



JULY 1, 2019

# BS5837 TREE SURVEY REPORT

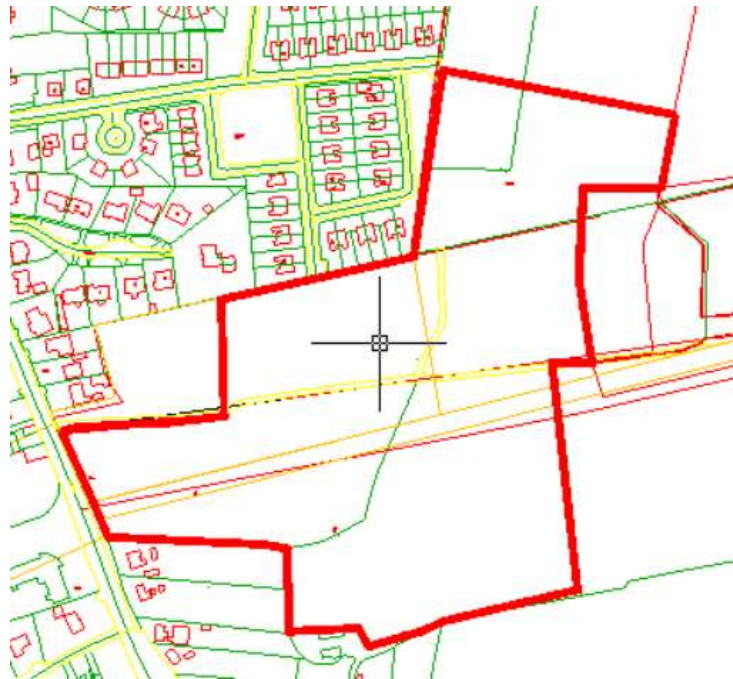
Site at Clonminch, Tullamore – Mr. K. Maguire / Park Hood

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## Site at Clonminch, Tullamore.

### Survey details

This initial BS 5837 2012 tree survey report was requested by Park-hood on behalf of Mr K. Maguire and concerns the tree population of the above site. The site is designated by the red line shown in **Figure 1**.



**Fig. 1. Site red line.**

All information proved to the author of this report is assumed to be accurate.

The scope of this report is to complete a BS5837 2012- Trees in relation to construction-specification tree survey of the trees and make recommendations for any tree management required.

The survey was carried out using Visual Tree Assessment (VTA) methodologies from ground level only. No below ground, invasive or destructive tests were undertaken. No soil / root samples were taken for analysis.

Weather conditions on the day were dry with a light wind.

Due to the changing nature of trees and other site circumstances this report and any recommendations made are limited to a 1-year period. Any alteration to the subject site, trees or any development could change the current circumstances and may invalidate this report and any recommendations made.

The report is valid only for normal weather conditions. Healthy trees or parts of healthy trees may fail in normal weather situations although the risk is significantly increased in storm conditions and

as the consequences of such weather phenomena are unforeseeable the tree surveyor cannot be held liable for any such failures.

Any alteration or deletion from this report shall invalidate it as a whole.

### Tree details

This site is made up of multiple individual fields bordered by hedgerows of predominantly Hawthorn, and occasional hazel and Elder. Some small fruit trees and blackthorn can be found in the western part of the site. There are a number of private properties bordering the site. This survey has been completed on the basis that the locational information provided on the topographical survey is correct.

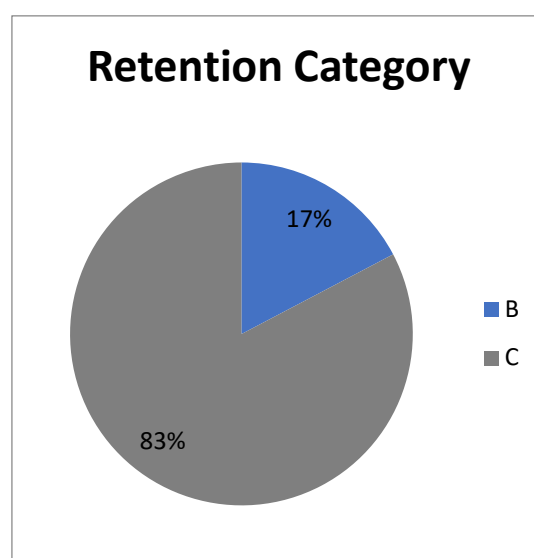
The site has a population of 52 trees surveyed as individual trees and as groups. The species breakdown can see explored in Figure 2. The majority are self-seeded.

