

Arboricultural Appraisal Report

Safety and Condition Survey

Fortismere School
Tetherdown
London
N10 1NE



CLIENT:	Fortismere School
MWA REF:	TSTI220405-653
MWA CONSULTANT:	Andy Clark
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Bloxham Mill Business Centre
Barford Rd
Bloxham
Banbury
OX15 4FF

Unit 8, Stephenson House
Horsley Business Centre
Horsley
Newcastle upon Tyne
NE15 0NY

Tel: 0191 432 9560

Email: office@mwaarboriculture.co.uk

Arboricultural Appraisal Report

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Appendix I – Glossary of Terms

1.0 Introduction

- 1.1 This report has been commissioned by Fortismere School and the scope of the report reflects their instructions. The brief is to appraise trees within the curtilage of Fortismere School, N10 1NE, to assess foreseeable tree related risk to built structures, its occupiers and visitors, as well as the risks to neighbouring third parties from the subject trees.

2.0 Scope and Limitations

- 2.1 The property was visited over the 6th and 7th July 2022 to carry out the survey to evaluate the physiological and structural condition of the trees identifying potential health and safety risks, and conflicts in relation to built structures and access. Quantitative and qualitative data is presented in tabulated format with accompanying plans to show tree (and other vegetation) locations. Recommendations for remedial and future tree management are provided to allow the management of risk and for prudent and good arboricultural practice.
- 2.2 The dimensions of the trees are recorded and notes taken relating to the maturity, vitality and apparent tree works history.
- 2.3 The process used for evaluating tree condition is based on Visual Tree Assessment (VTA). In addition to this methodology, the three components of tree risk assessment proposed by Matheny and Clark (1994) are considered. These are the tree's failure potential, size of part and potential target together with conditions conducive to tree failure.
- 2.4 This report refers to the condition of the trees and an assessment of the site on the day that the survey was undertaken. The trees were assessed from ground level only.
- 2.5 Data provided by the testing / measuring equipment has been verified according to the equipment manufacturer's instructions.
- 2.6 No responsibility is assumed by MWA Arboriculture Ltd for legal matters that may arise from this report, and the consultant shall not be required to give testimony or to attend court unless subsequent contractual arrangements are made.
- 2.7 Any alteration or deletion from this report will invalidate it as a whole.
- 2.8 It is recommended that trees within falling distance of a highway and buildings, or regularly populated areas are inspected as recommended and after any extreme weather event e.g. winds in excess of 50mph.

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- 2.9 The report is valid only for typical weather conditions. Healthy trees or parts of healthy trees may fail in unusually high or unpredictable winds or violent storms and as the consequences of such weather phenomena are unforeseeable MWA Arboriculture Ltd cannot be held liable for any such failures.
- 2.10 The responsibility for any work undertaken on the surveyed trees rests with the owner/land manager. It is advised that before any work is undertaken the Local Authority is consulted with regard to the existence of statutory controls including Tree Preservation Orders, Conservation Area and planning restrictions.
- 2.11 Contractors appointed to carry out tree works should be appropriately qualified, experienced and insured.

3.0 Tree Location & Site Environment

- 3.1 The trees surveyed are all located in and around the building complex and communal areas of the grounds of the Fortismere School. Surrounding areas include parking areas, external communal grounds, pedestrian access/egress routes and vehicular access/egress routes and playgrounds. The school is split into two main sections, the north complex and the south complex.
- 3.2 As far as we are aware, no significant changes have been made to the immediate environment of the subject trees in the recent past. Should any changes to the site be made following the survey and within the recommended re-inspection timeframe, inspections should be repeated in order to take into account those site changes and assess the risk of any detrimental impact to the trees, either structurally or physiologically.

4.0 Appraisal

- 4.1 The site overall contains trees of varying ages between prominent fully mature specimens to more juvenile semi-mature more recent additions to the tree stock. The fully mature trees to the east and southern site boundaries form the most prominent presence on the site.
- 4.2 Most appear in Fair overall condition, however proactive management and maintenance of trees and trees groups appears to have lapsed in recent years and as such our survey has identified that extensive works are required to bring the tree stock up to an appropriate condition and effectively minimise the hazard potential that the trees on site pose to users of the site and adjacent third parties.
- 4.3 Full details of all observed defects are contained within the tree data tables in section 4.0 in tabulated format, along with appropriate works recommendations to mitigate the observed defects. In some cases this includes recommendations for complete removal.
- 4.4 Of particular note are the trees to the southern boundary of the playing field, trees T11 Maple, and T14 to T26. Several of these trees appear to be dying back from the branch tips – particularly those along the eastern section of the southern boundary. There appears to be no obvious signs of why the dieback is occurring, however it is evident that herbicide is being applied to an approx. 1.0m wide swath along the boundary fence to keep grass growth at bay. It is likely that the application of the herbicide is translocating into the trees, particularly the limes where low basal and epicormic growth is present, and inadvertently poisoning the trees. Recommendations are made to cease the application of herbicide along this boundary and instead control grass growth by strimming – taking care not to cause damage to the stem bases.
- 4.4 The assessment of threat from any tree focuses on three variables;
1. Tree condition (nature of defect)
 2. Likelihood of Failure (severity of defect)
 3. Target (consequences of failure)
- The above are influenced by the size and weight of the tree(s) and its limbs, the nature of the targets and frequency of use of target zones and the severity of damage/injury that is likely to result from a structural failure.
- 4.5 Re-inspections have been specified based on the ascertained level of risk as per the risk assessment outcomes. These can be supplemented with annual informal “walk-over” inspections to any specific trees where a shorter re-inspection timeframe has been specified, and to assess any individual unforeseen concerns that may have arisen since the preceding formal inspection.

