



Photo 1

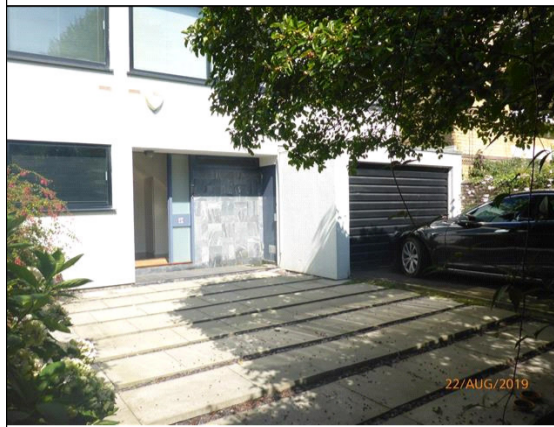


Photo 2



Photo 3

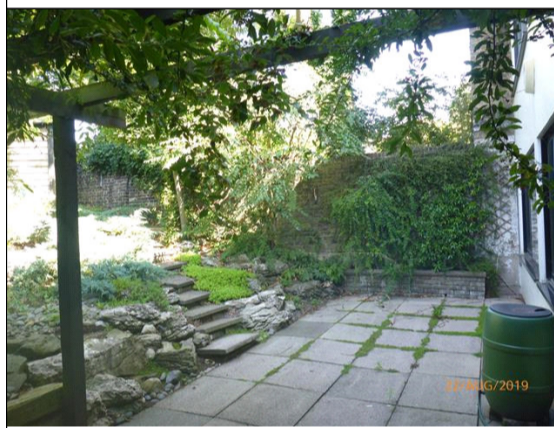


Photo 4



Photo 5

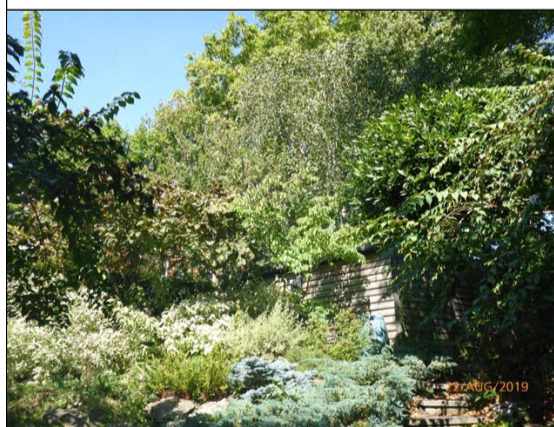


Photo 6

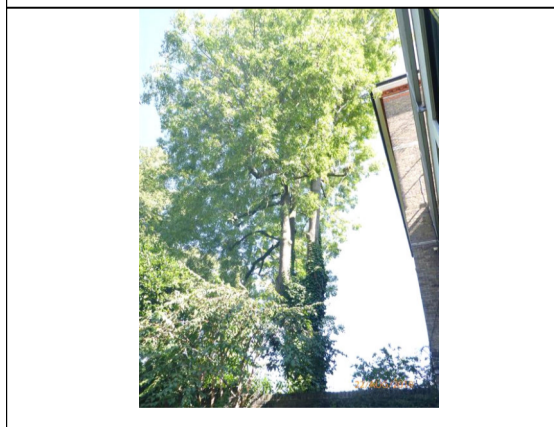


Photo 7

Drawing No: CCL 10395 / TCP Rev: 1
 Title: Tree Constraints Plan (Existing Layout)
 Site: 40 Orman Road NW3 4QB
 Scale: 1:100 Paper Size: A1



