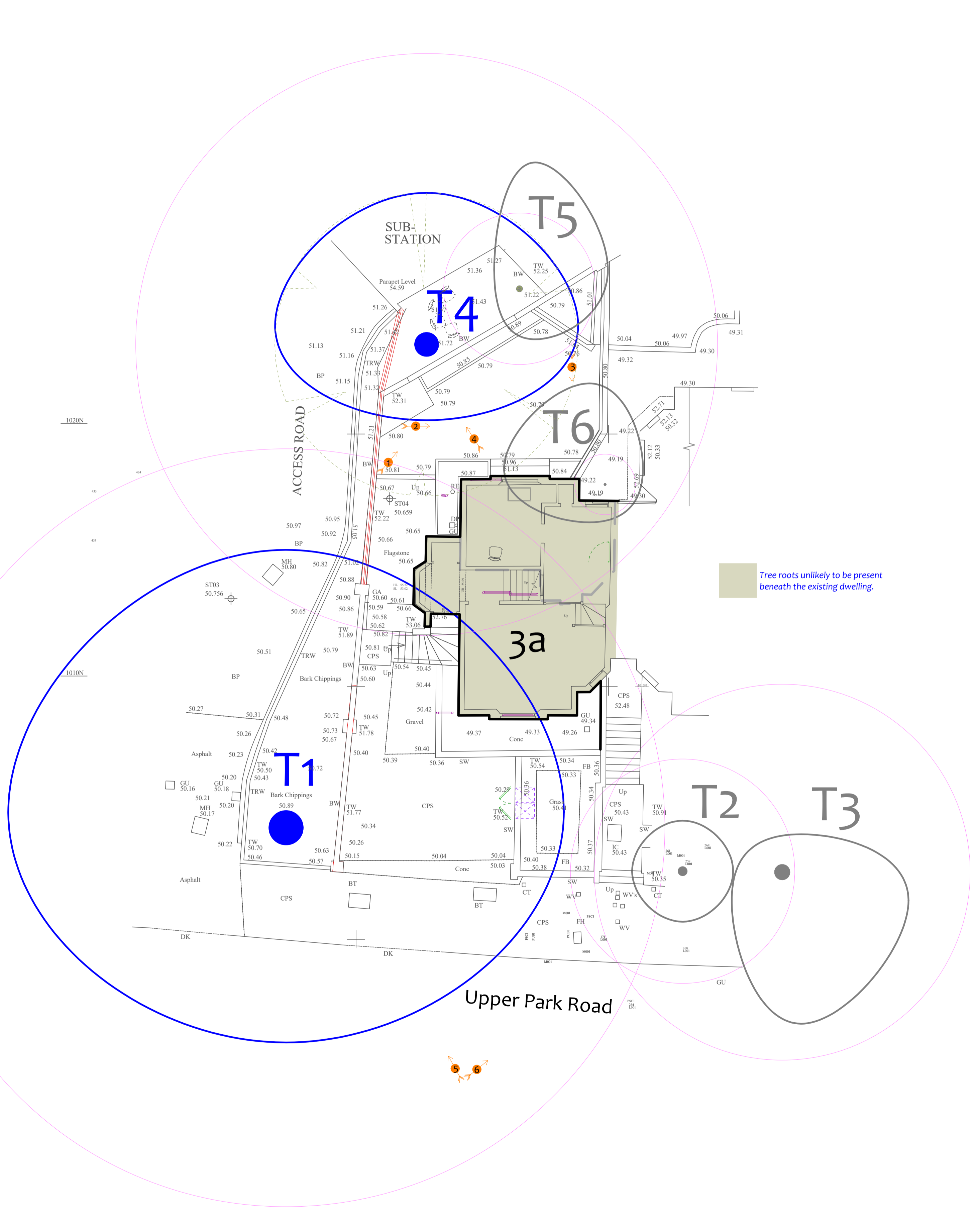


Tree Data Schedule

Reference Group or Tree ID	Age & Species	Height (m)	Crown Ht (m)		Crown Spread (m)	Scaled Tree Diagram (m)	Notes	Recommendations		Vigour	Assess Value	
			W	E				Priority	Inspect (Free (m))		Physiological Condition	Life Expectancy (yrs)
T1	Mature London Plane <i>Platanus x hispanica</i>	25	8	137	11 8.5		Position: Situated on third party land. Form: Multi-stemmed at 6m with a balanced crown. History: Managed by cyclical pollard. Occasional pruning wounds due to crown lifting (healing well). Defects: No significant defects observed.	No action required.	Moderate	Good	High	40+
T2	Semi-Mature Lime <i>Tilia sp.</i>	9.5	6	37	2 2		Position: Situated on third party land. Form: Multi-stemmed at 6m with a balanced crown. History: Managed by cyclical pollard. Occasional pruning wounds due to crown lifting (healing well). Defects: No significant defects observed.	No action required.	Moderate	Good	Low	40+
T3	Early-Mature Lime <i>Tilia sp.</i>	12	5	62	1.5 5		Position: Situated on third party land. Form: Triples-stemmed at 3m with an unbalanced crown & leaning. History: Managed by cyclical pollard. Occasional pruning wounds due to crown lifting (healing well). Defects: Poor unions where multi-stemmed. Other: Acceptable condition at present due to heavy reduction. Tree displacing boundary wall.	No action required.	Moderate	Good	Low	40+
T4	Mature Horse Chestnut <i>Aesculus hippocastanum</i>	16	3	96	6 3		Position: Currently situated on third party land, adjacent rear boundary. Form: Multi-stemmed at 3m with a balanced crown. History: Managed by cyclical pollard. Occasional pruning wounds due to crown lifting (healing well). Defects: No significant defects observed. Other: Retaining wall adjacent tree has collapsed in the past leaving roots exposed.	No action required.	Moderate	Good	Moderate	20-40
T5	Semi-Mature Pear <i>Pyrus sp.</i>	5	3	35	1 2		Position: Situated on third party land. Form: Single stemmed and leaning with an unbalanced crown. History: No evidence of significant pruning. Defects: Significant bark wounds to stem (acceptable condition at present).	Monitor.	Moderate	Fair	Low	20-40
T6	Semi-Mature Bay Laurel <i>Laurus nobilis</i>	5	1.5	10	4 1.5		Position: Situated on third party land. Form: Twin-stemmed at 3m with an unbalanced crown. History: No evidence of significant pruning. Defects: No significant defects. Other: Limited inspection, dimensions estimated.	No action required.	Moderate	Good	Low	40+

