

Certain trees may be of such importance and sensitivity that they justify having a major influence on design. Others may be of little significance that could be removed without adverse impacts.

The key trees are identified in the survey schedule presented as Appendix B.

Root Protection Area (RPA): This is an area (representing a volume of soil) considered necessary to maintain the trees viability. The area represented on the TCP is a minimum recommended by BS5837 and is capped at 707 m².

The shape of the RPA will vary in accordance with site conditions e.g. a road is likely to form a barrier to root growth. Whilst the notional RPA is circular the shape plotted on the TCP may be a polygon to reflect likely barriers to root growth.

Encroachment within the RPA of retained trees will require justification and be supported by a sound rationale from the project arboriculturist.

Tree species: The species will influence a number of factors relevant to design including height (represented by the length of the shade arc), spread (indicated on the TCP), ultimate height and spread (which may be indicated where appropriate), deciduous/evergreen nature, crown density, seasonal nuisance etc.

Proximity: The proximity of a tree to constructed structures and gardens can be a key factor affecting people's enjoyment of a site.

Age: Mature and over-mature trees are more sensitive to change than young trees. Their inability to adapt to altered soil conditions within or near the RPA means that care is required when designing in these places.

Shade Arc: This is an average pattern of the shade as it passes through the day. It provides an indication of how trees may impede direct sunlight.

Dense shade can be addressed by the siting of structures and principal landscape points outside the shade arcs.

Services: It is prudent to locate new service outside the RPA and crown (allowing for future growth) of retained trees. However, the impact of putting services close to trees will be determined by the sensitivity and/or quality of the trees.

Important: Please note that this plan is to be viewed in colour and at the scale and size presented. It is likely to be difficult to read if presented in a smaller format. Important features of the plan are colour coded and the data processed, and conclusions drawn, may be difficult to assess if presented in black and white.

Trees have been surveyed as groups where they form cohesive features either aerodynamically (i.e. they form a discrete group feature providing companion), culturally (i.e. they are composed of trees of a similar size, age and species subject to the same management) or visually (i.e. where the value of the trees within the group is as a whole rather than individually). The dimensions, spreads and root protection areas of groups are based on the largest trees within any group surveyed.

Only trees over 75 millimetres diameter at breast height (at 1.5 metres above ground level) have been included in the survey unless I have assessed them as being of particularly high value in terms of amenity. Other shrub vegetation on the site that has not been specifically included in this report is not relevant in terms of planning assessment.

We have undertaken the survey in accordance with the recommendations in British Standard 5837:2012 Trees in relation to design, demolition & construction - Recommendations (BS 5837).

The dimensions, spreads and root protection areas of groups are based on the largest trees within any group surveyed.

Any incursion into the RPA will be unfavourably viewed by the LPA and will need to be supported by a strong argument. The closer to the stem the greater the risk to the trees and the greater the likelihood of the proposals being deemed unacceptable.

Sufficient room must be left for working and access space. This must be outside the RPA.



Individual trees

- Root protection area (RPA) (amended from circle as required)
- U Grade trees
- A Grade trees incl RPA
- B Grade trees incl RPA
- C Grade trees incl RPA
- Relevant notes (Td=Trunk diameter)

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Revision	Description	Date
Client: c/o Mei Loci		
Project: St Andrews Park, Gravesend		
Drawing Title		
Tree Constraints Plan		
Date: Jan 2026	Job Ref: 5339	
Drawn by: TSE	Scale 1:200 at A2	
Based on topographic survey by Enka Surveys 24 October 2025.		
Drawing number		
EV-5339-TCP		