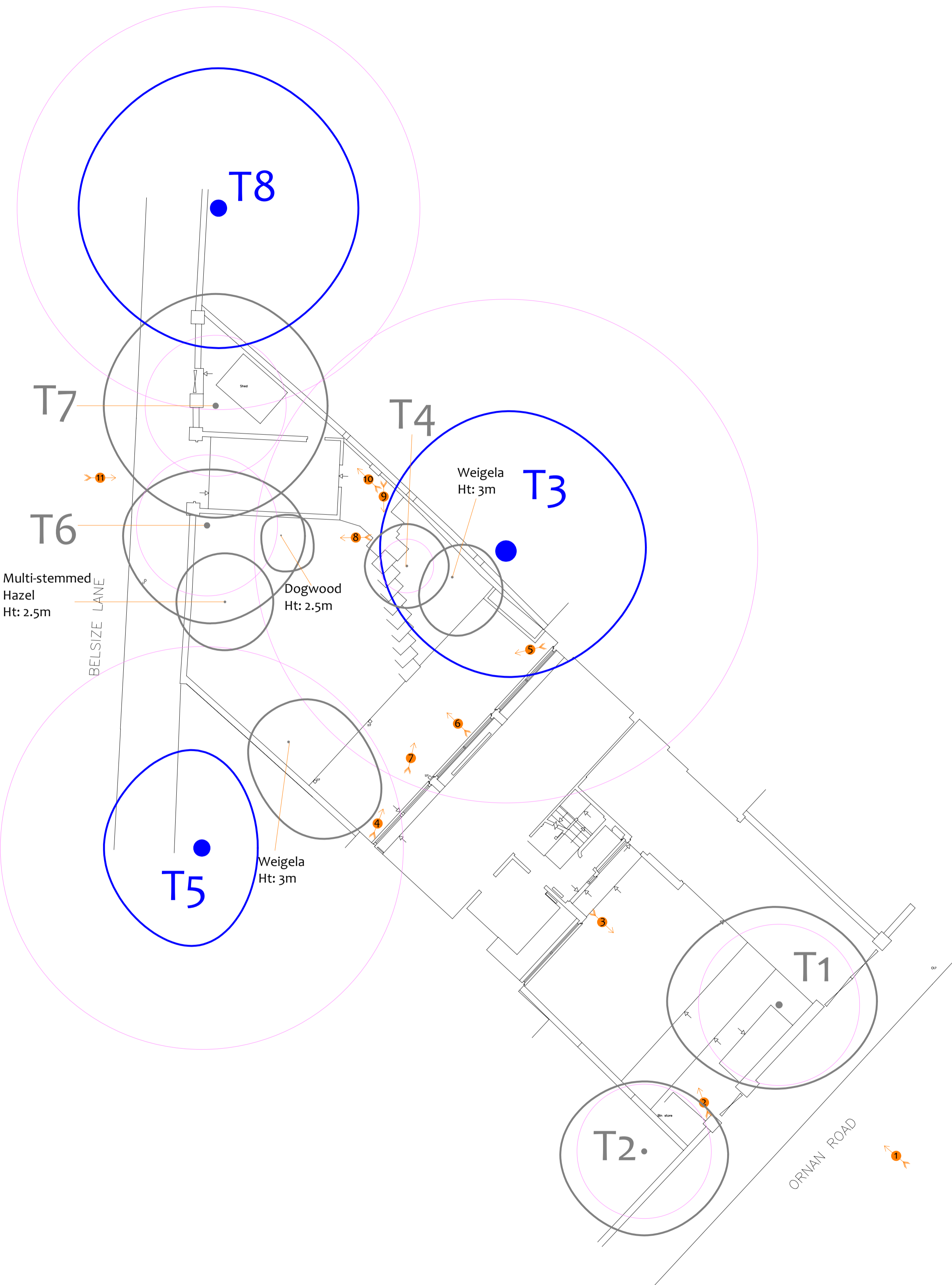
Tree Retention Categories	
Stems & canopies shown	
	Category A tree
	Category B tree
	Category C tree
	Category U tree

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.

