

TREE SURVEY SCHEDULE – The Red Maids School (For Simon Hodges, Estates Manager) Westbury Road, Westbury on Trym, Bristol

Abbreviations:

DI - Dense Ivy cover or vegetation, sufficient to prevent a condition inspection
 CF - Crown Thin
 CL - Crown Lift
 CI - Climbing Inspection
 CO - Clean Out Crown
 OM - Over-mature
 M - Mature

RISK/HAZARD/TARGET (RHT)

RD - Road
 D - Drive
 G - Grounds
 B - Building
 PRP - Public Footpath
 F - Ficus

Surveyor: A J Engley

Survey Dates: 31 May 2022

Update 3.8.10, 9.8.11, 7.8.12,
 29.5.13, 6.8.13, 14.8.2014,
 11.8.15, 18.5.16, 11.5.17,
 29.5.18, 28.5.19 and 26.5.20, 2.6.21, May 2022

Tagged: Some (not used). Tree Nos below mostly match TPO 585

MS - Multi-stemmed
 RTS - Recent tree surgery

(CON) PHYSIOLOGICAL CONDITION
 G - Good condition
 F - Fair condition
 P - Poor condition
 D - Dead M - Moribund condition

PRIORITY (Re-appraise priorities within the annual inspection)

PRIORITY
 *HIGH PRIORITY - *H *1 CARRY OUT WORK WITHIN DELAY
 HIGH PRIORITY - H 2 CARRY OUT WITHIN 12 MONTHS (or as recommended in the report)
 MEDIUM PRIORITY - M 3 CARRY OUT WITHIN 24 months.
 LOW PRIORITY - L 4 Annual inspection, non-urgent
 Improbable risk of tree failure, may be part of existing grounds maintenance program.

| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age & OM | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|--|------------|---------|--------------|-----|----------------------|--|--|
| G1 RTS | L 4 | x 13 Horse Chestnut (<i>Aesculus hippocastanum</i>) | Average 16 | 350-800 | OM & Y | F/P | RD PRP G B | DI. All previously crown lifted. Some trees have signs of Bleeding canker (notably far less than previous years) affecting all trunks and main stems. The majority have annual foliage fungal blight and moth insect pests; all have heavy, up-curving laterals and are multi stemmed without central spine leaders. Occasional natural bracing and tight forks, low (E) crowns. Occasional bark flaking. Recent re-sprouting along branches and trunks indicate improving vitality. This has improved Spring/early Summer 2020/21 and 2022. | <ul style="list-style-type: none"> Monitor diseases. Clear ivy at GL to allow 2024 inspection. |
| T2 | L 4 | Copper Beech (<i>Fagus sylvatica</i> 'Purpurea') | 16 | 900 | M | G | G D lodge P | Fine looking appearance, evenly balanced crown, very heavy, dense internal foliage. Recent vertical bark split, 1.2-2m (S). Good wound wood development beneath bark fissure/split producing total occlusion. | Inspect braces, replace as necessary |

| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|----------------------------------|---------|---------|-----|-----|-------------|---|------------------------------------|
| T4 | L - 4 | Beech (<i>Fagus sylvatica</i>) | 23 | 900 | M | F/P | G D P | One sided crown (lost companion) Tight fork at 15m. Minor deadwood. Sub leader at 1/3 height (S) bark loss for 2m. Some minor browning of inner foliage due to insect pest. (Poor upper one third crown condition). Better low foliage re-growth and re-sprouting. (<i>Retrenchment development</i>). | • RTS Good response to earlier TS. |
| T5 | L - 4 | Lime | 30 | 900 | M | F | G D P | Narrow crown. Dense shoot regrowth. | - |
| T6 | L - 4 | Lime | 15 | 450 | Y | F | G D P | Slightly suppressed by companion, distorted form. Dense low shoots and deadwood. | - |
| T7 | M - 3 | Lime | 35 | 800 | M | F | G D P | Crown contains deadwood. Minor cavity at buttress indent. | • CDW • Clear shoots up to 10m |
| T8 | L - 4 | Beech | 18 | 750 | M | F | G D P | One sided (W). Heavy (W) low crown to 2-3m above ground level. | - |
| T9 | L - 4 | Lime | 35 | 1100 | M | F | G D P | Forks at 6m. Dense crown, previous brace system X 2 at 17m. Minor deadwood throughout crown. | - |

| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|---------|---------|---------|----------|-----|-------------------|---|--|
| T10 | L - 4 | Beech | 16 | 550 | MA | F | G D | Narrow crown, dense shoots. Old scars. | - |
| T11 | L - 4 | Lime | 30 | 1000 | M | F | G D P | Dense crown. Cavity facing road at 10m. Good wound wood development. RTS. Dense epicormic shoot growth at 6m. Cable at 8m. Crown contains deadwood. | - |
| T12 | L - 4 | Beech | 11 | 600 | MA/ M | F | G D P | Trunk bias (W) up to 9m. | • RTS |
| T13 | M - 3 | Lime | 35 | 1000 | M | F | G D P | Forks at 11m. 3 Principal leaders. Minor deadwood throughout crown. Heavy deadwood section within the upper northerly spire and mid crown. | • CDW • Cl • clear shoots up to half tree height |
| T14 | L - 4 | Lime | 30 | 1000 | M | P | G D P | Fork at 3.5m, major deadwood (W) and (NW). Dense epicormic shoot growth. | - |
| T15 | L - 4 | Lime | 16 | 400 | Y | F | G D | Average form | - |
| T16 | L - 4 | Lime | 23 | 750 | M | F/P | G D P CP | Dense shoot re-growth and minor deadwood | - |
| T17 | L - 4 | Lime | 18 | 850 | M | F | D G CP | Dense upper crown contains deadwood, mature lower shoots. | - |

| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|---|---------|---------|-----|-----|-------------------|--|--|
| T18 | L - 4 | Copper Beech | 27 | 1500 | M | F | G D CP P | Very fine-looking specimen. Tight fork from 1m up to bifurcation point. Bark to bark contact and included bark. Dense heavy crown. 2 x previous cable brace system. Damaged stubs. Previous tree surgery. | - |
| G19 | M - 3 | Judas tree (<i>Cercis siliquastrum</i>) 2 x trees | 7 | 450 | OM | F | G P | Grows under Copper Beech T18 <ul style="list-style-type: none"> • One stem previously reduced and re-sprouting from weak decayed point. • One convoluted leader - decayed and weakened stem. • Minor deadwood throughout. • Woodpecker holes and nest activity May 31, 2023 | <ul style="list-style-type: none"> • CDW • CR, cut back to recent pruning positions, branch lengths 1m, cut diameters 2-3m |
| No 20 | | Missing | | | | | | | |
| T22 | L - 4 | Fern Leaf Beech (<i>Fagus sylvatica</i> 'lacinata') | 24 | 1400 | M | G | G D B CP | Very fine-looking specimen, excellent form. Dense heavy crown, previous cable brace system. | |
| T23 | L - 4 | Mulberry (<i>Morus alba</i>) | 4 | 50 | Y | F/P | D | Newly planted, slow to flush. Much better re-growth (2018) re-staked (2019). Better growth 2021/22. | - |
| T24 | L - 4 | Copper Beech | 18 | 800 | M | G | G D | DL. Heavy drive side lowest lateral (sound buttressing SW). Distorted graft line at ground level. Good wound wood development. | - |
| T25 | M - 3 | Lime (south west of path and drive crossing) | 20 | 900 | M | F/P | D CP G | Deadwood apparent. | <ul style="list-style-type: none"> • CDW • CI • clear shoots up to half tree height |

| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|-----------------------------------|---------|---------|-----|-----|-------------------|--------------------------------------|--|
| T26 | L - 4 | Lime | 11 | 250 | Y | F | D CP G | Distorted trunk. Dense crown | - |
| T27 | M - 3 | Lime (north of car park entrance) | 35 | 1000 | M | F | D CP G B | Dense crown. Deadwood in upper crown | <ul style="list-style-type: none"> • CDW • C1 • clear shoots up to half tree height |
| T29 | | Missing | | | | | | | |
| T30 | | Missing | | | | | | | |
| T32 | M - 3 | Lime (over sign post) | 28 | 950 | M | F | G D B | Average form. Fork at 10m | <ul style="list-style-type: none"> • CDW • C1 • clear shoots up to half tree height |
| T33 | M - 3 | Lime | 20 | 950 | M | F | G D | Good form | <ul style="list-style-type: none"> • CDW • C1 • clear shoots up to half tree height |