Common Name	No. recommendations
Ash, Common	16
Cherry	3
Elm, Field	3
Sycamore	1

**Figure 2. Species make up.**

The tree population has a diversity of ages with the majority being semi-mature and early mature.

In summary, 83% trees or groups are categorised as C, 17% trees or groups are classed as B. Figure 3. No trees are classified as A. See Appendix 1 for definitions of each category.



**Figure 3. Retention category summary.**

From an amenity, arboricultural and landscape point of view the trees are not noteworthy. A large percentage of the trees have only established through self-seeding.

For a complete list of observations and recommendations on a tree by tree basis please consult the attached tree survey schedule.

### Recommendations

All recommendations are as per the survey schedule below. Recommendations are based on the site at present and may change as its usage develops.

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Photographic record.



*Photograph 1. Looking East along a hedge, which has a typical makeup for this site.  
(Photo A.Boe July 2019)*



*Photograph 2. Looking South towards tree No. 3 (Photo A.Boe July 2019)*



*Photograph 3. Looking East towards tree No.2 (Photo A.Boe July 2019)*

Tree survey Schedule July 2019- Site down at Clonminch, Tullamore

Ref.	Species	Measurements	General Observations	Category	Recommendations
T001	Ash, Common (Fraxinus excelsior)	Height (m): 16 Stem Diam (mm): 600 Spread (m): 4N, 4E, 6S, 4W Life Stage: Over Mature	A Single stemmed tree. Healthy spreading crown. Heavily overgrown with Ivy. Deadwood in the crown. Minor decay pockets. Base is hidden by heavy undergrowth. Tree in the hedge.	B1  RPA Radius: 7.2m. Area: 163 sq m.	Crown reduction by 3m. Dead wood (minor less than 25mm). Dead wood (major greater than 25mm). Sever ivy at base.
T002	Ash, Common (Fraxinus excelsior)	Height (m): 10 Stem Diam (mm): 300 Spread (m): 4N, 4E, 4S, 2W Life Stage: Early Mature	A Single stemmed tree. Healthy spreading crown. Partially overgrown with Ivy. Deadwood in the crown. Heavy undergrowth at the base. Suspect root disturbance due to ploughing of surrounding fields. Wounding on main stem is well callused and moving towards sealing.	C1  RPA Radius: 3.6m. Area: 41 sq m.	Dead wood (major greater than 25mm). Sever ivy at base.
T003	Ash, Common (Fraxinus excelsior)	Height (m): 16 Stem Diam (mm): 400 Spread (m): 3N, 4E, 4S, 3W Life Stage: Mature	Twin-stemmed tree. Healthy spreading crown. Partially overgrown with Ivy. Overhangs adjacent road Dieback - poor foliage to the west side. Suspected root disturbance due to ploughing of nearby fields.	C1  RPA Radius: 4.8m. Area: 72 sq m.	Crown reduction by 3m Sever ivy at base.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T004	Ash, Common (Fraxinus excelsior)	Height (m): 8 Stem Diam (mm): 300 Spread (m): 4N, 4E, 3S, 4W Life Stage: Early Mature	A Single stemmed tree. Healthy spreading crown. Partially overgrown with Ivy. Overhangs adjacent property. Suspected root disturbance due to ploughing of nearby fields. The base of the tree is inaccessible due to heavy undergrowth.	C1  RPA Radius: 3.6m. Area: 41 sq m.	Sever ivy at base.
T005	Ash, Common (Fraxinus excelsior)	Height (m): 9 Stem Diam (mm): 300 Spread (m): 4N, 4E, 4S, 4W Life Stage: Early Mature	Tree in the hedge. A Single stemmed tree. Healthy spreading crown. Minor decay pockets. Suspected root disturbance due to ploughing of nearby fields. Partially overgrown with Ivy. Overhangs adjacent property.	C1  RPA Radius: 3.6m. Area: 41 sq m.	Sever ivy at base.
T006	Cherry (Prunus sp. (Cherries))	Height (m): 13 Stem Diam (mm): 500 Spread (m): 4N, 5E, 2S, 3W Life Stage: Mature	A Single stemmed tree. Healthy spreading crown. Minor decay pockets. Partially overgrown with Ivy. Overhangs adjacent property. Deadwood in the crown.	B1  RPA Radius: 6.0m. Area: 113 sq m.	Sever ivy at base.
T007	Cherry (Prunus sp. (Cherries))	Height (m): 13 Stem Diam (mm): 400 Spread (m): 3N, 3E, 3S, 3W Life Stage: Mature	A Single stemmed tree. Healthy spreading crown. Minor decay pockets. Partially overgrown with Ivy. Deadwood in the crown.	B1  RPA Radius: 4.8m. Area: 72 sq m.	Sever ivy at base.
T008	Cherry (Prunus sp. (Cherries))	Height (m): 13 Stem Diam (mm): 400 Spread (m): 2N, 4E, 5S, 4W Life Stage: Mature	A Single stemmed tree. Healthy spreading crown. Minor decay pockets. Partially overgrown with Ivy. Deadwood in the crown.	B1  RPA Radius: 4.8m. Area: 72 sq m.	Sever ivy at base.
T009	Elm, Field (Ulmus minor)	Height (m): 10 Stem Diam (mm): 200 Spread (m): 3N, 1E, 2S, 1W Life Stage: Early Mature	Tree in the hedge. A Single stemmed tree. Healthy spreading crown. Partially overgrown with Ivy.	C1  RPA Radius: 2.4m. Area: 18 sq m.	No action required.




