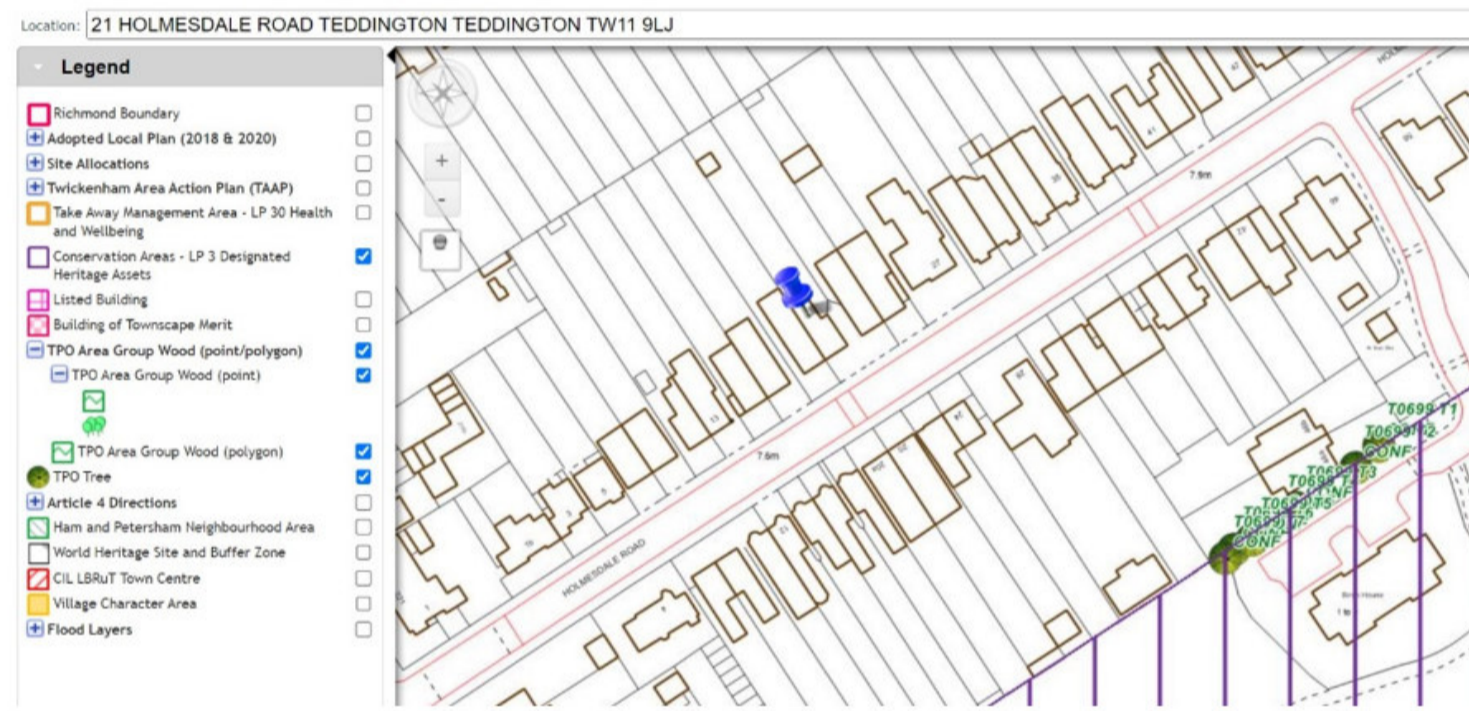


### Tree Data Schedule

Reference G-Group (if applicable)	Age & Species	Height (m)	Crown Spread (m)		Scaled Tree Diagram (m)	Notes	Recommendations (Independent of any development proposals)	View Priority (Free (m))	Physiological Condition	Structural Condition	Annuity Value Life Expectancy (m)	Retention Category
			W	E								
T1	Mature Ash <i>Fraxinus excelsior</i>	17	5	7.5		Position: Situated on third party land. Form: Triple-stemmed at 2m with a balanced crown. History: Multiple pruning wounds due to crown lifting. Defects: No significant defects observed. Other: Limited inspection, dimensions estimated. Cable braces installed at circa 10m above ground level.	No action required.	n/a	3	Good	Moderate	40+ B
G2	Early-Mature Sycamore <i>Acer pseudoplatanus</i>	15	5	4.5		Position: Situated on third party land. Form: Three close growing specimens. History: Multiple pruning wounds due to crown lifting on the south side. Defects: Minor-significant dead wood scattered throughout canopies. Other: Limited inspection, dimensions estimated.	No action required.	n/a	3	Fair	Moderate	20-40 B-
T3	Early-Mature Horse Chestnut <i>Aesculus hippocastanum</i>	15	4	6.5		Position: Situated on third party land. Form: Twigs stemmed at 1m with a slightly unbalanced crown. History: Occasional pruning wounds due to crown lifting. Defects: No significant defects observed. Other: Cable brace is installed. Limited inspection, dimensions estimated.	No action required.	n/a	3	Good	Moderate	40+ B