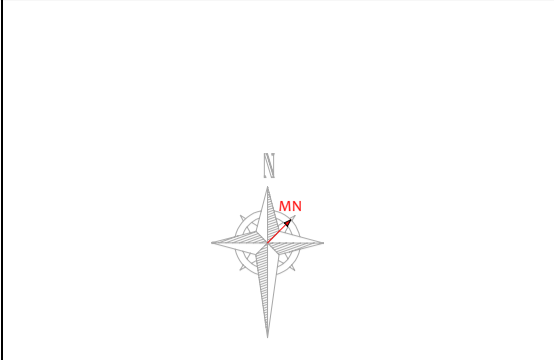


Tree Constraints Plan

	B5 s837 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

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 Constraints Plan

(Existing Layout)



Photo 8



Photo 9

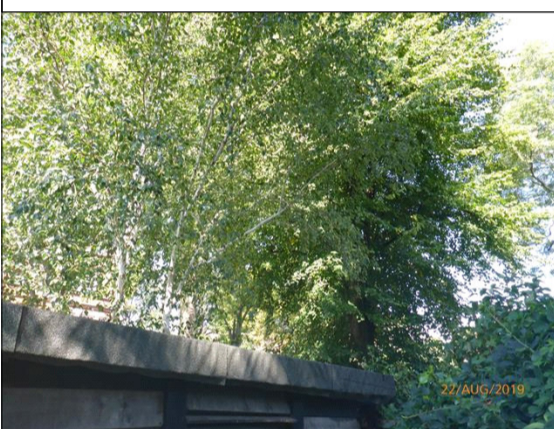


Photo 10

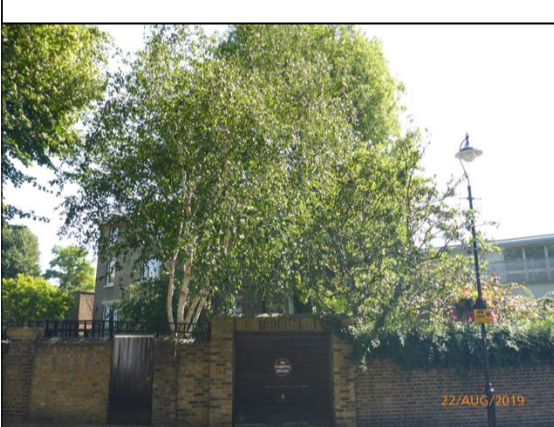
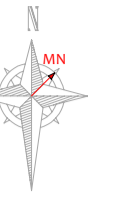