Photographs



Tree roots unlikely to be present beneath the existing dwelling.

Drawing No: CCL 11774 / TCP Rev 1  
 Title: Tree Constraints Plan (Existing Layout)  
 Site: 3a Upperpark Road NW3 3UN  
 Scale: 1:100 Paper Size: A1

**Tree Retention Categories**

- Category A tree
- Category B tree
- Category C tree
- Category U tree

**CROWN**  
 Arboricultural Consultants  
 01422 316660

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.

# Tree Constraints Plan

Status: Final

BS 5837 Root Protection Area (radius = 1x stem 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

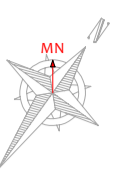
T1 = Tree No 1 G2 = Group No 2 H3 = Hedge No 3

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)	Root Protection Area	
			Radius (m)	Area (m <sup>2</sup> )
T1	London Plane	25	16.4	849
T2	Lime	9.5	4.4	62
T3	Lime	12	7.4	174
T4	Horse Chestnut	16	11.5	417
T5	Pear	5	3.0	28
T6	Bay Laurel	5	1.2	5





Areas where excavation is proposed for the basement.  
Proposed excavation depth = c. 4m

### Trench 2 Trial Excavation Results

Root No.	Diameter (mm)	Depth (mm)	Comments
R10	25	400	
R11	20	400	
R12	40	400	
R12A	20	320	Protrudes from R12
R13	20	300 - 650	
R14	25	200	
RC15	20, 30, 40	350 - 700	Root cluster Potentially requires severing.
R16	20	250	Potentially requires severing.
R17	60	700	Potentially requires severing.
R18	30	850	Potentially requires severing.

Roots likely require severing to facilitate the proposed basement:  
RC15 (20mm, 30mm & 40mm dia), R16 (20mm dia),  
R17 (60mm dia), R18 (30mm dia).

Upper Ground Floor Foundations  
It is proposed to install a shallow raft/beam supported on screw piles.  
Screw piles to be positioned to avoid any tree roots >25mm diameter encountered.  
Raft/beam excavation should not exceed 200mm.

Basement Excavation.  
Proposed excavation depth = c. 4m.

### Trench 1 Trial Excavation Results

Root No.	Diameter (mm)	Depth (mm)	Comments
R1	40	1270	Likely requires severing.
R2	40	1400	Likely requires severing.
R3	240	760	
R4	45	870	Potentially requires severing.
RC5	25, 30, 60	107	Root cluster. Potentially requires severing.
R6	35	700	Branches off into a cluster of <25mm roots. Potentially requires severing.
R7	150	680	A 30mm root protrudes from R7.
R8	50	370 - 750	
R9	50	1040	

Roots likely require severing to facilitate the proposed basement:  
R1 (40mm dia), R2 (40mm dia), R4 (45mm dia), RC5 (25, 30 & 60mm dia)  
and R6 (35mm dia).