T4	Early-Mature Sycamore <i>Acer pseudoplatanus</i>	14	3	6.6		Position: Situated on third party land. Form: Multi-stemmed at ground level with a slightly unbalanced crown. History: No evidence of significant pruning. Defects: Minor-significant dead wood scattered throughout. Other: Limited inspection, dimensions estimated. Recorded stem diameter is equivalent for three stems (30cm, 30cm, 30cm).	No action required.	n/a	3	Fair	Moderate	40+ B
T5	Early-Mature Cherry <i>Prunus sp.</i>	4	2	2.9		Form: Multi-stemmed at 1.5m with a balanced crown. History: No evidence of significant pruning. Defects: No significant defects.	No action required.	n/a	3	Good	Low	40+ C
T6	Semi-Mature Holly Oak <i>Quercus ilex</i>	10	2	5.0		Position: Situated on third party land. Form: Twigs stemmed at ground level with a balanced crown. History: No evidence of significant pruning. Defects: No significant defects. Other: Limited inspection, dimensions estimated. Recorded stem diameter is equivalent for two stems (30cm, 40cm).	No action required.	n/a	3	Good	Moderate	40+ B
T7	Semi-Mature Cherry <i>Prunus sp.</i>	6.5	2	2.1		Position: Street tree. Form: Single stemmed and vertical with a balanced crown. History: No evidence of significant pruning. Defects: No significant defects.	No action required.	n/a	3	Good	High	40+ B

### Statutory Protection

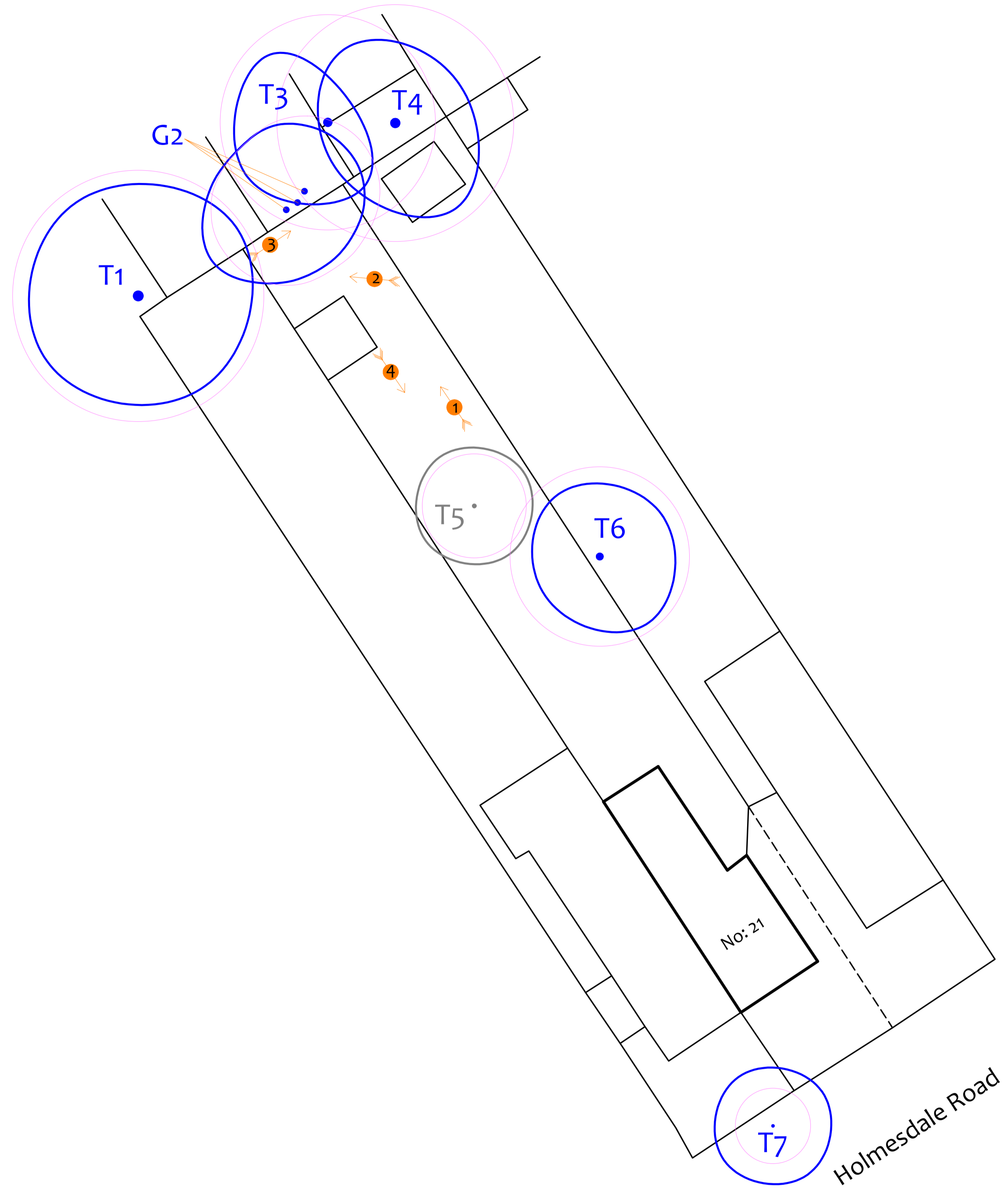
On the 27<sup>th</sup> March 2024, we accessed the local authority website. A screenshot is produced below:



This indicates that:

- The site is not within a conservation area.
- There are no tree preservation orders affecting trees within the site.
- There are no tree preservation orders immediately adjacent to the site.

### Photographs



## Tree Constraints Plan

Status: Final

Drawing No: CCL 11813 / TCP Rev: 1  
 Title: Tree Constraints Plan (Existing Layout)  
 Site: 21 Holmesdale Road TW11 9LJ  
 Scale: 1:2000 Paper Size: A1



**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 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.

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

Photo 1

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 (sq. m)
T1	Ash	17	8.4	222
G2	Sycamore	15	5.0	80
T3	Horse Chestnut	15	7.2	163
T4	Sycamore	14	7.9	197
T5	Cherry	4	3.5	38
T6	Holly Oak	10	6.0	113
T7	Cherry	6.5	2.5	20

# Excerpts from the Arboricultural Impact Assessment

## Overview

It is proposed to construct a new outbuilding as indicated on the drawings in Appendix 6. The existing layout is indicated in black, the footprint of the proposed layout is indicated in pink.

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

Activity	Trees Potentially Affected
Tree Removal	None
Tree Pruning	None
RPA Outbuilding Foundations	G2, T3 and T4
RPA Other Foundations	None
RPA New Hard Surface	None
RPA Replace Existing Hard Surface	None
RPA Underground Services	None
RPA Change of Ground Levels	None
RPA Soil Compaction	Trees adjacent the construction area (reversible 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.

## Tree Removal

All trees are to be retained.

## Impact on Tree Canopies

The canopies of G2 overhang the rear boundary of the property and begin at circa 5m above ground level. The proposed ridge height of the outbuilding is 3m above ground level.

Consequently, the tree canopies are considered to be sufficiently high such that they should not be impacted by construction activity or installation of the outbuilding. Consequently, no pruning works are required to enable the outbuilding.

## Impact on Tree Roots

**Outbuilding Foundations:**  
The foundations for the new outbuilding will extend into the theoretical Root Protection Areas of G2, T3 and T4. The outbuilding is to be constructed on a ground bearing raft/slab which is to be supported on helical screw piles.

Less than 0.5% of the Root Protection Areas of T3 and T4 shall be affected (see the Impact Assessment Plan). Such a tiny encroachment into their Root Protection Areas is so minor that the potential impact is considered to be negligible. Approximately 5% of the RPAs of G2 shall be affected. Such an incursion is considered to be within tolerable limits; however, the following mitigation is proposed to ensure impact is kept to the minimum amount possible:

- No excavation is required to facilitate the raft/slab.
- Before installing the helical screw piles, the upper soils shall first be probed/loosened using hand tools, such as a garden fork, to assess whether any tree roots are present where the piles are proposed.
- If any tree roots are encountered, the pile location will be adjusted slightly, and the tree root(s) will remain intact.