- 4.6 Consideration may wish to be given to the scheduling of any follow-up inspections from spring/summer months to autumn/winter months, in order to observe trees in both their in-leaf and without leaf states.

5.0 Recommendations

- 5.1 Recommendations for tree works are detailed in section 6.0.
- 5.2 Tree works should be undertaken broadly in accordance with BS3998: 2010 and best practice relating to health and safety.
- 5.3 A site specific risk assessment should be carried out by contractors undertaking tree works prior to the commencement of works and any identified risks managed appropriately.
- 5.4 Re-inspection or further detailed assessment should be undertaken as per the recommendations made in this report.

6.0 Tree Details & Recommendations

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T1	Sycamore	17.5	740	11.0	Early Mature	Fence enveloped into main stem on E side. Basal shoots encroaching and not pavement. Deadwood in crown - minor. Lapsed sucker secondary stem emanating from W of main stem at GL. Low growth of secondary stem in contact with boundary fence. Lapsed self-seeded elder understorey.	Fair	High	Remove basal shoots. Remove understorey elder. Crown lift secondary stem to 3.0m – removing lower branches completely in contact with fence.	3 Months	1 Year
T2	Birch	16.5	450	8.0	Semi Mature	Low growth over access road. Ivy growth to main stem - obstructed view of stem condition.	Fair	Medium	Crown lift to 4.5m (remove branches at source, do not cut to stumps) Remove Ivy and reinspect.	3 Months	6 Months
T3	Cherry	3.5	140	6.5	Semi Mature	Low growth over adjacent parking bays. Minor deadwood throughout.	Fair	Medium	Crown lift to 2.5m over parking bays.	3 Months	2 Years
T4	Cherry	3.5	140	6.5	Semi Mature	Low growth over adjacent parking bays. Minor deadwood throughout.	Fair	Medium	Crown lift to 2.5m over parking bays.	3 Months	2 Years
T5	Cherry	3.5	140	6.5	Semi Mature	Low growth over adjacent footpath and parking bays. Minor deadwood throughout. Tree-tie in situ at base of stem.	Fair	Medium	Crown lift to 2.5m over parking bays. Remove tree tie.	3 Months	2 Years

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T6	Cherry	13.5	790	11.0	Mature	Sparse crown with minor dieback in upper crown. Suppressed asymmetrical crown growth habit with weight bias to E. 2x large phototrophic co-dominant stems emanating at approx. 2.0m to E side of stem. Large decaying old pruning wound to N side of stem at approx. 1.5m just below co-dominant stem union. Target canker to SE side of main stem from approx. 2.5m to 3.5m, with further canker to underside of phototrophic stem at 3.0m. Exposed surface roots with decay and canker from historic wounding - likely old mower damage.	Fair	High	Remove deadwood. Monitor rate of dieback through regular inspection.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T7	Oak	18.0	890	13.5	Mature	Major historic wounding to upper main stem - appears to have previously lost leader to storm damage main stem terminates at approx. 9.0m with decay column down to approx.3.5m. Tree appears previously pollarded at 9.0 height by 6.0 spread and since crown reduced to a lesser extent - decay evident at past pollard points. Minor deadwood in crown. Epicormic growth to main stem.	Fair	High	Remove epicormic growth to first major limb (approx. 4.5m). Remove deadwood.	3 Months	1 Year
T8	Oak	15.5	750	13.5	Mature	Ivy growth throughout - no view of stem or limb condition.	Fair	High	Remove Ivy and re-inspect.	3 Months	6 Months
T9	Cherry	3.5	70	6.5	Young	Stake and tie still in situ. Memorial tree. No significant defects observed.	Fair	Medium	Remove stake and tie.	3 Months	2 Years
T10	Cherry	8.5	510	8.0	Mature	Memorial tree - planted 1981. Sparse upper crown. Previously crown reduced with minimal regrowth from reduction points. Major decay to root buttresses and exposed surface roots to NW and SW sides of stem.	Fair	High	Remove (fell) to near ground level and grind out stump to negate trip hazard. Re-plant.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T11	Sycamore	16.5	700	7.5	Mature	Twin stemmed from approx. 3.5m Sparse crown with dieback evident throughout - with epicormic growth to lower crown - tree is retrenching. Previously crown reduced with minimal regrowth from reduction points. Multiple past reduction points dead throughout. Tree appears in decline - possible root damage/compaction from adjacent recently installed 3p driveway.	Poor	High	Remove (fell) to near ground level and grind out stump to negate trip hazard.	3 Months	1 Year
T12	Purple Leaved Plum	8.5	290	7.5	Early Mature	Minor decay to NE side of main stem at approx. 1.0 and 1.5m from historic wounding - exposed decaying heartwood with good wound wood formation. Included bark compression unions and stem to stem contact throughout - typical of species. Sharp broken branch spur to S side of crown at head height. Low crown growth.	Fair	Medium	Crown lift to leave 2.5m clearance. Remove broken branch spurs.	3 Months	2 Years

