Arboricultural Impacts

Impacts	Nos. of trees
Trees to be removed	0
Groups to be removed	1
Trees with proposed incursions into RPAs	4
Groups with proposed incursions into RPAs	0
Trees that will pruning	3
Groups that will pruning	0

Arboricultural Impacts

No.	Species	Proposed structure	Incursion
8	Common lime	Extension / Hard surfacing	Canopy / RPA
11	Common lime	Extension / Hard surfacing	Canopy / RPA
12	Common lime	Extension / Hard surfacing	Canopy / RPA
13	Common lime	Extension / Hard surfacing	Canopy / RPA

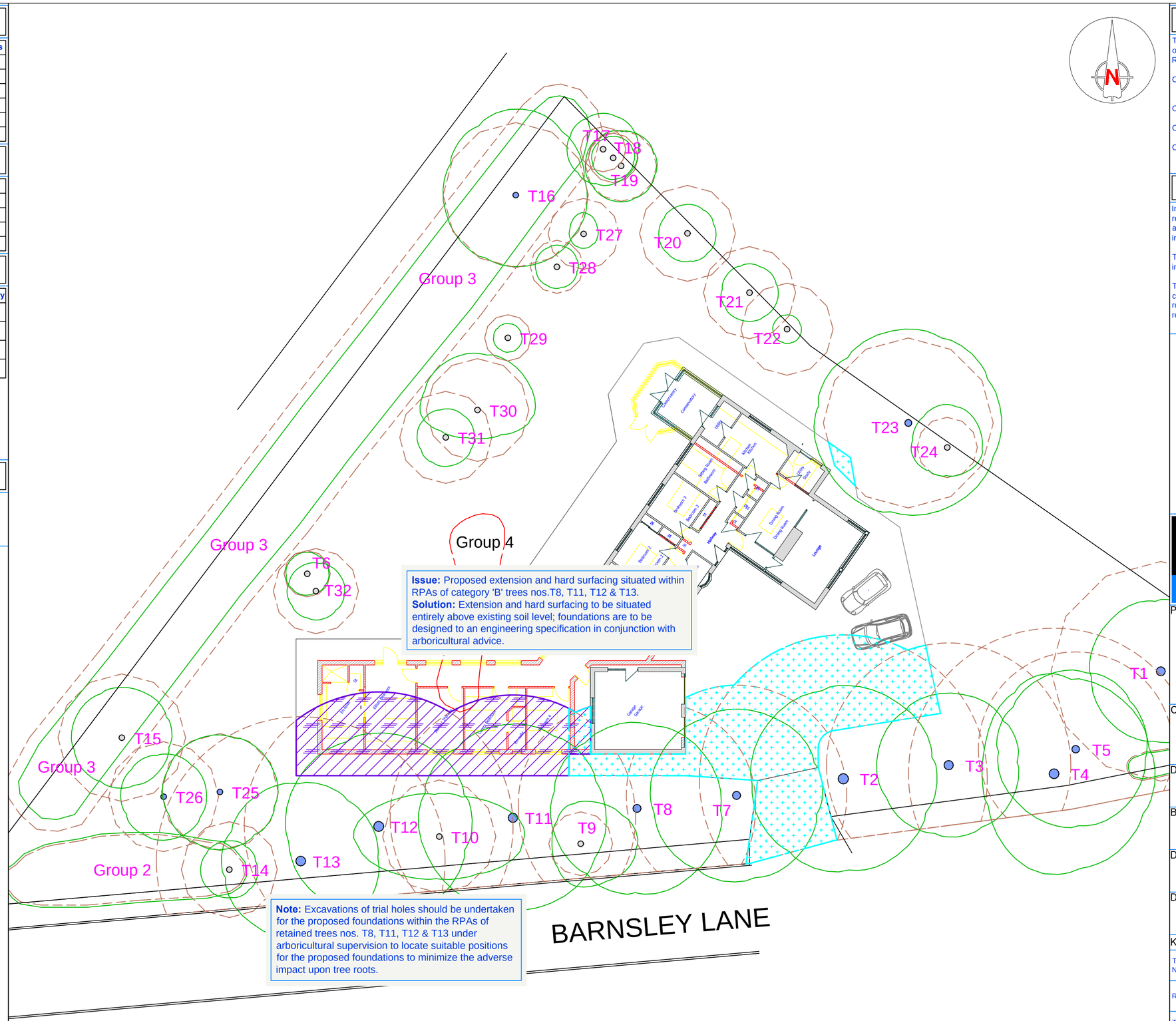
Tree Work Schedule

No.	Species	Works	Category
8	Common lime	Crown lift to provide a minimum of 2m clearance from roof of extension.	B1,2
11	Common lime	Crown lift to provide a minimum of 2m clearance from roof of extension.	B1,2
12	Common lime	Crown lift to provide a minimum of 2m clearance from roof of extension.	B1,2
13	Common lime	Crown lift to provide a minimum of 2m clearance from roof of extension.	B1,2

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 Tree work - Recommendations.
All arisings are to be removed and the site is to be left as found.
Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber lorries, tractors, excavators por cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

Arboricultural Method Statement

All tree work is to be undertaken in accordance with British Standard
Please refer to Arbtech Consulting Ltd. Tree Schedule, Arboricultural Method Statement and Tree Protection Plan, for full details on all surveyed trees and how all aspects of the development maybe implemented without determent to retained trees.



Tree Categories

Trees are categorised in accordance with the cascade chart in Table 1 of the British Standard BS 5837:2005 'Trees in relation to construction - Recommendations'

Category 'U' - Trees in such condition that they cannot realistically be retained as living trees in context of the current land use for longer than 10 years.
Category 'A' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.
Category 'B' - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.
Category 'C' - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

Root Protection Area

In order to avoid damage to the roots or rooting environment of retained trees, the Root Protection Areas (RPAs) should be plotted around each of the category A, B and C trees. This is a minimum area in m² which should be left undisturbed around each retained tree.

The RPA is calculated using the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations.

The calculated RPA is capped to 707m², which is the equivalent to a circle with a radius of 15m. Where there appears to be restrictions to root growth the root protection area is reshaped to more accurately reflect the likely distribution of the roots.

ARBTECH
Consulting Limited

Project:
Durfeldt Lodge,
Barnsley Road,
Darfield,
Barnsley

Client:
Cubic Architectural Services Limited

Drawing:
Arboricultural Impact Assessment

Based on:
0112 / 201 A

Drawing No:	Rev:
Arbtech - AIA 01	

Date:	Scale:	Drawn:
Oct 2012	1:200 @ A2	MGM

Key:

Tree Nos.:	T1	Tree Canopies:		Trunks:	
RPAs:		Category 'B' trees:		Category 'C' trees:	
To be removed:	Group 4	Incursions:		Existing hard surfacing:	

All dimensions should be checked on site. No dimensions are to be scaled from this drawing.
Please notify us of any discrepancies found. Arbtech Consulting Ltd. cannot be held responsible for inaccuracies in the base drawing in which this plan is based.
This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of retained trees.
This drawing is not to be read as a definitive part of the engineering or construction designs or method statement. An architect or structural engineer should be contacted over any matters of construction, detailing or specification and for any standards or regulatory requirments relating to proposed structures, hard surfacing or underground services.

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