It is considered that this sympathetic foundations type shall ensure no long-term detrimental impact on the health of the neighbouring trees.

## New Surfaces:

No new surfaces are proposed within the Root Protection Areas of any trees.

## Underground Services:

We understand that the proposal requires no underground services to be installed within Root Protection Areas. Underground services are to be installed between the existing shed and the proposed outbuilding.

## Changes in Ground Levels:

No changes to ground levels are proposed over Root Protection Areas.

## Soil Compaction:

The majority of tree roots lie within the upper soil horizons. This is because the availability of oxygen decreases with depth, and roots need to be able to stay alive. In addition, nutrients are more readily available in the form of organic matter close to the soil surface.

Healthy soils contain about 25% air space between solid particles. Increased loading of the soil caused by construction activity causes air to be squeezed out as the soil becomes compacted, preventing roots from breathing. Even an increase in pedestrian activity may cause some soil compaction.

It is important therefore that ground compaction and soil disturbance over Root Protection Areas should be avoided during the construction phase. This may be done by installing protective fencing and ground protection measures.

## Demolition Activities

No demolition is proposed close to trees.

## Summary

The proposal seeks to retain all of the vegetation surveyed.

No pruning works are required to enable the proposal.

Foundations are proposed within the Root Protection Area of several trees. However, the small extent of RPA affected coupled with the sympathetic foundation design shall ensure no detrimental impact on trees.

No new hard surfacing is proposed in Root Protection Areas.

No new underground services are proposed within Root Protection Areas.

No changes to existing ground levels are proposed.

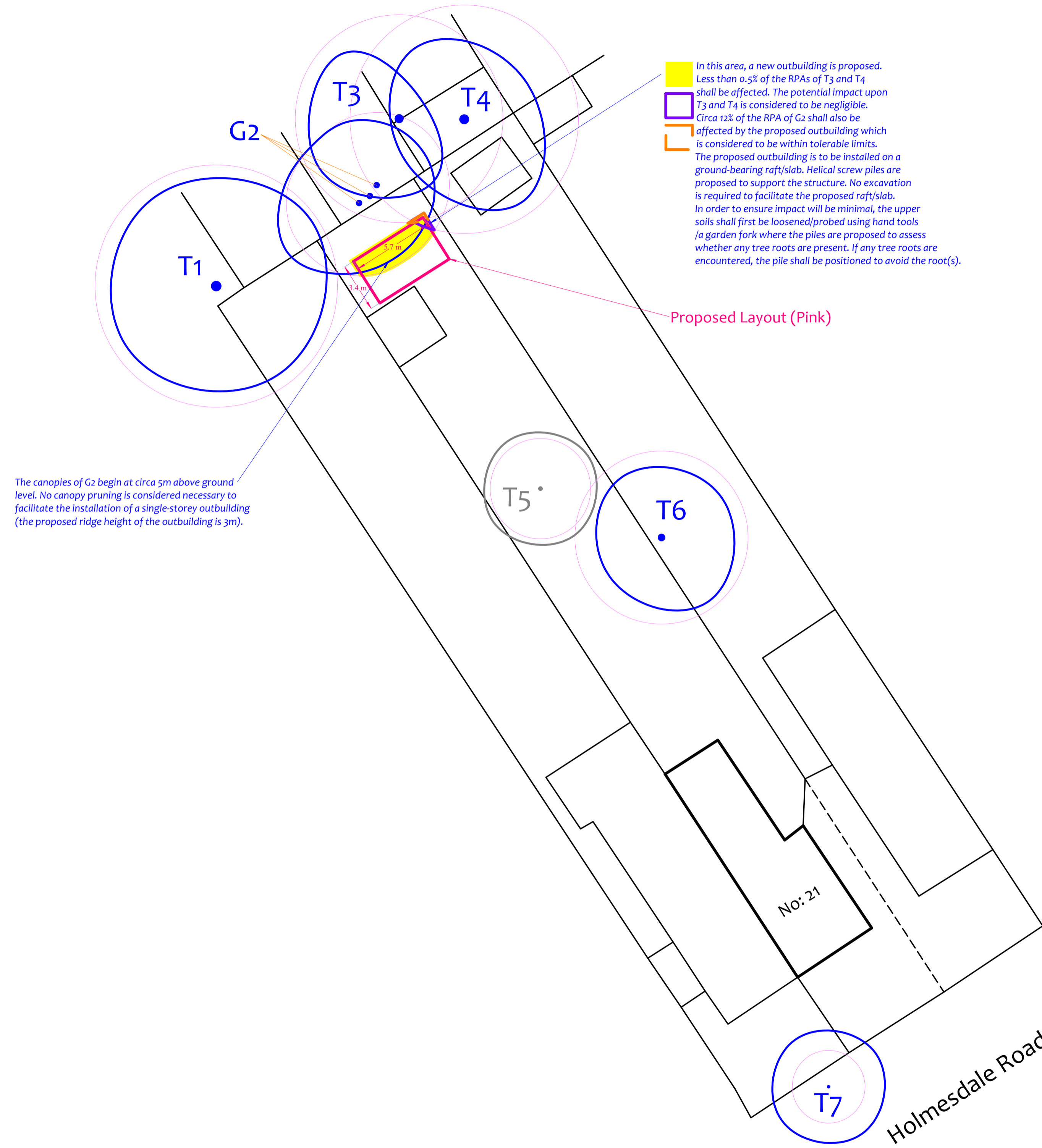
Adequate space has been allowed between the proposal and all trees such that no future pressure to over-prune or remove trees shall occur as a consequence of the outbuilding.

