

1. The Root Protection Areas of the trees are included in the Tree Survey Schedule and are shown on the plan. The Root Protection Area (RPA) is the area of ground around the stem of a tree, measured in m2, which is calculated in accordance with the BS 5837 using the stem diameter of the trees. This should provide retained trees with sufficient rooting environment to survive the proposed development. BS 5837 provides for the shape of the RPA to be modified to account for site constraints. The RPA should be modified where root pruning may be restricted, as long as the total area remains the same.
- No more than 20% of the RPA of retained trees is to be covered by existing or new hard surfacing of any kind unless already in situ.
2. The appropriate shade segments for key surveyed trees has been added using the ArborCAD software system, which identifies the area of the site which may be affected by shade during the course of the day. The shade segment does not represent the actual shade cast by the tree, but a theoretical representation of the shade that may be cast at some point during the course of a day by shade depending on the time of day and season.
3. Before the planning application is submitted to the Local Planning Authority, it may be necessary to include an Arboricultural Impact Assessment, an Arboricultural Method Statement and a Tree Protection Plan. These documents provide the detail relating to: as used to be removed to accommodate the proposed layout.
- The mitigation required in relation to the above tree removal
 - The methods and sequencing of effective tree protection and retention during the construction phases
 - The timing and supervision necessary to ensure the delivery of robust and effective tree protection

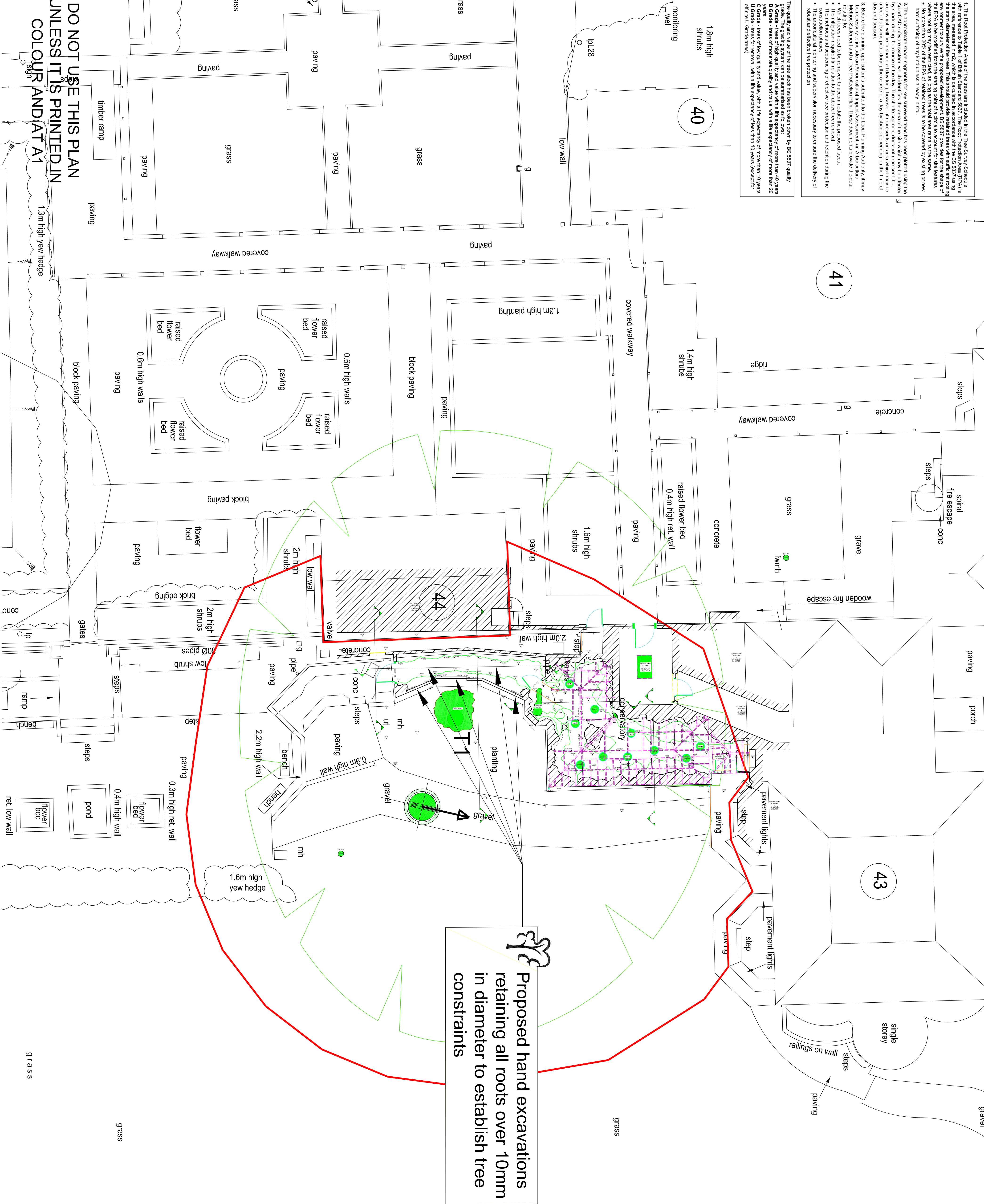
The quality and value of the tree stock has been broken down by BS 5837 quality grades. The quality and value of the tree stock has been broken down by BS 5837 quality grades. The quality and value of the tree stock has been broken down by BS 5837 quality grades.

A Grade - trees of high quality and value, with a life expectancy of more than 40 years

B Grade - trees of moderate quality and value, with a life expectancy of more than 20 years

C Grade - trees of low quality and value, with a life expectancy of more than 10 years

U Grade - trees for removal, with a life expectancy of less than 10 years (except for off site U Grade trees)



KEY:	
	BS rooting area shown uniform but may be modified to account for site constraints
	BS rooting area has been modified to account for site constraints
	A Grade
	B Grade
	C Grade
	U Grade

THIS IS NOT A TREE PROTECTION PLAN

Plan to be printed in colour and to scale

Tree Constraints Plan

University of Reading L043

Acadas Arboricultural Study

DATE: 1:100 @ A1 | 31.01.2024 | D.C.

PROJECT: TCP-ARS391

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