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T13	Field Maple	9.0	290	8.0	Semi Mature	Low crown growth. No other significant defects observed.	Good	Medium	Crown lift to leave 2.5m clearance.	3 Months	2 Years
T14	Lime	16.0	660	14.5	Early Mature	Deadwood and dieback throughout - tree appears in decline. No obvious signs to explain dieback Girdling root to S side of stem base. Low crown growth/epicormic over adjacent footpath.	Fair	High	Remove deadwood. Crown lift to leave 4.0m clear stem. Cease application of herbicide throughout area.	3 Months	1 Year
T15	Lime	14.5	500	12.5	Early Mature	Deadwood and dieback throughout - tree appears in decline. No obvious signs to explain dieback Basal shoots/epicormic growth encroaching over adjacent footpath.	Fair	High	Remove deadwood. Remove basal shoots and epicormic growth to leave 4.0m clear stem. Cease application of herbicide throughout area.	3 Months	1 Year
T16	Rowan	5.5	60	3.5	Semi Mature	Multi stemmed from GL with decay at stem unions - likely regrowth from stump of previously felled tree. Low growth encroaching over adjacent footpath.	Fair	Medium	Remove (fell) to near ground level and grind out stump to negate trip hazard.	3 Months	2 Years

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T17	Lime	16.0	520	12.5	Early Mature	Deadwood and dieback throughout - tree appears in decline. No obvious signs to explain dieback Basal shoots/epicormic growth encroaching over adjacent footpath. Ivy growth to main stem - obstructed view of stem condition.	Fair	High	Remove deadwood. Remove basal shoots and epicormic growth to leave 4.0m clear stem. Remove ivy. Re-inspect. Cease application of herbicide throughout area.	3 Months	6 Months
T18	Lime	15.0	490	12.5	Early Mature	Deadwood and dieback throughout - tree appears in decline. No obvious signs to explain dieback. Epicormic growth encroaching over adjacent footpath. Small open decay cavity to N side of stem at GL - ART reveals decaying stem base to approx. 0.5m.	Poor	High	Remove (fell) to near ground level and grind out stump to negate trip hazard. Cease application of herbicide throughout area.	3 Months	1 Year
T19	Maple	9.0	250	5.5	Semi Mature	Suppressed misshapen crown growth habit with weight bias to S. Sparse crown with dieback at branch tips.	Poor	Medium	Remove deadwood. Crown reduce by up to 2.0m to re-shape and balance crown. Cease application of herbicide throughout area.	3 Months	2 Years