So long as suitable protection measures are implemented during demolition and construction stages, I see no arboricultural reasons why the proposal should not proceed.

## Arboricultural Method Statement

BS 5837 recommends that a detailed methodology is agreed in the form of an Arboricultural Method Statement, which shall ensure that trees are well protected during the construction phase. This should detail all tree protection measures and limitations on construction activity. All of the issues raised within this Impact Assessment should be covered by the Method Statement.

See Section 6  
for a more  
detailed assessment



In this area, a new outbuilding is proposed. Less than 0.5% of the RPAs of T3 and T4 shall be affected. The potential impact upon T3 and T4 is considered to be negligible. Circa 12% of the RPA of G2 shall also be affected by the proposed outbuilding which is considered to be within tolerable limits. The proposed outbuilding is to be installed on a ground-bearing raft/slab. Helical screw piles are proposed to support the structure. No excavation is required to facilitate the proposed raft/slab. In order to ensure impact will be minimal, the upper soils shall first be loosened/probed using hand tools /a garden fork where the piles are proposed to assess whether any tree roots are present. If any tree roots are encountered, the pile shall be positioned to avoid the root(s).

Proposed Layout (Pink)

The canopies of G2 begin at circa 5m above ground level. No canopy pruning is considered necessary to facilitate the installation of a single-storey outbuilding (the proposed ridge height of the outbuilding is 3m).



Drawing No: CCL 11813 / IAP Rev: 1

Title: Impact Assessment Plan

Site: 21 Holmesdale Road TW19 9LJ

Scale: 1:200 Paper Size: A1



## Tree Retention Categories

Stems & canopies shown

Category A tree

Category B tree

Category C tree

Category U tree

Tree 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.

Tree 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

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

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.

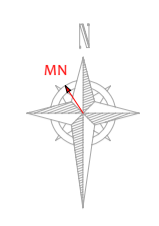
Often more accurate, especially where rows of trees are not aligned N/S or E/W.

Tree Ref.	Species	Height (m)	Root Protection Area	
			Radius (m)	Area (sq. m)
T1	Ash	17	8.4	222
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Tree to be removed to facilitate the proposal

