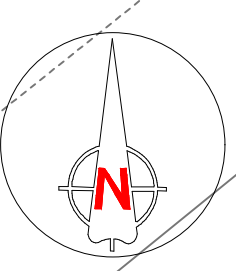


**Note:** No unauthorised excavations are to be carried out within the RPAs of any retained trees. Any level changes must form part of a construction method statement & must protect the rooting environments of all retained trees.

**Issue:** Proposed access/haul road is partially situated within the RPAs of tree nos. T11 & group G2.  
**Solution:** Excavations required for the proposed access/haul road will be carried out under arboricultural supervision within the root protection areas.



Tree Categories

Trees are categorised in accordance with the cascade chart in Table 1 of the British Standard BS 5837:2012 'Trees in relation to design, demolition and 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 m<sup>2</sup> 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 707m<sup>2</sup>, 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.

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

Arboricultural Impacts			
No.	Species	Proposed structure	Incursion
T13	Ash	Access/haul road	RPA
G2	Various	Access/haul road	RPA

Tree Work Schedule			
No.	Species	Works	Category
T11	Ash	Fall to ground level	'U'
G2	Various	Prune canopy of trees back to edge of proposed haul road	'C'

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 Tree work - Recommendations.  
All arising's 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 or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

No. of individual trees to be removed			
'U'	'A'	'B'	'C'
1	0	0	0

No. of groups to be removed			
'U'	'A'	'B'	'C'
0	0	0	0

Arboricultural Method Statement

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 Tree work - Recommendations.  
Please refer to Arbtech Consulting Ltd. Tree Schedule, Arboricultural Method Statement and Tree Protection Plan, for full details of all surveyed trees and how all aspects of the development may be implemented without detriment to retained trees.

arbtech

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Project:  
Neddy Lane Access,  
Billington,  
Whalley,  
Lancashire,  
BB7 9ND.

Client:  
Redrow Homes Lancashire

Drawing:  
Arboricultural Impact Assessment

Based on:  
4441/Eng/440-1

Drawing No:  
Arbtech AIA 01

Date: Jul 2023  
Scale: 1:150 @ A1  
Drawn: AST

Key:			
Tree Nos.:	T1	Tree Canopies:	Trunks:
RPAs:	Category 'U' trees:	Category 'U' groups:	
Category 'B' trees:	Category 'B' groups:	Category 'C' trees:	
Category 'C' groups:	Tree to be removed:	Incursion - 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 requirements relating to proposed structures, their siting or underground services.  
This drawing was produced in colour - a monochrome copy should not be relied upon.

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