Photo 11

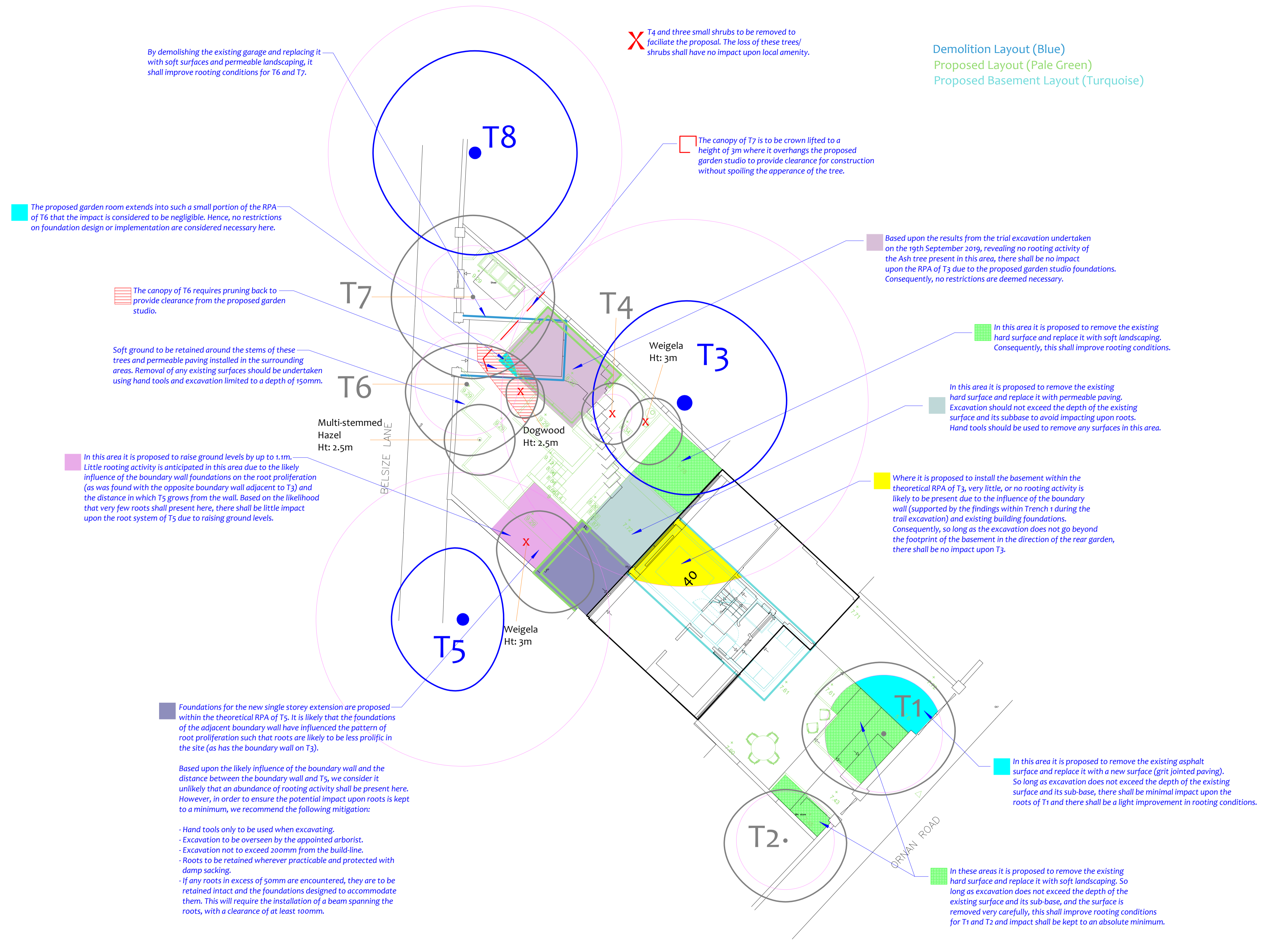
See the accompanying report for more photographs

Tree Ref.	Species	Height (m)	Root Protection Area		
			Radius (m)	Area (m ²)	
T1	Cocksbur Thorn	4	2.9	26	5.1
T2	Cocksbur Thorn	3.5	2.4	18	4.3
T3	Ash	15	9.0	254	16.0
T4	Bay Laurel	3	1.0	3	1.7
T5	Ash	10	7.2	163	12.8
T6	Apple	3	2.5	20	4.5
T7	Himalayan Birch	6	2.5	20	4.5
T8	Lime	12	7.2	163	12.8



Impact Assessment Plan

(Existing Layout with Proposals Overlaid)



- Hand tools only to be used when excavating.
- Excavation to be overseen by the appointed arborist.
- Excavation not to exceed 200mm from the build-line.
- Roots to be retained wherever practicable and protected with damp sacking.
- If any roots in excess of 50mm are encountered, they are to be retained intact and the foundations designed to accommodate them. This will require the installation of a beam spanning the roots, with a clearance of at least 100mm.

The proposed garden room extends into such a small portion of the RPA of T6 that the impact is considered to be negligible. Hence, no restrictions on foundation design or implementation are considered necessary here.

The canopy of T6 requires pruning back to provide clearance from the proposed garden studio.

Soft ground to be retained around the stems of these trees and permeable paving installed in the surrounding areas. Removal of any existing surfaces should be undertaken using hand tools and excavation limited to a depth of 150mm.

In this area it is proposed to raise ground levels by up to 1.1m. Little rooting activity is anticipated in this area due to the likely influence of the boundary wall foundations on the root proliferation (as was found with the opposite boundary wall adjacent to T3) and the distance in which T5 grows from the wall. Based on the likelihood that very few roots shall present here, there shall be little impact upon the root system of T5 due to raising ground levels.

Foundations for the new single storey extension are proposed within the theoretical RPA of T5. It is likely that the foundations of the adjacent boundary wall have influenced the pattern of root proliferation such that roots are likely to be less prolific in the site (as has the boundary wall on T3).