Lower Ground Floor  
Excavation depth required: c. 1.2m

### Trench 1 Trial Excavation Results

Root No.	Diameter (mm)	Depth (mm)	Comments
R1	40	1270	
R2	40	1400	Requires severing.
R3	240	760	Likely requires severing.
R4	45	870	
RC5	25, 30, 60	107	Root cluster. Requires severing.
R6	35	700	Branches off into a cluster of <25mm roots.
R7	150	680	A 30mm root protrudes from R7.
R8	50	370 - 750	
R9	50	1040	

R4 and R6 require severing to facilitate the proposed lower ground floor.  
RC5 is also likely to require severing; however, these roots already likely require severing to facilitate the basement excavations.

Existing boundary wall to be replaced.  
If the existing foundation needs replacing, excavation should not exceed the depth of the existing foundations. Wall to be demolished in a direction away from T1.

Proposed Basement Layout (Dashed Blue)  
Proposed Lower Ground Floor Layout (Pink)  
Proposed Upper Ground Floor Layout (Light Blue)

The overall height of the proposed extension is 6.4m.  
The canopy of T1 begins at circa 8m above ground level.  
Consequently, no canopy pruning is required to facilitate the proposed extension.

New Refuse Store.  
Excavation should not exceed a depth of 350mm and only hand tools should be used for the excavation to ensure impact is kept to a minimum.

New Attenuation Tank.  
Excavation required to a depth of 450mm and only hand tools should be used for the excavation to ensure impact is kept to a minimum.

Canopy of T6 to be pruned back to the boundary to provide clearance for construction.  
Bay trees are fairly tolerant of pruning and such pruning is unlikely to have a detrimental impact.

Any garden walls to be constructed for raised planters should be excavated using hand tools only.  
If any tree roots are encountered with a diameter greater than 25mm, a shallow beam should be incorporated into the design to span over any tree roots.

Basement Excavation.  
Proposed excavation depth = c. 2.5m.  
It is imperative that the large root (R3) remains unharmed, if it is encountered.  
Excavation in this area is to be overseen by the project arborist.

Trial Trench Excavations were undertaken at the end of April 2024.  
A member of Crown Tree Consultancy attended site at the beginning of May 2024 to record the findings of the excavations.  
The diameter of the roots were measured, and their depth below ground level recorded. Two trenches were excavated; Trench 1 at the front of the property, and Trench 2 at the rear of the property.  
Trench locations, and the roots encountered are shown on this drawing.

Roots which likely require severing which emanate from T1 include:  
R1, R2, R4, RC5 and R6.

Roots which likely require severing which emanate from T4 include:  
R10, R11, R12, R12A, R14, RC15, R16, R17 and R18.

Both trees have been managed by pollarding in the past, meaning that they likely require less rooting volume than their theoretical RPAs suggest (the RPAs shown are based on their stem diameter).

It is recommended that the trees are continually managed by cyclical pollarding.  
Post construction soil amelioration is recommended to mitigate impact.



Tree Retention Categories  
Stems & canopies shown  
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.

# 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  
T1 = Tree No 1 C2 = Group No 2 H3 = Hedge No 3

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 to be removed to facilitate the proposal  
Tree to be removed due to its low quality  
Proposed pruning

Tree Ref.	Species	Height (m)	Radius (m)	Area (m <sup>2</sup> )	Volume (m <sup>3</sup> )
T1	London Plane	25	16.4	849	29.1
T2	Lime	9.5	4.4	62	7.9
T3	Lime	12	7.4	174	13.2
T4	Horse Chestnut	16	11.5	417	20.4
T5	Pear	5	3.0	28	5.3
T6	Bay Laurel	5	1.2	5	2.1



### Tree Protection Barriers

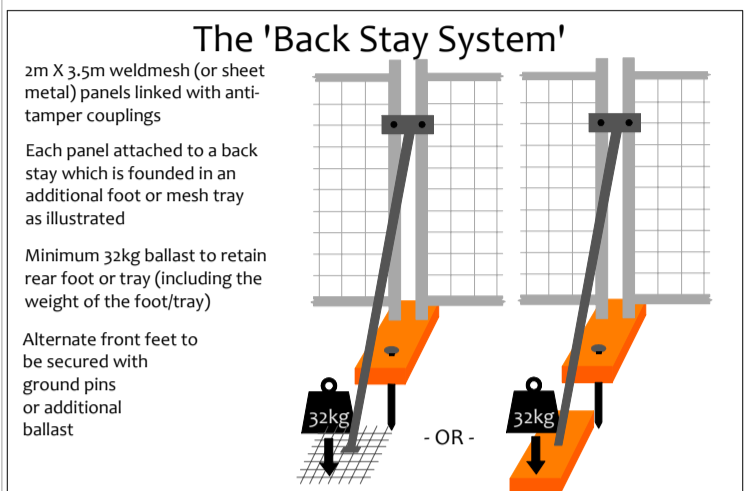
The purpose of tree protection barriers is to keep construction activity away from Restricted Activity Zones or Construction Exclusion Zones. They must be appropriate to the nature and proximity of activity within the site. The barriers must be erected prior to the commencement of all activity including 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 are to be installed according to the legend on the Tree Protection Plan.

