

Site: University of Reading L043 Acacias Arboricultural Study

Surveyor: Mr. David Challice

Date Surveyed: Wed, 31 Jan 2024

Our Ref: AR5391

Tree No.	English Name	Height	Crown Spread	Ground Clearance	Age Class	Stem Diameter	Protection Multiplier	Protection Radius	Growth Vitality	Structural Condition	Landscape Contribution	B.S. Cat	Sub Cat	Useful Life	Observations
T1	London Plane 1 Number	27	15 16 18 12	GC1.5 FB 10 S	Mature	2180 1	12	15.0	Normal	Good	Very High	A	1-3	40+	Very impressive specimen with rooting anticipated under surrounding buildings to the north. Roots are distorting surrounding light structures. Significant surface rooting visible that must be retained and protected. The tree is protected by a Tree Preservation Order. Supervised hand excavations retaining all roots over 10mm in diameter will be required to establish the rooting constraints of this tree for any proposed development or refurbishment. Decay fungi <i>Rigidoporus ulmarius</i> present at the stem base on the northern side. A sounding hammer indicated extensive reaction wood and buttressing. Numerous insignificant decay pockets in the upper crown.
Recommended Works/ Reason for Works: Client to undertake a detailed yearly tree safety survey and report findings To reduce risk of injury or damage															

Notes:

- Height describes the approximate height of the tree measured in meters from ground level.
- The Crown Spread refers to the crown radius in meters from the stem centre and is shown above on each of the four compass points (i.e. N, S, E, W).
- Ground Clearance (GC) is the height in meters of crown clearance above adjacent ground level, the height of the first significant branch (FB) and the direction in which it is growing.
- Stem Diameter is the diameter of the stem measured in millimeters at 1.5m from ground level. The stem diameter may be estimated (est) where access is restricted or an average (ave) taken for groups or multi-stemmed trees with more than five stems. The number of stems is also indicated.
- Protection Multiplier is the number used to calculate the tree's protection radius and area and is shown as 12.

- Protection Radius is a radial distance measured from the trunk centre.
- Growth Vitality - Normal growth, Moderate (below normal), Poor (sparse/weak) or Dead (dead or dying tree).
- Structural Condition - Good (no or only minor defects), Fair (remedial defects), Poor (major defects present).
- Landscape Contribution - High (prominent landscape feature), Medium (visible in landscape), Low (secluded/among other trees).
- B.S. Cat refers to British Standard 5837:2012 Table 1 and refers to tree/group quality and value; 'A' - High, 'B' - Moderate, 'C' - Low, 'U' - Remove.
- Sub Cat refers to the retention criteria values where 1 is Arboricultural, 2 is Landscape and 3 is Cultural including Conservation, Historic and Commemorative.
- Useful Life is the tree's estimated remaining contribution in years.