Tree to be removed due to its low quality

Proposed pruning

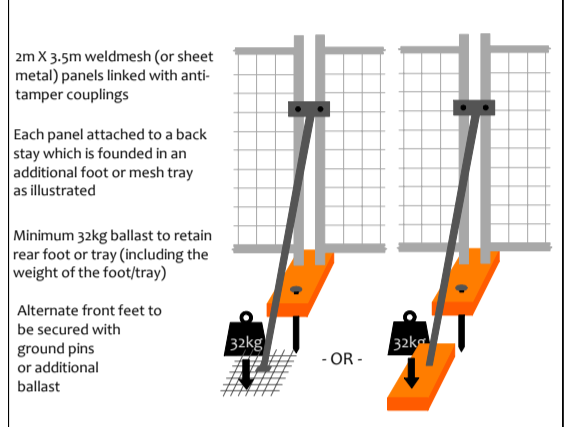


# Tree Protection Plan

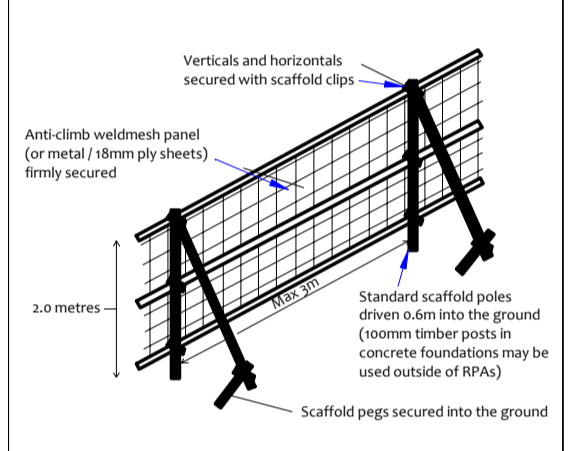
## Tree Protection Barriers:

	Fixed protective barrier: The 'In-Ground System' or the 'Backstay System'. To remain in place for all construction activity		Construction Exclusion Zone Stem protected to a height of 2.5m with thick cloth & wire Tree Protection Boring 1.2 x 1.2 x 2.4m high 25mm plywood
	Moveable protective barrier: The 'Backstay System'. To remain in place except when approved works are being undertaken in the Restricted Zone		Orange Barrier Mesh Fencing, 1.8m, on steel fencing posts and wooden posts To remain in place throughout all construction activity

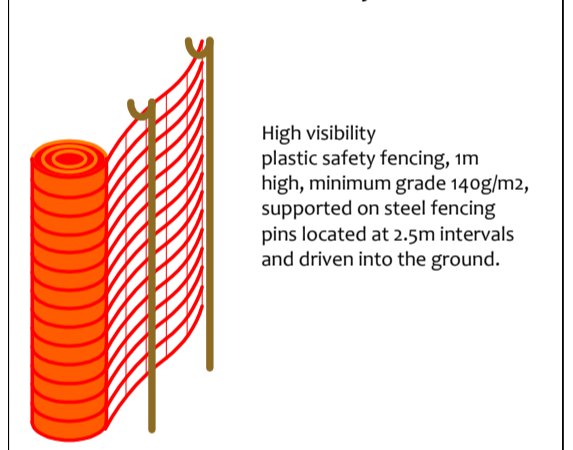
## The 'Back Stay System'