### The Back-Stay System

This system will be installed where indicated by a 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 is able to withstand occasional knocks by machinery and must not be relocated except with the consent of the site manager and the approval of the local authority.

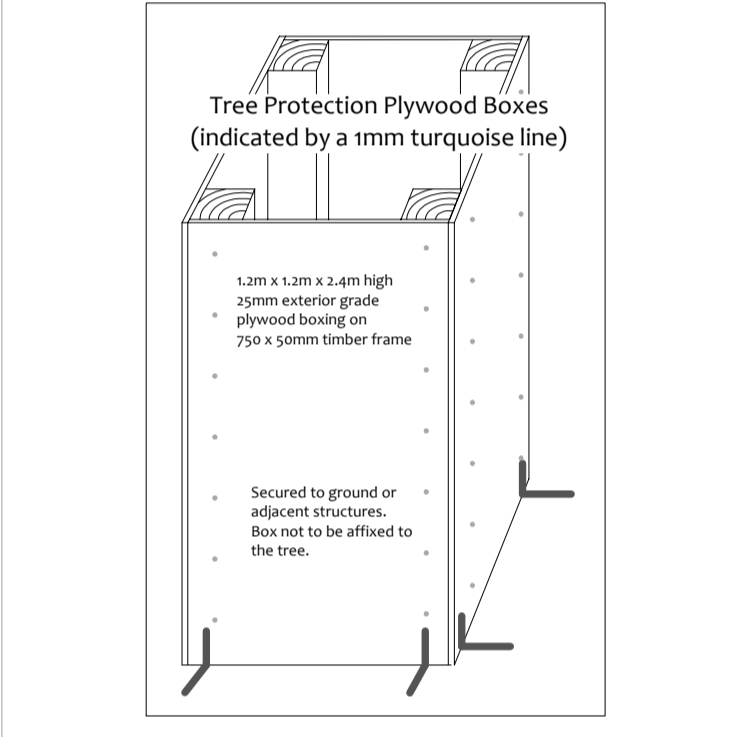
Within this system, weldmesh fencing panels (minimum height 3m) are affixed into rubber or concrete feet and clipped together with anti-tamper couplers. Two couplers should be used, spaced at least 1m apart. Alternate panels will be attached to a diagonal back stay connected to an additional foot or baseplate secured with ground pins or additional ballast. Where ground pins are not used, the total weight of the footplate plus ballast must total no less than 33kg.

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



### Stem Protection – Timber Boxing

Where indicated by a turquoise square on the Tree Protection Plan, robust plywood boxing will be installed around the stem of T1. The plywood boxing specification is indicated in the diagram below. The actual size of the plywood boxing will be determined by the extent of the root flare at the base of the stem. The box shall be large enough to avoid contact with any part of the tree or its surrounds. No fixings shall be attached to any part of the tree. Instead, it shall be free standing or attached to the ground or adjacent structures (e.g. adjacent walls or fences).



### Restrictions in Specific Zones

#### Restricted Activity Zone A

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

- No vehicles or plant machinery will park or operate unless a suitable load spreading surface is in place. The load spreading surface will be installed and/or maintained as specified under the heading **Ground Protection Measures**. This will remain in place throughout the entire demolition and construction phase or until any new permanent hard surfacing is installed. Any pedestrian activity will also require a suitable load-spreading surface.
- Removal of existing structures such as walls, steps and hard surfaces (where applicable) will be undertaken using hand tools only. The existing boundary wall adjacent T1 will be carefully demolished and pulled in a direction away from T1.
- When replacing the existing western boundary wall, no excavation will occur beyond the depth of the existing foundations. If foundations require replacing, all tree roots in excess of 25mm will be retained.
- Excavation for the proposed refuse store will be undertaken using hand tools only. Excavation will not exceed a depth of 50mm.
- Excavation for the proposed underground attenuation tank will not exceed a depth of 450mm and will be excavated using hand tools only.
- Excavation for the surface channel will not exceed a depth of 100mm, without prior consultation with the project arborist and a methodology agreed and approved by the local authority. Excavation to be undertaken using hand tools only.
- The existing driveway is to be replaced with permeable surfacing and stone storage. No excavation will occur beyond the removal of the existing surface.
- Any gardeners paths to be installed will be constructed on a shallow pile and beam type foundation. Excavation will be undertaken using hand tools, and any tree roots with a diameter over 25mm will be retained intact and spinned over.
- Excavation for timber patio post holes shall be undertaken using hand tools only and will be positioned to avoid tree roots in excess of 25mm diameter. A void will be maintained between the underside of the decking and the ground to maintain rooting conditions. See further restrictions under the heading: **New Decking Posts**.
- No further changes to ground levels will occur.
- No further excavation will occur in this zone.
- No new permanent or temporary structures will be erected other than those shown on the planning application documents unless approved by the local authority.
- If roots are encountered in excess of 25mm diameter, they will be retained wherever possible and protected with damp sacking during times that they are unearthed. Any roots in excess of 25mm that need to be removed will be secured with secateurs.
- Storage of materials and spoil will be avoided in these areas 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) will be forbidden.
- No fires will be permitted.