Based upon the likely influence of the boundary wall and the distance between the boundary wall and T5, we consider it unlikely that an abundance of rooting activity shall be present here. However, in order to ensure the potential impact upon roots is kept to a minimum, we recommend the following mitigation:

Drawing No:	CCL 10395 / IAP Rev: 1
Title:	Impact Assessment Plan (Existing Layout with Proposals Overlaid)
Site:	40 Orman Road NW3 4QB
Scale:	1:100
Paper Size:	A1



Tree Retention Categories	
Stems & canopies shown	Category
	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.

Impact Assessment Plan

(Existing Layout with Proposals Overlaid)

	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)	Square (m ²)	
T1	Cockspur Thorn	4	2.9	26	5.1
T2	Cockspur Thorn	3.5	2.4	18	4.3
T3	Ash	15	9.0	254	16.0
T4	Bay Laurel	3	1.0	3	1.7
T5	Ash	10	7.2	163	12.8
T6	Apple	3	2.5	20	4.5
T7	Himalayan Birch	6	2.5	20	4.5
T8	Lime	12	7.2	163	12.8

Breif Description:

Trail excavation carried out on Thursday 19th September 2019.
Attendees: Emma Hoyle from Crown Tree Consultancy, Sara Dei from J&L Gibbons and two labourers.

The purpose of the excavation was to determine the rooting activity of a mature Ash tree (T3) which grows next to the boundary wall, adjacent to where development is proposed.

A series of trenches were excavated along the boundary wall using hand tools and the extent of rooting activity was recorded and photographed. No roots in excess of 15mm were severed during the excavation.

The soils were exposed prior to our arrival but no excavation had occurred.

Seven individual trenches were excavated and then backfilled before moving on to the next trench to ensure the boundary wall was not completely exposed and potentially destabilised.

The trenches were excavated down to the wall foundation (where possible) and a little further to ensure all potential rooting activity was considered.

Findings and Observations:

Trench 1:
Root 1: Diameter of 40mm at a depth of 0.18m below the existing ground level.
Root 2: Diameter of 0.14mm at a depth of 0.2m below the existing ground level.

Trench 2: Significant rooting activity encountered.
Root 1: Diameter of 30mm at a depth of 0.11m below the existing ground level.
Root 2: Diameter of 100mm at a depth of 0.2m below the existing ground level.
Root 3: Diameter of 45mm at a depth of 0.12m below the existing ground level.
Root 4: Diameter of 80mm at a depth of 0.2m below the existing ground level.
Root 5: Diameter of 75mm at a depth of 0.11m below the existing ground level.
Root 6: Diameter of 30mm at the existing ground level.
Several other roots encountered with a diameter of up to circa 25mm.

Trench 3:
Root 1: Diameter of 25mm at a depth of 0.5m below the existing ground level.
Root 2: Diameter of 45mm at a depth of 0.38m below the existing ground level.
One root of 10mm also encountered

Trench 4:
No significant roots found.

Trench 5:
No significant roots found.

Trench 6:
No significant roots found.

Trench 7:
No significant roots found.



