



TREE REPORT AND SURVEY AT Albion Mill, Biddulph

1. Instructions

I was instructed to carry out a tree survey of trees at the above site that may be affected by the proposed development in accordance with BS 5837: 2005. This would include categorizing the trees and calculating the Root Protection Areas for each retained tree.

2. General description of the site and trees

Albion Mill has one large tree to the rear of the property. There is also a row of conifers running along the rear boundary providing a screen for the properties behind. T2 and T3 are located off site. The trees are listed in the form of a BS 5837 Tree Survey Schedule at the end of this report.

The trees are shown on the Arboricultural Implications Assessment drawing THLJW100.

3. Tree Constraints and Protection

BS 5837:2005 is intended to give recommendations to protect the trees during development and ensure their survival following the construction work. To achieve this there are two main considerations. The first is to protect the roots of the trees and the second to protect the upper parts of the tree, the trunk and branches.

The main tool to achieve the above is to create "Construction Exclusion Zones" around the trees. These are based on the "Root Protection Area" or RPA as calculated using Table 2 of BS 5837:2005. The RPAs for all the trees are included in the survey schedule.

To achieve an effective "Construction Exclusion Zone" (CEZ) it is necessary to erect a protective barrier along the edge of the RPA's. In the case of this site the retained trees are off site and are protected by a retaining wall.

4. Conclusion

T1 is a large Ash located to the rear of the property within a raised bed along the boundary wall. The tree has some major dead wood in the crown and has been heavily pruned by the neighbours. A large part of the stem and crown is also covered by ivy. There appears to be a 'lean to' type structure and retaining wall adjacent to the tree. If this structure is removed during the construction stage then there may be some stability issues with this tree. I would suggest that the tree is removed if the scheme is implemented.

T2 and T3 are sufficient distance away as not be affected by the development and will be protected by the existing boundary fence and wall.

G1 and G2 run along the rear of the property and are located outside of the boundary wall. These trees will not be affected by the development but will provide a suitable screen from the properties behind. These trees would benefit from having the sides trimmed to create a better quality screen.

Tree work

Any tree work suggested in the survey should be carried out prior to construction work. This will make the site safe to work on and avoid accidental damage to the trees by construction work.

Tree Protection Fencing

It is not necessary to use protective fencing as the trees are off site and protected by the retaining walls.

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Dated 30th July 2010

APPENDIX A - TREE SCHEDULE

KEY:

Measurements	Age Class	Physiological Condition	Category Grading	Symbols
Height - Metres Stem Diameter - Millimetres at 1.5m above ground level Branch Spread - Metres (North, South, East and West) Crown Clearance - Metres RPA Radius - Metres Estimated Remaining Contribution - Years	Y - Young MA - Middle Aged M - Mature OM - Over-Mature V - Veteran	G - Good F - Fair P - Poor D - Dead	A - High (green) B - Moderate (blue) C - Low (grey) R - Poor/Trees for removal (red) Sub-Categories: 1 - Mainly Arboricultural value 2 - Mainly Landscape value 3 - Mainly Cultural value	< - Less than ~ - Approximately > - Greater than
RPA - Root protection area (equivalent to a circle with a radius 12x the stem diameter for single stem trees and 10x the basal diameter for trees with more than one stem arising below 1.5m above ground level)				

Site: Albion Mill, Biddulph

Surveyed by: Ben Williams BSc (Hons) Arb. M.Arbor.A

Date: 23/07/10

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Tree Ref.	Species	Height	Stem Diameter	Branch Spread				Crown Clearance	Age Class	Phys. Condition	Structural Condition	Recommendations	Estimated Remaining Contribution	Category Grading	RPA Radius
				N	S	E	W								
T1	Ash (Fraxinus excelsior)	17	730	8	9	10	9	5	M	F	Tree located within raised bed. Major deadwood in crown. Large heavy limb leaning east towards neighbors property. Several branches removed for development behind.		10-20	C1	8.76
T2	Prunus Spp. (Prunus Spp.)	6	110	1.5	3	1.5	1.5	2	MA	F			10-20	C1	1.32
T3	Silver Birch (Betula pendula)	10	220	2.5	2.5	2.5	2.5	2	MA	F			10-20	C1	2.64
G1	Variegated Leyland Cypress (xCupressocyparis leylandii)	5	100	2	2	2	2	0	MA	G			10-20	C1	1.2
G2	Leyland Cypress (xCupressocyparis leylandii)	7	200	2	2	2	2	0	MA	G			10-20	C1	2.4



Notes:

1. Do not scale off this drawing. Tree canopy's are symbolic only and are representative of the average spread; this may not represent the true outline. Note that the tree stem may not sit centrally to canopy. The stem is not shown to scale - see schedule.

Rev:	Date:	Status/Amendments:	By:

Key:

- Category A Tree
- Category B Tree
- Category C Tree
- Category R Tree
- Branch Spread
- Tree to be Removed
- Root Protection Area (RPA)
- Root Protective Barrier
- Special Measures

Tree Heritage

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Established 1982

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Client:

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Project:

Albion Mill, Station Road, Biddulph

Drawing Title:

Arboricultural Implications Assessment

Scale: 1:200	Paper Size: A2	Date Created: 28/07/10
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