#### Restricted Activity Zone B

Within this zone it is proposed to excavate for the basement. Either contiguous piling (or sheet piling) shall be installed along the edge of the basement, or an alternative method shall be adopted which does not disturb soils beyond the footprint of the basement (e.g. piling). The specific method adopted will vary between contractors. However, the following restrictions will apply and must be adhered to:

- No excavation or ground disturbance will occur beyond the footprint of the basement.
- Where an excavator is used, it should operate from within the footprint of the basement, or from a suitable load-spreading surface.
- The excavator or piling rig shall be marshalled to ensure no contact is made with any tree canopy.
- Any piling mat required shall need to be installed entirely above ground. If this requires additional stabilisation, using screw piles for example, trial excavation shall be undertaken in the presence of the project arborist to determine where such piles may be located to avoid all significant roots (i.e. roots over 25mm in diameter).
- In the case of piling, the project arborist shall oversee the initial 1m of excavation and shall ensure that any roots encountered are neatly grouted.

#### Restricted Activity Zone C

Within this zone it is proposed to excavate for the lower ground floor to a depth of 1.2m. The following restrictions will apply:

- No excavation or ground disturbance will occur beyond the footprint of the lower ground floor.
- The appointed arborist will oversee the initial excavation, to a minimum depth of 100mm along the edge of the proposed footprint, which should be undertaken using hand tools only.
- Any root severance that is required will be undertaken by the arborist present, who will use clean, sharp tools.
- If an excavator is required for the remainder of the excavation, it will operate from a suitable load-spreading surface. The excavator will also be marshalled to ensure no contact is made with any tree canopy.

#### Restricted Activity Zone D

In this zone, excavation is required for the upper ground floor. A section of the existing boundary wall is to be demolished and replaced with the outer-facing wall of the extension. The following restrictions will apply:

- No excavation will occur beyond the depth of the existing wall foundation.
- The new extension is to be constructed on a shallow raft/beam foundation.
- Excavation for the raft/beam will not exceed a depth of 200mm.
- Excavation and removal of any existing surfaces will be undertaken using hand tools.
- The raft/beam will be supported on screw piles. Before installing the screw piles, their approximate location will be decided, and the upper soils will be probed to ensure there are no significant tree roots directly beneath the surface.

### Notices

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

### Removal of Tree Protection Barriers

Removal of protective fencing or ground protection measures will only 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 will be reinforced or replaced with adequate ground protection measures.

Unless specified otherwise, ground protection will consist of 25mm OSB boards laid at double thickness and screwed together to prevent slippage. The ground will be made even by raking, and by adding a 100mm of sand or woodchip, wherever vehicular access is proposed. Where only pedestrian traffic will occur, boards or planks may be laid directly onto the ground.

Where engineers consider OSB boards to be inadequate (e.g. for large plant machinery) sturdier ground protection measures will be installed such as road plates, or 100mm of 7-40mm angular gravel installed in 3D cellular confinement system (e.g. CelveeTM).

If a piling mat is required, specifications will be agreed between engineers and the project arborist.

The ground protection measures will be installed and approved before commencement of demolition and construction activity and before the arrival of plant machinery or materials. They will remain in place until all heavy construction activity is complete.