Ref.	Species	Measurements	General Observations	Category	Recommendations
T010	Elm, Field (Ulmus minor)	Height (m): 10 Stem Diam (mm): 180 Spread (m): 3N, 1E, 2S, 1W Life Stage: Early Mature	Tree in the hedge. A Single stemmed tree. Healthy spreading crown. Partially overgrown with Ivy.	C1  RPA Radius: 2.2m. Area: 15 sq m.	No action required.
T011	Elm, Field (Ulmus minor)	Height (m): 10 Stem Diam (mm): 200 Spread (m): 3N, 3E, 2S, 1W Life Stage: Early Mature	Tree in the hedge. A Single stemmed tree. Healthy spreading crown. Partially overgrown with Ivy.	C1  RPA Radius: 2.4m. Area: 18 sq m.	No action required.
T012-13	Ash, Common x7 (Fraxinus excelsior)	Height (m): 7 7 stems, avg.(mm): 300 Spread (m): 4N, 3E, 3S, 3W Life Stage: Semi Mature	7 self-seeded trees growing on both sides of an old overgrown lane. The eastern end of the group grows under powerlines and has been reduced. Ivy and minor deadwood throughout.	C1  RPA Area: 961.46 sq m.	No action required.
T014	Sycamore (Acer pseudoplatanus)	Height (m): 10 Stem Diam (mm): 300 Spread (m): 3N, 3E, 2S, 1W Life Stage: Mature	Tree in the hedge. Twin-stemmed tree. Healthy spreading crown. Partially overgrown with Ivy.	B1  RPA Radius: 3.6m. Area: 41 sq m.	Sever ivy at base.
T015	Ash, Common (Fraxinus excelsior)	Height (m): 16 Stem Diam (mm): 600 Spread (m): 5N, 5E, 7S, 5W Life Stage: Mature	Tree in the hedge. A Single stemmed tree. Healthy spreading crown. Minor decay pockets. Partially overgrown with Ivy. Deadwood in the crown.	B1  RPA Radius: 7.2m. Area: 163 sq m.	Sever ivy at base.
T016	Ash, Common (Fraxinus excelsior)	Height (m): 16 Stem Diam (mm): 600 Spread (m): 5N, 3E, 5S, 6W Life Stage: Mature	A Single stemmed tree. Healthy spreading crown. Minor decay pockets. Partially overgrown with Ivy. Deadwood in the crown.	B1  RPA Radius: 7.2m. Area: 163 sq m.	Sever ivy at base.
T017	Ash, Common (Fraxinus excelsior)	Height (m): 16 Stem Diam (mm): 600 Spread (m): 4N, 4E, 4S, 4W Life Stage: Mature	A Single stemmed tree. Healthy spreading crown. Minor decay pockets. Partially overgrown with Ivy. Deadwood in the crown.	B1  RPA Radius: 7.2m. Area: 163 sq m.	Sever ivy at base.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T018	Ash, Common (Fraxinus excelsior)	Height (m): 16 Stem Diam (mm): 650 Spread (m): 3N, 3E, 4S, 4W Life Stage: Mature	A Single stemmed tree. Healthy spreading crown. Minor decay pockets.  Deadwood in the crown. Heavily overgrown with Ivy.	B1  RPA Radius: 7.8m. Area: 191 sq m.	Sever ivy at base.
T019	Ash, Common x14 (Fraxinus excelsior)	Height (m): 6 14 stems, avg.(mm): 200 Spread (m): 3N, 3E, 3S, 3W Life Stage: Young	A group of 14 Ash growing along the back of a barn. Self-seeded. Will eventually damage the building.	C1  RPA Area: 29.69 sq m.	No action required.