Trench 7
Depth: 0.6-0.8m
Width: 0.65m
Length: 1.2m



Trench 5
Depth: 0.7m
Width: 0.5m
Length: 1m



Trench 4
Depth: 0.55m
Width: 0.4m
Length: 1.4m



Trench 3
Depth: 0.55m
Width: 0.5m
Length: 1.1m



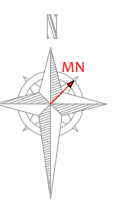
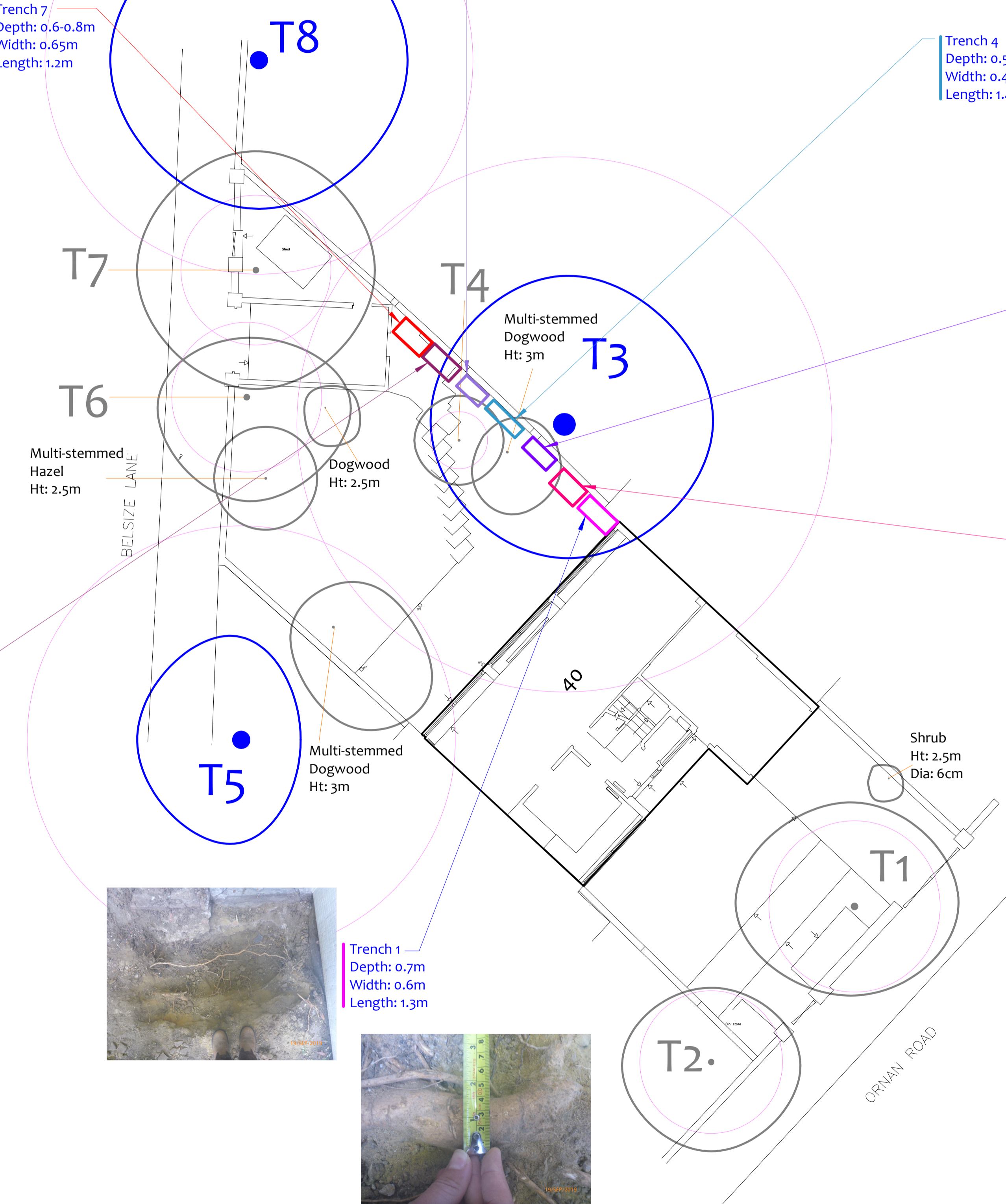
Trench 2
Depth: 0.3m
Width: 0.7m
Length: 1.1m



Trench 6
Depth: 0.75m
Width: 0.6m
Length: 1.2m



Trench 1
Depth: 0.7m
Width: 0.6m
Length: 1.3m



Trial Excavation Plan
(Existing Layout)

Drawing No:	CCL 10395 / TCP Rev: 1
Title:	Trial Excavation Plan (Existing Layout)
Site:	40 Ornnan Road NW3 4ZB
Scale:	1:100



Tree Retention Categories	
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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.

Trial Excavation Plan

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