### Construction Exclusion Zones

Within Construction Exclusion Zones the following restrictions apply:

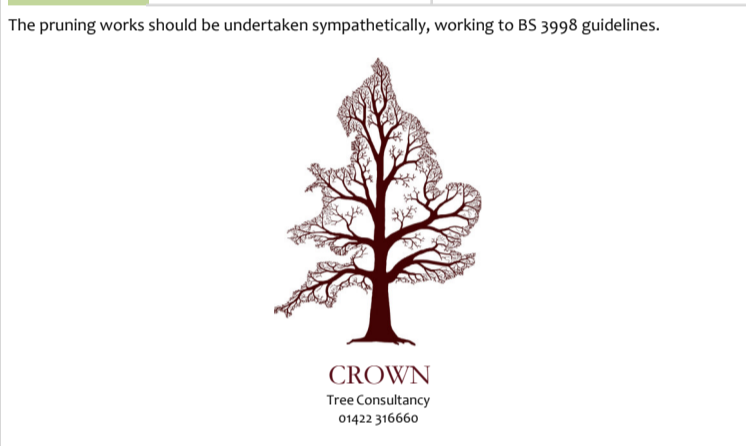
- Tree Protection Barriers will be erected and maintained throughout the entire project as indicated on the Tree Protection Plan and under the header - Tree Protection Barriers.
- These will remain in place at all times until all construction works is complete. The tree protection measures at the rear of the site will only be removed to enable landscaping works and installation of the proposed timber decking. At such times, ground protection measures will be installed, and excavation shall be limited to that required for new timber post holes.
- No other construction activity or excavation will occur unless agreed otherwise by the project arborist and local authority.
- No vehicles or plant machinery will be driven or parked.
- No tree works, other than those specified on this document will be undertaken.
- No alterations of ground levels or conditions will occur.
- No chemicals or cement washings will be permitted.
- No temporary structures will be installed.
- No spoil will be stored.
- No fires will be permitted.
- All hazardous materials (including non-essential cement products) are forbidden.

### 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
T6	Prune canopy back to the boundary.	Branches to be pruned back to a suitable branch junction or the branch collar wherever possible.

The pruning works should be undertaken sympathetically, working to BS 3998 guidelines.



### General Restrictions

#### Preparatory Works

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

#### Fires

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

#### Canopy Protection

In order to protect tree canopies the following restrictions will apply throughout the site:

- No machinery in excess of 2m will 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 will 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 will be carefully marshalled in order to ensure that branches are not accidentally damaged.

#### Storage of Spoil and Materials

Storage of materials and spoil will 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) will be forbidden.

#### Hazardous Materials

Any mixing of cement based materials will take place outside the Construction Exclusion Zones and Restricted Activity Zones. Where cement is to be mixed at considerable distances from trees and water run-off cannot enter Root Protection Areas, then no further special measures are required. Otherwise, provision will be made to ensure that the mixing area is contained so that no water run-off enters the Root Protection Area of any trees (see diagram for example). Mixers and barrows will be cleaned within this area.

All other chemicals hazardous to tree health, including petrol and diesel, will be stored in suitable containers as specified by current COSHH Regulations, and kept away from Root Protection Areas.

#### Underground Services

Except for those detailed under Restricted Activity Zone A, no further underground services will be installed in any part of the Construction Exclusion Zones or Restricted Activity Zones, unless done so in a manner detailed in a specific Method Statement and approved by the local authority.

#### Site Hoarding

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

- Ground levels will be maintained as existing.
- Post holes will not exceed 300mm x 300mm.
- No post hole will be excavated within 1.0m of any tree stem.
- Post holes will 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 will be retained wherever possible.
- Roots in excess of 25mm will be pruned with sharp secateurs.
- Pruning will be minimal and only undertaken where absolutely necessary to facilitate the site hoarding. It will be undertaken by a reputable tree surgeon working to BS 3998 (2010).

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.

#### Siting of Cabins

Cabins will be sited outside of Construction Exclusion Zones and Restricted Activity Zones unless agreed otherwise by the project arborist. Where this is being considered, the project arborist will be consulted, and specific tree protection measures agreed. The following general restrictions will apply:

- All services to and from site cabins will be installed above ground through any Root Protection Areas.
- No excavation will be undertaken within Root Protection Areas to enable cabins to be installed.
- The cabins will be founded on a suitable load spreading surface.

#### New Decking Posts

Where new decking is to be installed within Root Protection Areas, the following restrictions will apply:

- All post holes will be excavated by hand and kept as narrow as possible (maximum diameter 300mm).
- Exploratory post holes will 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 will be relocated slightly. The fencing system must permit such 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 25mm which are severed will be neatly pruned back with secateurs. This shall encourage healing and reduce the likelihood of infection.

### Timing of Operations

Activity within the site shall be planned 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 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. Boundary treatments 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).
<b>Protection measures confirmed acceptable by the Local Authority</b>		
6th.	Demolition and Construction Phase	Demolish existing structures and 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 / soil amelioration 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, new timber decking and any proposed tree planting.