T020	Ash, Common x5 (Fraxinus excelsior)	Height (m): 6 5 stems, avg.(mm): 200 Spread (m): 3N, 3E, 3S, 3W Life Stage: Semi Mature	A group of Ash self-seeded within a hedge. The Southern tip is adjacent to Powerlines so will be reduced regularly to keep them clear. Heavily overgrown with Ivy.	C1  RPA Area: 226.35 sq m.	No action required.
T021	Ash, Common (Fraxinus excelsior)	Height (m): 8 Stem Diam (mm): 250 Spread (m): 3N, 3E, 3S, 3W Life Stage: Semi Mature	Tree in the hedge. A multi-stemmed tree. Healthy spreading crown. Partially overgrown with Ivy.	C1  RPA Radius: 3.0m. Area: 28 sq m.	No action required.
T022	Ash, Common (Fraxinus excelsior)	Height (m): 8 Stem Diam (mm): 200 Spread (m): 3N, 3E, 3S, 3W Life Stage: Semi Mature	Tree in the hedge. A multi-stemmed tree. Healthy spreading crown. Partially overgrown with Ivy.	C1  RPA Radius: 2.4m. Area: 18 sq m.	No action required.
T023	Ash, Common x5 (Fraxinus excelsior)	Height (m): 8 5 stems, avg.(mm): 200 Spread (m): 3N, 3E, 3S, 3W Life Stage: Semi Mature	5 Ash growing as one continual canopy in a hedge row. Self seeded/	C1  RPA Area: 63.44 sq m.	No action required.
T024	Ash, Common x3 (Fraxinus excelsior)	Height (m): 7 3 stems, avg.(mm): 200 Spread (m): 3N, 4E, 3S, 4W Life Stage: Semi Mature	3 trees. Self-seeded and growing in a hedge. Ivy throughout.	C1  RPA Area: 62.71 sq m.	No action required.

## Appendix 1.

**BS5837:2012 Table 1 – Cascade chart for tree quality assessment**

Category and definition	Criteria (including subcategories where appropriate)	Identification on plan
<b>Trees unsuitable for retention</b> (see Note)		
<b>Category U</b> Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	<ul style="list-style-type: none"> <li>Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning)</li> <li>Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline</li> <li>Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality</li> </ul> <p><i>NOTE</i> Category U trees can have existing or potential conservation value which it might be desirable to preserve; see [BS5837:2012] 4.5.7.</p>	
<p style="text-align: center;"><b>1 Mainly arboricultural qualities</b>                      <b>2 Mainly landscape qualities</b>                      <b>3 Mainly cultural values, including conservation</b></p>		
<b>Trees to be considered for retention</b>		
<b>Category A</b> <b>Trees of high quality</b> with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features
<b>Category B</b> <b>Trees of moderate quality</b> with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality
<b>Category C</b> <b>Trees of low quality</b> with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits
		Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)
		Trees with material conservation or other cultural value
		Trees with no material conservation or other cultural value
		