

Tree No.	Species (Common name)	Height (m)	Stem diam @1.5m (mm)	Crown spread (m)	Crown clearance (m) to lowest growth	Maturity	Vigour	Est remaining contribution (yrs)	Condition/ Comments	Preliminary Management recommendations	RPA radius (m)	RPA area (m <sup>2</sup> )	BSS837 quality ref
T001	Sycamore ( <i>Acer pseudoplatanus</i> )	17.0	1100	N:10 E:10 S:10# W:10	5.0 4.5(NW)	M	G	40+ Years	Broad mature tree close to the boundary of the school. Existing passage of vehicles approximately 10m from tree base. Part of protected line of trees	No work required	13.2	547	A1
T002	Goat Willow ( <i>Salix caprea</i> )	6.0	179 (80,80,80,80)	N:3 E:3 S:3 W:3	1.0 1(S)	Y	G	10+ Years	10.5m from corner post Next to fence bordering car park, self set will become problematic for due to location	No work required	2.1	14	C2
G003	Common Beech x4 ( <i>Fagus sylvatica</i> ) Sycamore x2 ( <i>Acer pseudoplatanus</i> )	18.0	1400#	N:13 E:12 S:10 W:9	0.5 6(E)	M	G	40+ Years	Largest beech 3m from boundary, stem diameter approx 1.4m. 12m spread to east Fenced area adjacent to the site, numerous close growing mature trees. Ground is elevated by approximately 1m above level of sports field with shallow gradient extending approx 4.5m into sports field	No work required	0.0	882	A2
G004	Sycamore x6 ( <i>Acer pseudoplatanus</i> ) Turkey Oak x3 ( <i>Quercus cerris</i> ) Common Hawthorn x2 ( <i>Crataegus monogyna</i> )	18.0	800	N:10 E:10 S:10 W:10	1.0 3.5(N)	M	G	20+ Years	Mature tree line adjacent to the boundary. On sloping ground significantly lower than playing field. Trees are generally reliant on each other for durability	No work required	0.0	1127	B2
T005	Silver Birch ( <i>Betula pendula</i> )	11.0	300	N:4 E:4 S:4 W:4	1.5 2(N)	EM	G	20+ Years	Well formed feature tree on the corner of raised sports pitch area	No work required	3.6	41	B1

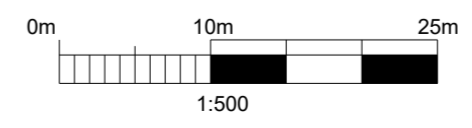
**Key:**  
**Maturity** – This is a categorisation of the age class or life stage of a tree. There are 5 categories as follows:  
**Young (Y)** – Newly planted or self-set trees; **Semi-mature (SM)** – Large nursery stock or self-set trees in their early life stages; **Early-mature (EM)** – Trees that are in their first third life cycle with significant increases in size.; **Mature (M)** – Trees in their second third life cycle reaching full size potential and slowing growth rates.; **Late-mature (LM)** – Trees in their final third their life cycle showing signs of decline.; **Veteran (V)** – Trees showing signs of retrenchment and deadwood habitat irrespective of their age.  
**Vigour** – An assessment of the biological function of the tree by visually observing the leaf colour, size, crown density, general shoot extension and live crown. There are 4 categories as follows:  
**Good** – attributes considered normal for species and variety; **Fair** – minor reductions within the tree crown of any of the categories listed from that of a normal example; **Poor** – significant reductions within the tree crown of at least two categories listed accompanied by extensive crown dieback (in excess of 33% of crown volume); **None** – this is when a tree is dead  
**Est remaining contribution (yrs)** – This is an estimation of how long the particular trees is likely to survive in a similar form, size, shape etc in the current location, measured in years. Issues such as reduced vigour, pathogen infection or a likelihood of structural failure are major factors reducing this value (categories are 40+, 20+, 10+, <10).  
**RPA radius (m)** – This is the radius, in metres, of the root protection area (RPA) being expressed as a circle around each tree.  
**RPA area (m<sup>2</sup>)** – This is the equivalent cross-sectional area of the root protection area (in square metres) which is deemed large enough to contain sufficient volume of roots to maintain the tree's viability.  
**BSS837 quality ref:** This is a grading based on Table 1 within the standard and has 4 categories and 3 subcategories. The 4 main categories are:  
**A** - trees of high quality with an estimated remaining life expectancy of at least 40 years.  
**B** - trees of moderate quality with an estimated remaining life expectancy of at least 20 years.  
**C** - trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.  
**U** - 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

**Legend:**

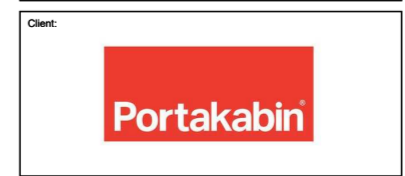
**Tree/ Group Identification Number**  
 T5  
 Root Protection Area shown as a radius, individual trees  
 Tree canopy extent

	Tree	Tree group	Hedge native	Hedge ornamental
Category A				
Category B				
Category C				
Category U				

All Dimensions to be checked on site and not scaled from this drawing.  
 This drawing is not for construction  
 This drawing is for planning only  
 All services to be checked on site and not scaled from this drawing



Consultant:  
 Crestwood Environmental Ltd  
 Science, Technology and  
 Prototyping Centre, UoWSP,  
 Glaston Drive,  
 Wolvehampston, WV10 9RU  
 Tel: 01902 229563  
 info@crestwoodenvironmental.co.uk  
 http://www.crestwoodenvironmental.co.uk/



Site: <b>Eldwick Primary School, Bingley</b>				
Drawing Title: <b>Tree Constraints Plan (TCP)</b>				
Drawn By: DW	Checked By: IS	Date: 03 / 10 / 2023	Scale: 1:500	Paper Size: A1 (841x594 mm)
Status: Final	Final Revision: -	CAD Ref: CE-ES-2450-ADW01-Final	Drawing No. / Client Ref: <b>Figure 1</b>	