### Site Monitoring Schedule

Inspection	Site Attendees	Comments
<b>Pre-Start Desk top</b> 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 clarify all protection measures.
<b>Pre-Start Meeting</b> After tree works completed & tree protection barriers / ground protection measures installed and prior to any other activity, i.e. demolition & soil stripping.	Project Manager, Site Manager, Project Arborist, relevant contractor, Tree Officer invited.	Tree protection fencing locations & specification checked. Ground protection measures checked. Contractor 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 provided by the Project Arborist and sent to the local authority free officer by the project manager.
<b>Monthly Inspection and Reporting</b> 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. Post reports, present and future needs - activities and adherence to Arboricultural Method Statement discussed and checked. Report on findings to be provided by the Project Arborist and sent to the local authority by the Project Manager.
<b>Overseeing Basement Excavations in Restricted Activity Zone B.</b> Excavations to be overseen by the project arborist.	Site Manager and Project Arborist.	Two weeks' 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. Mitigation measures to be employed specified by the project arborist. Activities to be recorded and photographed. Report on findings to be provided by the Project Arborist and sent to the local authority by the Project Manager.
<b>Overseeing Excavations in Restricted Activity Zones C and D.</b> Initial Excavation to be overseen by the project arborist.	Site Manager and Project Arborist.	Two weeks' notice to be given prior to commencement. Excavation to be as specified in this Method Statement. Mitigation measures to be employed specified by the project arborist. Activities to be recorded and photographed. Report on findings to be provided by the Project Arborist and sent to the local authority by the Project Manager.
<b>Any other ground disturbance in Restricted Zones A and Construction Exclusion Zones</b> including demolition, soil stripping, removal of hard surfaces, excavation for new surfacing, foundations, service trenches etc.	Site Manager, Project Arborist.	Two weeks' notice to be given prior to commencement. Excavation to be as specified in this Method Statement. Mitigation measures to be employed specified by the project arborist. Activities to be recorded and photographed. Report on findings to be provided by the Project Arborist and sent to the local authority by the Project Manager.
<b>Post-Construction Meeting</b> 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.