## The 'In-Ground' System



## The Barrier Mesh System

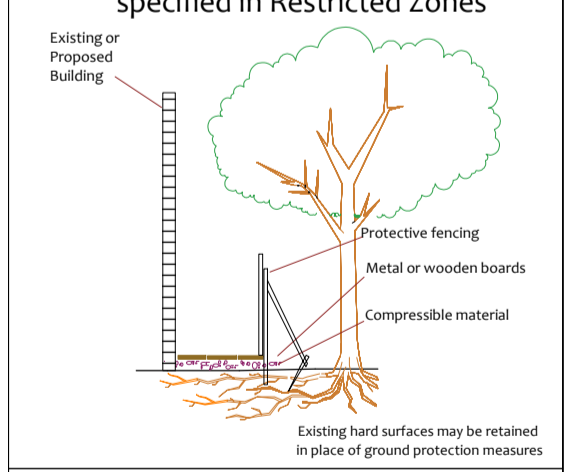


## Construction Exclusion Zone

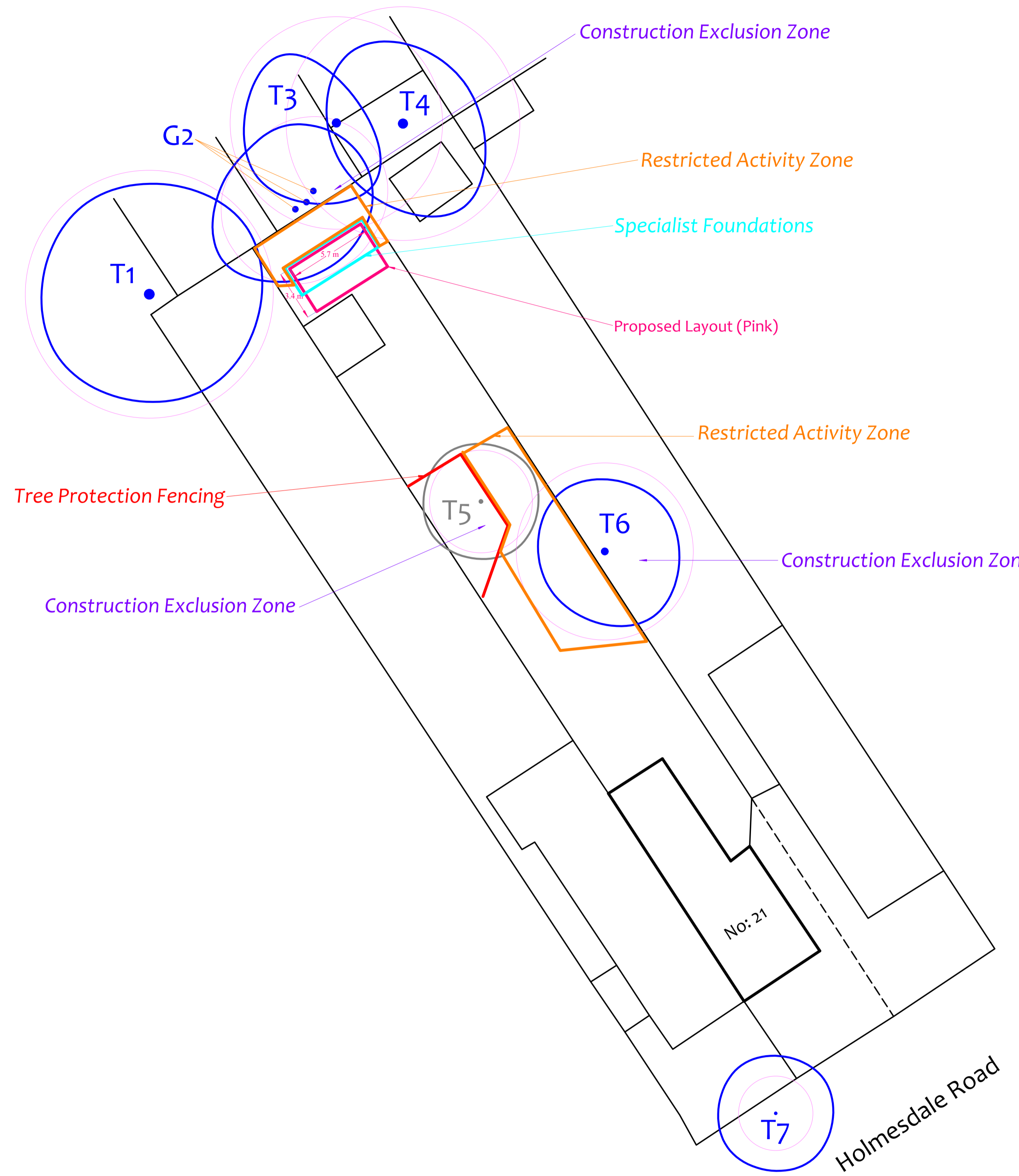
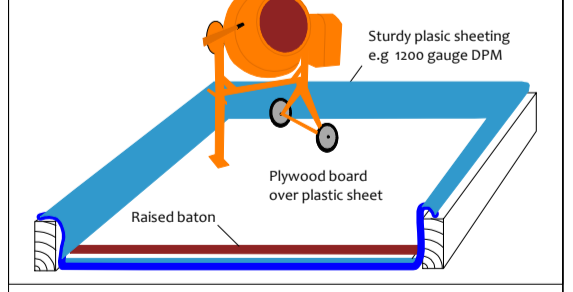
Within this area the following restrictions shall apply:

- No excavation or land regrading whatsoever.
- No storage of materials, rubble, soil or spoil.
- No fires within the exclusion zone or within 5m of any tree canopy.
- No site cabins or other temporary structures.
- No discharge of polluted water, cement or chemicals of any kind.
- No use of any machinery, or passage or parking of vehicles.
- No tree works without council consent.

## Ground Protection where specified in Restricted Zones



## Dedicated Mixing and Cleaning Area



Drawing No:	CCL 11813 / TPP Rev 1
Title:	Tree Protection Plan (Existing Layout with Proposals Overlaid)
Site:	21 Holmesdale Road TW19 9LJ
Scale:	1:2000
Paper Size:	A1



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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 Protection Plan

	B5 S37 Root Protection Area (radius = 1xstem diameter)
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