

Tyler Grange Ref. 16162_R03_Arboricultural Survey Note_WS_04112024

Arboricultural Survey Note

- 1.1. This note has been prepared by Tyler Grange Group Limited (TG) on behalf of Avison Young to detail the findings of a desk study and field-based tree survey at the site known as 'Mercury 62' located adjacent to Cronton Road, Whiston, Widnes, Prescot L35 1QR.
- 1.2. It is understood that an area of tree cover located along the southern boundary of the application site is proposed for removal and the local planning authority has requested details of the number of trees, above the 75mm threshold as detailed within BS5837:2012, are to be removed. It is worth noting that trees below 150mm are by default Category C as per Table 1 Cascade Chart of BS5837:2012 and have been recorded as such.
- 1.3. TG visited the site on 29th October 2024 to undertake a walkover survey of the area of trees. It was agreed prior to the survey that an approach utilising an average number/quality of trees per square metre was to be adopted, rather than identifying trees within wooded areas as individuals. This methodology was agreed due to access limitations to the existing trees, in addition to the density of the existing tree stock making recording each tree individually impractical. Trees located within the wooded areas that stood out as individual specimens were recorded separately.
- 1.4. Each wooded area was surveyed and an average stem diameter, stem density, species mix and percentage of tree quality per area was calculated. Following the survey, the data was formatted to create an estimated area of stems within each wooded area surveyed. This was calculated by offsetting the canopy extents back into the wooded area. The surveyed areas are illustrated in Appendix 1.
- 1.5. Table 1 below displays the calculated figures for the grouped areas split into estimated percentages per criteria. Nineteen individual trees were also recorded separately from the grouped areas. These trees were all of moderate quality (Category B).
- 1.6. No Category A Trees were recorded during the survey.
- 1.7. It is estimated that a total of 2746 trees are situated within the survey area, of which approximately 11% (303 trees) are Category B trees above the 150mm threshold as detailed within BS5837:2012. It is estimated that 45% of the trees are Sycamore, Ash and Beech, 35% of the trees are Willow and Hawthorn, with Hazel, Oak, Birch and Maple comprising the remaining 20%.



Table 1: Stem Density and Estimated Category Percentage sqm

Group/ Tree Number	Estimated Area of Stems (m2)	Species Mix	Average Stem Diameter	Average Stem Density Over 150mm (per m2)	Total Number of Trees (Areas x Stem Density)	Percentage of Category B Trees	Percentage of Category C Trees
G1	1298m2	Beech, Ash, Sycamore	285mm	.5	649	20% (129 Trees)	80% (520 Trees)
T2 (Cat B)	N/A	Beech	500mm	N/A	N/A	N/A	N/A
T3 (Cat B)	N/A	Beech	670mm	N/A	N/A	N/A	N/A
G4	126m2	Ash, Sycamore, Silver Birch, Oak, Hazel, Willow, Hawthorn	185mm	2	252	10% (25 Trees)	90% (227 Trees)
T5 (Cat B)	N/A	Silver Birch	270, 180 mm (2 stems)	N/A	N/A	N/A	N/A
T6 (Cat B)	N/A	Goat Willow	165mm (6 stems)	N/A	N/A	N/A	N/A
G7	147m2	Ash, Sycamore, Silver Birch, Oak, Hazel, Willow, Hawthorn	100mm	2.5	367	5% (18 Trees)	95% (349 Trees)
T8 (Cat B)	N/A	Goat Willow	250mm (5 stems)	N/A	N/A	N/A	N/A
G9	690m2	Ash, Sycamore, Silver Birch, Oak, Hazel, Willow, Hawthorn, Maple, Apple	225mm	1	690	5% (34 Trees)	50% (656 Trees)
T10	N/A	Norway Maple	310mm, 300mm	2	N/A	N/A	N/A
T11	N/A	Goat Willow	230mm (6 Stems)	N/A	N/A	N/A	N/A
T12	N/A	Sycamore	285mm, 260mm	N/A	N/A	N/A	N/A



T13	N/A	Sycamore	220mm (5 Stems)	N/A	N/A	N/A	N/A
T14	N/A	Apple	300mm, 190mm, 140mm	N/A	N/A	N/A	N/A
T15	N/A	Ash	230mm (4 Stems)	N/A	N/A	N/A	N/A
G16	123m2	Sycamore, Silver Birch, Oak, Hazel, Willow	180mm	.5	61	10% (6 Trees)	90% (55 Trees)
T17	N/A	Oak	295mm, 240mm	N/A	N/A	N/A	N/A
T18	N/A	Oak	400mm	N/A	N/A	N/A	N/A
T19	N/A	Oak	310mm	N/A	N/A	N/A	N/A
T20	N/A	Sycamore	210mm, 150mm, 135mm	N/A	N/A	N/A	N/A
T21	N/A	Sycamore	180mm, 165mm	N/A	N/A	N/A	N/A
T22	N/A	Oak	325mm, 70mm	N/A	N/A	N/A	N/A
T23	N/A	Oak	295mm	N/A	N/A	N/A	N/A
G24	485m2	Sycamore, Silver Birch, Oak, Hazel, Willow	165mm	1.5	727	10% (72 Trees)	40% (655 Trees)
T25	N/A	Hawthorn	325mm	N/A	N/A	N/A	N/A



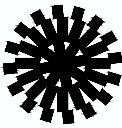
Appendix 1 – Survey Area Plan



-  Category B - Trees of Moderate Quality and Value
-  Category C - Trees of Low Quality and Value
-  Root Protection Areas
-  Approximate Area of Stems

**Denotes trees and groups not identified on topographical survey. Locations approximated using measurements taken on site.*

Rev	Description	Date
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Project title
Mercury 62

Drawing title
Tree Survey Area Plan
Sheet 1 of 2

Scale	Not to scale @ A2	Drawn	WS
Date	04.11.2024	Checked	JP

Drawing number	Revision
16162_P04	-

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Not to Scale