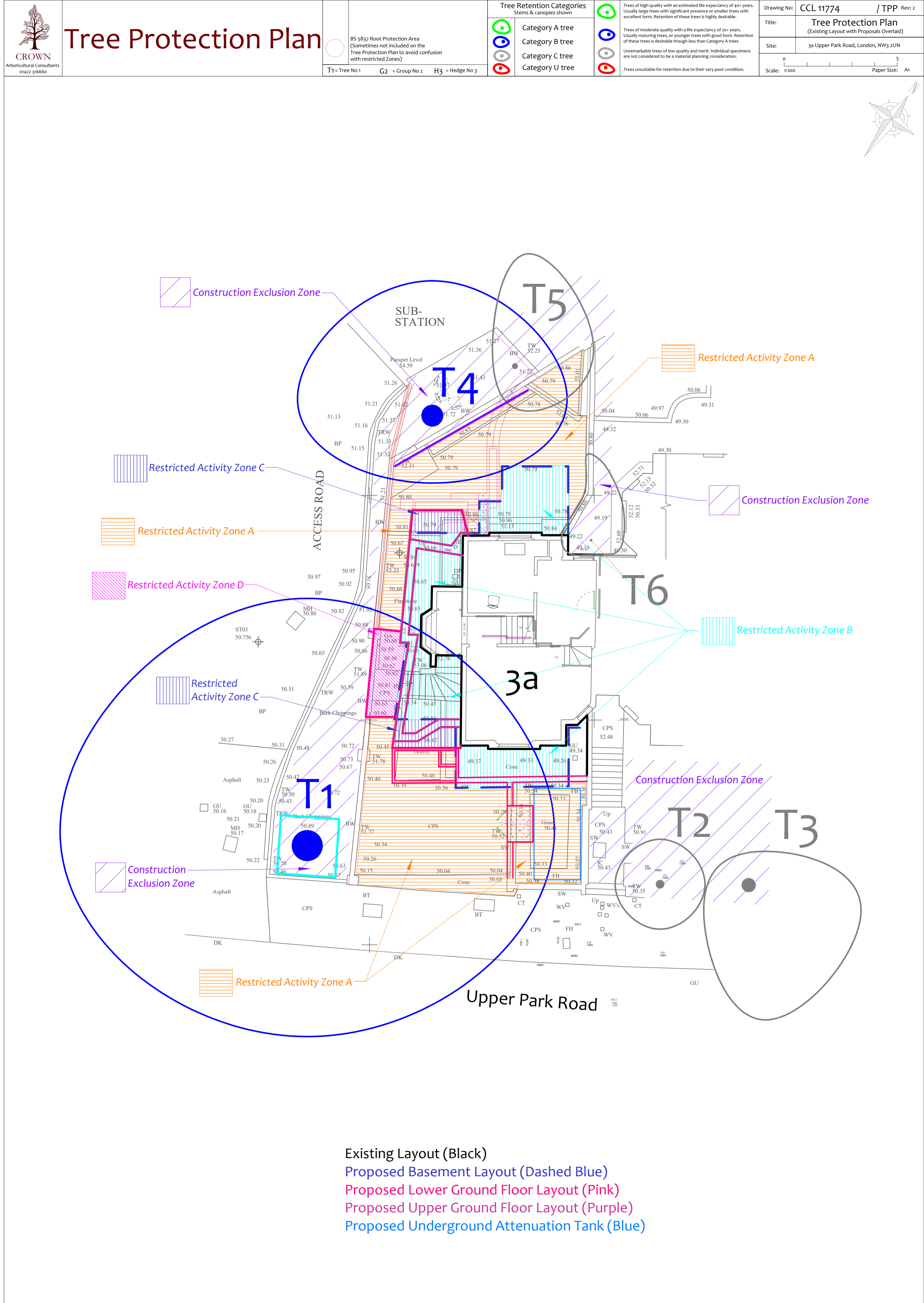
### Personnel and Accountability

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

Position	Name	Contact Phone & email	Roles
<b>Project Manager</b>	TBC at Pre-Start Meeting	Insert Details	Liaising with site manager & project arborist regarding any potential issues relating to trees (including pre-start clarification of the Arboricultural Method Statement). Scheduling of meetings, excavations and inspections (including project arborist and local authority tree officer where applicable). 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. Reporting to the local authority following site inspections and any variation or incidents.
<b>Site Manager</b>	TBC at Pre-Start Meeting	Insert Details	Day to day monitoring of tree protection measures. Induction of all contractors. Reporting to the Project Manager and the Appointed Arborist of any incidents or potential variations to the agreed tree protection measures.
<b>Project Arborist</b>	Crown Tree Consultancy 08000 14 13 30 0203 797 7449 info@crowntrees.co.uk		Liaising with LPA Tree Officer over technical arboricultural matters. Upon instruction the arborist shall inspect the tree protection barriers including ground protection measures and produce a short report for the project manager to submit. Upon instruction the arborist shall attend any specified site visits and inspections and produce a short report for the project manager to submit.
<b>Additional Contact</b>	Insert Details	Insert Details	Insert Details

### Tree Data Schedule

Reference	Age & Species	Height (m)	Crown Spread (m)	W	N	E	S	Notes	Recommendations	How	Priority	Health	Phylogenetic	Special	Arborist	Value	Life	Category
T1	London Plane Platanus x hispanica.	25	8	13	11	11	11	Position: Situated on third party land. Multi-stemmed at stem with a balanced crown. Managed by cyclic pollard. Occasional pruning wounds due to crown lifting (treating well). Defects: No significant defects observed.	No action required.	Moderate	Good	High	Good		40+	B+		
T2	Lime Tilia sp.	9.5	6	3	3	3	3	Position: Situated on third party land. Multi-stemmed at stem with a balanced crown. Managed by cyclic pollard. Occasional pruning wounds due to crown lifting (treating well). Defects: No significant defects observed.	No action required.	Moderate	Good	Low	Good		40+	C		
T3	Lime Tilia sp.	12	5	4	5	5	5	Position: Situated on third party land. Currently situated on third party land, adjacent near boundary. Multi-stemmed at stem with a balanced crown. Managed by cyclic pollard. Occasional pruning wounds due to crown lifting (treating well). Defects: Poor values where multi-stemmed. Acceptable condition at present due to heavy reduction. Tree displaying boundary wall.	No action required.	Moderate	Good	Fair	Fair		40+	C		
T4	Horse Chestnut Aesculus hippocastanum.	16	3	9	6	3	3	Position: Currently situated on third party land, adjacent near boundary. Multi-stemmed at stem with a balanced crown. Managed by cyclic pollard. Occasional pruning wounds due to crown lifting (treating well). Defects: No significant defects observed. Retaining wall adjacent tree has collapsed in the past leaving roots exposed.	No action required.	Moderate	Good	Fair	Fair		20-40	B		
T5	Pear Pyrus sp.	5	3	2	3	3	3	Position: Situated on third party land. Single stemmed and leaning with an unbalanced crown. No evidence of significant pruning. Defects: Significant bark wounds to stem (acceptable condition at present).	Monitor.	Moderate	Fair	Low	Fair		20-40	C		
T6	Bay Laurel Laurus nobilis.	5	1.5	1.0	1.0	1.0	1.0	Position: Situated on third party land. Multi-stemmed at stem with an unbalanced crown. No evidence of significant pruning. Defects: Limited inspection, dimensions estimated.	No action required.	Moderate	Good	Low	Good		40+	C		



Existing Layout (Black)  
Proposed Basement Layout (Dashed Blue)  
Proposed Lower Ground Floor Layout (Pink)  
Proposed Upper Ground Floor Layout (Purple)  
Proposed Underground Attenuation Tank (Blue)