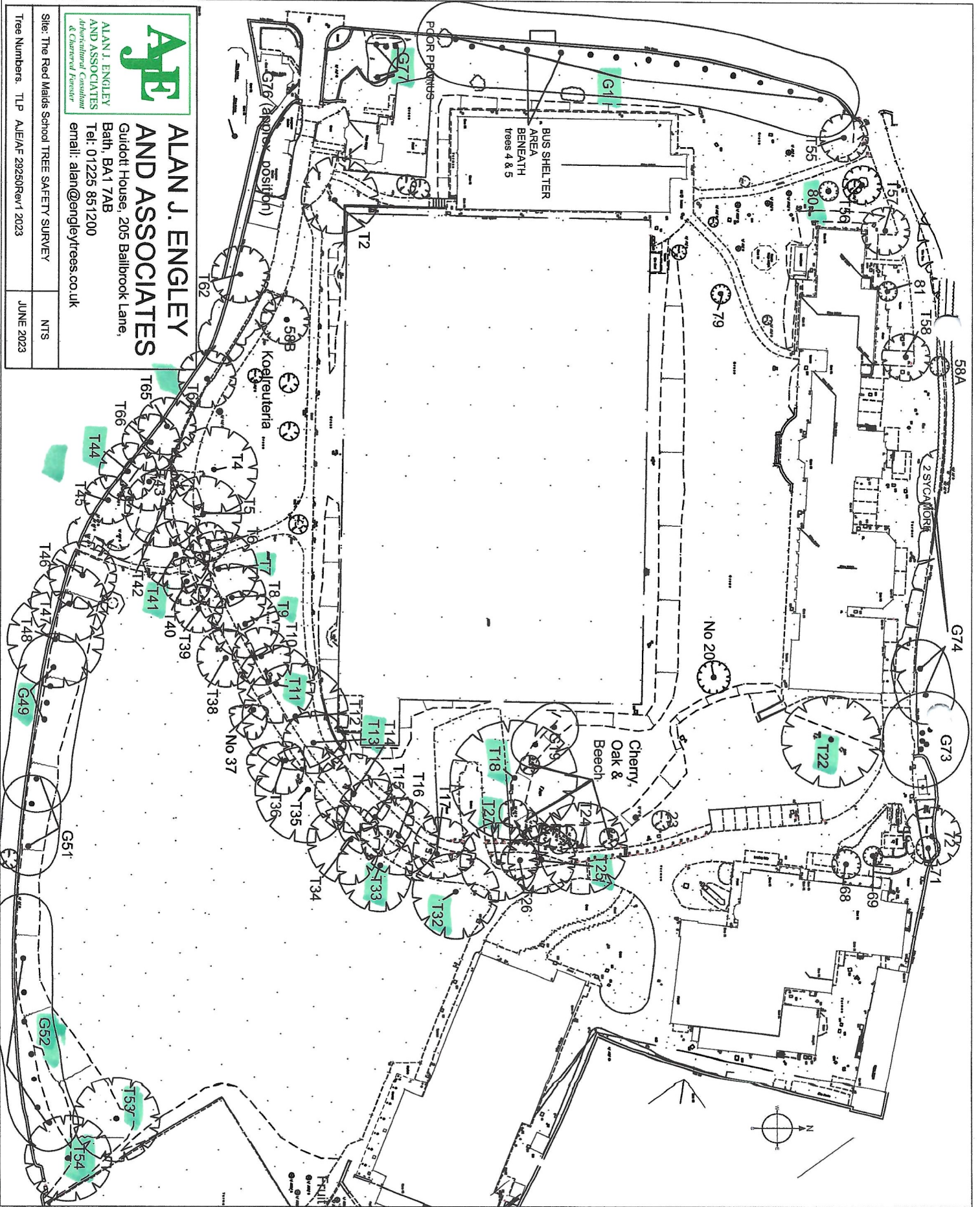
| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|--|---------|-----------|-----|-----|--------|--|-----------------|
| T34 | L - 4 | Lime | 33.5 | 900 | M | F | G D | Crown contains minor deadwood. | - |
| T35 | L - 4 | Lime | 35.5 | 1000 | M | F | G D | Minor deadwood within crown. | - |
| T36 | L - 4 | Lime | 19 | 500 | MA | G | G D | Dense crown, average form. Minor deadwood. | - |
| No 37 | L - 4 | Silver Birch (<i>Betula pendula</i>) | 15 | MS 400 | Y | G | G D | One sided away from companions. Minor cavity on stem. | - |
| T38 | L - 4 | Lime | 15.5 | 450 | MA | G | G D | Dense low crown, average form. | - |
| T39 | L - 4 | Lime | 35.5 | 950 | M | F | D G | Very dense epicormic shoot growth and crown. Minor deadwood. | - |
| T40 | L - 4 | Lime | 15.5 | 400 | Y | F | D G | Etiolated form, low easterly crown | - |

| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|---|---------|---------|-----|-----|----------------------------|---|---|
| T41 | L - 4 | Lime (SW) of crossing. RTS | 30 | 1000 | M | F | D G | Wide fork at 10m, 4 leaders, heavy crown, deadwood. 4 brace system fitted. | - |
| T42 | L - 4 | Lime (next to 'No Entry' sign) | 16 | 900 | M | F | D/G NP | Dense crown. Basal cavity (S) wound wood ribbed edges. Previous CR. Deadwood present. | - |
| T43 | L - 4 | Lime (SW) of 'Stop' sign | 20 | 590 | M | F | D/G | Very dense crown. Some trunk bark splitting | - |
| T44 | L - 4 | Sycamore | 17 | 900 | M | F | D G NP FP JSPG | Heavily reduced in past. Fork at 3.5m, dense regrowth. | • RTS |
| T45 | L - 4 | Sycamore (close to stone-built boundary wall) | 12 | 950 | M | F | G NP FP JSPG | D1, dense low shoot growth (heavily crown reduced). Dense regrowth. Squirrel damaged, deadwood. Very close to boundary wall which has damage. Remove upper crown new re-sprouting growth back to recent reduction points. Cut lengths 3m, diameters 4cm | • CDW |
| T46 | L - 4 | Sycamore (east of gate) | 20 | 1000 | M | F | G PF D NP JSPG | Dense basal shoot growth. Clear basal shoots and ivy back to trunk to allow inspection 2024. | • Clear basal shoots and ivy May 2024 (To allow inspection June 2024) |
| T47 | L - 4 | Beech (overhanging junior school play area) | 20 | 700 | M | F | G PFP NP JSPG | D1, narrow form. Overhangs junior school play ground. | - |
| T48 | L - 4 | Sycamore | 15 | 1000 | M | F | G PFP NP JSPG | D1 previously pruned. Cavity at 6m (S) Tight fork. Overhangs JSPG play area. Very dense crown. Small deadwood. Recent branch loss. Clear basal shoots. | • Clear basal shoots back to trunk. |

| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|---|------------------|-----------------------|----------------------------|-----|-----------------------|---|--|
| G49 | L 4 | 5 x Beech | 19 | 700 950 | M | F | G PP NP JSPG | DI, forming a dense canopy, occasional tight fork configurations, grows across FP and play equipment within Junior school. | • RTS |
| G51 | M 3 | Horse Chestnut group x 3 not inspected closely | average 10-12 | Average 600 | M | F | G PP NP | Occasional bleeding canker, many have tight forks/history of branch loss. Recent crown reduction in order to maintain them at the reduced heights. Good re-growth | • Shorten southerly facing lower limbs up to half tree height by 3m, cut diameters 12-15cm. Prune back to live growth. |
| G52 | H 2 | Horse Chestnut group x 5 (1 small Lime) Slime flux exudation (E) tree. | 12 average | Average 500 200 | M & 1x young tree | F | G PP NP | Bleeding canker. Many have tight fork/history of branch loss. Previous crown reduction, in order to maintain them at the reduced heights. Recent loss of a diseased tree, now replaced with a Walnut. Crowns exposed to unaccustomed winds. | • CR back to recent CR positions about 1/3 tree height, cuts at 2-3 cm diameters • C1 + clear basal shoots for trunk inspection June 2024 |
| T53 | L 4 | Lime | 14 | 1100 | M | F | G P | Recently heavily reduced. Very tight and weak fork. Fork (E) 1.3-2.25m (no longer weeping). Minor deadwood within low major branch over pitch. Cable brace system fitted. | - |
| T54 | L 4 | Copper Beech | 14 | 1100 | M | F | G/P | Good form. Heavy crown overhangs netball fence and pitch surface. Basal damage to trunk area buttressing facing (W), about 25cm in height from GL & 45cm width exposing old heartwood with wounded buttressed edges. No signs of fungal fruit bodies. It has healthy foliage evenly distributed with no signs of deterioration. | - |
| T55 | L 4 | Small Horse Chestnut (Exit gate) | 12 | 450 | Y | F | D/G | Previous lost limbs, tight forks | - |
| T56 | L 4 | Horse Chestnut (next to road barrier) | 11 | 500 | Y | F | D/G | Previous lost limbs, minor deadwood. Tight forks | - |
| T57 | L 4 | Silver Birch | 15 | 500 | Y | F | D G | Very good form. | - |
| T58 | L 4 | Silver Maple | 16 | 750 | MA | F/P | D G B CP | Minor deadwood throughout canopy. | • RTS |

| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|--|---------|---------|-----|-----|-------------------|--|--|
| 58A | L 4 | Beech | 9 | 400 | Y | F | D G B CP | Recently reduced boundary specimen, good form. | • RTS |
| 58 B | L 4 | Tulip Tree | 16 | 450 | Y | F | G | Dense crown, good form. | - |
| 60 | | Missing | | | | | | | |
| T62 | L 4 | Yew (above Laurel/Yew/Sycamore) | 9.5 | 550? | M | G | G D NP | DI, good form, part of hedge | - |
| T64 | L 4 | Yew grows above hedge adjacent to Sycamore | 12 | 900 | M | F | G D NP | DI, not inspected, good specimen | • Clear vegetation/hedge, cut hedge to allow inspection of trees |
| T65 | L 4 | Yew grows above hedge adjacent to Sycamore and Beech | 12 | 900 | M | F | G D NP | DI, not inspected, good specimen | • Clear vegetation/hedge, cut hedge to allow inspection of trees |
| T66 | L 4 | Yew grows above hedge | 9 | 500 | M | F | G D NP | DI, not inspected, good specimen | • Clear vegetation/hedge, cut hedge to allow inspection of Yew trees |
| 68 | L 4 | Golden Cypress (left side of main building entrance) | 6 | 280 | M | F | G D | Attractive form | - |
| 69 | L 4 | Golden Cypress | 4 | 200 | M | F | G D | Attractive form | - |

| Tree Ref No. | Priority Category | Species | Hgt (m) | TD (mm) | Age | CON | RHT | Structural Condition & Observations | Recommendations |
|--------------|-------------------|---|---------|---------|----------|-----|--------------|---|---|
| 71 | | Missing | | | | | | | |
| 72 | L 4 | Geam | 14 | 500 | EM/ M | F | G D NP | Distorted trunk grows too close to wall | - |
| G73 | L 4 | Neighbours 2 x Evergreen Oak above Holly and Yew | 9 | 750 | M | F | G D NP | Not inspected | • RTS |
| G74 | L 4 | 2 x Sycamore growing on drive side (Opposite 300 building) Neighbouring Turkey Oak and Beech (not inspected) | 14 | 450? | EM | F | G D NP | The two Sycamore trees are SSS with dense crowns and form part of the old hedgerow. Neighbouring Turkey Oak and Beech not inspected. They are internal components of the same hedgerow. | • RTS |
| G76 | L 4 | Westerly end of hedge Laurel (W) side of shed. Aucuba, Hazel and Forsythia | 4.6 | 450 | M | F | - | Dense old 'Victorian' evergreen hedge, greatly overgrown and long overdue for pruning. | Possibly cut at 1.5m allow to re-sprout to be discussed with the grounds management team? |
| G77 | L 4 | Garden of Lodge Prunus (many) Apple | 9 | 400 | OM/ Y | P | - | Not inspected closely | |
| 79 | L 4 | Walnut | 12 | 500 | Y | F | - | Good form, wide spreading dense crown | |
| 80 | L 4 | Copper Beech | 15.5 | 400 | Y | F | - | Good form | |
| 81 | L 4 | Birch | 13 | 250 | Y | F | - | Average form | |



**ALAN J. ENGLE
AND ASSOCIATES**
Arboricultural Consultant
& Chartered Forester

**ALAN J. ENGLE
AND ASSOCIATES**
Guidott House, 205 Bailbrook Lane,
Bath, BA1 7AB
Tel: 01225 851200
email: alan@engleytrees.co.uk

Site: The Red Maids School TREE SAFETY SURVEY
Tree Numbers: TLP AJE/AF 29250Rev1 2023

NTS

JUNE 2023