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T20	Lime	16.0	480	13.5	Early Mature	Deadwood and dieback throughout - tree appears in decline. No obvious signs to explain dieback Basal shoots/epicormic growth encroaching over adjacent footpath. Sporadic bark loss /delamination to W side of stem from GL to approx. 1.5m - bootlace mycelium visible below flaking bark. Honey fungus.	Fair	High	Remove (fell) to near ground level and grind out stump to negate trip hazard.	3 Months	1 Year
T21	Lime	15.0	490	12.5	Early Mature	Deadwood and dieback throughout - tree appears in decline. No obvious signs to explain dieback. Epicormic growth encroaching over adjacent footpath.	Fair	High	Remove deadwood. Remove basal and epicormic growth to leave 4.0m clear stem. Cease application of herbicide throughout area.	3 Months	1 Year
T22	Lime	16.0	480	12.5	Early Mature	Deadwood and dieback throughout - tree appears in decline. No obvious signs to explain dieback. Epicormic growth encroaching over adjacent footpath.	Fair	High	Remove deadwood. Remove basal and epicormic growth to leave 4.0m clear stem. Cease application of herbicide throughout area.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T23	Lime	14.5	370	12.5	Early Mature	Deadwood and dieback throughout - tree appears in decline although to a lesser extent. No obvious signs to explain dieback. Epicormic growth encroaching over adjacent footpath.	Fair	High	Remove deadwood. Remove basal and epicormic growth to leave 4.0m clear stem. Cease application of herbicide throughout area.	3 Months	1 Year
T24	Lime	15.0	460	12.5	Early Mature	Deadwood and dieback throughout - tree appears in decline although to a lesser extent than others. No obvious signs to explain dieback. Ivy growth to main stem. Epicormic growth encroaching over adjacent footpath.	Fair	High	Remove deadwood. Remove ivy and do not allow to re-establish. Remove basal and epicormic growth to leave 4.0m clear stem. Cease application of herbicide throughout area.	3 Months	1 Year
T25	Lime	15.0	460	12.5	Early Mature	Minor deadwood throughout crown. Basal shoots and epicormic growth encroaching over adjacent footpath. Low crown growth over adjacent highway.	Fair	High	Remove deadwood. Remove basal and epicormic growth to leave 4.0m clear stem. Crown lift over highway to leave 5.5m clearance. Cease application of herbicide throughout area.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T26	Sycamore	15.0	390	8.5	Semi Mature	Ivy to main stem - obstructed view of stem. Basal shoots. Suppressed misshapen crown growth habit with weight bias to SW. Deadwood in crown.	Fair	Medium	Remove deadwood. Remove basal shoots. Remove ivy and reinspect. Cease application of herbicide throughout area.	3 Months	6 Months
T27	Oak	18.5	700	13.5	Mature	Large diameter deadwood in crown. Rooting adjacent to concrete slab. No other significant defects observed.	Fair	High	Remove deadwood from throughout crown.	3 Months	1 Year
T28	Oak	18.5	520	10.0	Mature	Large diameter deadwood in crown. Sparse upper crown with epicormic growth to main stem - tree appears in early stages of retrenchment.	Fair	High	Remove deadwood from throughout crown.	3 Months	1 Year
T29	Oak	16.5	690	10.0	Mature	Large diameter deadwood in crown. Low crown growth. Epicormic growth to main stem.	Fair	High	Remove deadwood from throughout crown. Remove epicormic growth to leave 4.0m clear stem.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T30	Oak	6.0	600	0.0	Dead	Monolith dead stump. Bark delamination.	Dead	High	Remove scrub understorey from around stem base and maintain 2.0m clearance to facilitate future inspections.	3 Months	1 Year
T31	Oak	19.5	780	18.0	Mature	Moderate deadwood throughout crown. Minor dieback evident in upper crown to NW side.	Fair	High	Remove deadwood from throughout crown.	3 Months	1 Year
T32	Oak	1.5	780	11.5	Mature	Moderate deadwood throughout crown. Minor dieback evident in upper crown. Low crown growth causing damage to boundary fence.	Fair	High	Remove deadwood from throughout crown. Remove low branches to top of fence (approx. 5.5m clear stem)	3 Months	1 Year
T33	Dawn Redwood	14.5	350	6.0	Semi Mature	Tree in decline - approx. 75% crown dead.	Poor	Medium	Remove (fell) to near ground level and grind out stump to negate trip hazard.	3 Months	2 Years
T34	Dawn Redwood	15.0	470	7.0	Semi Mature	Low crown growth in contact with adjacent fence. Deadwood in crown. Suppressed asymmetrical crown growth habit with weight bias to NSEW.	Fair	High	Remove deadwood. Crown lift to leave 4.0m clear stem.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T35	Cherry	13.5	410	8.5	Early Mature	Yellowing chlorotic leaves. Large wound to stem at approx. 1.0m - decaying heartwood visible with good woundwood formation. Low crown growth. Multiple included bark compression unions at main stem fork cluster / typical of species. Exposed surface roots with mower damage. Multiple past poor pruning stumps.	Fair	High	Crown lift to leave 3.0m clearance. Remove past poor-pruning stumps.	3 Months	1 Year
T36	Ash	10.5	230	7.0	Semi Mature	No significant defects observed.	Fair	Medium	No works required.	No Action	2 Years
T37	Lime	10.0	250	6.0	Semi Mature	Low crown growth. No other significant defects observed.	Fair	Medium	Crown lift to leave 3.0m.	3 Months	2 Years
T38	Bird Cherry	10.5	290	6.5	Semi Mature	Previously crown reduced. Branch tips in close proximity to building.	Fair	Medium	No works required.	No Action	2 Years
T39	Bird Cherry	10.5	270	6.0	Dead	Dead tree.	Dead	High	Remove (fell) to near ground level and grind out stump to negate trip hazard.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T40	Pine	16.5	660	9.0	Mature	Deadwood throughout crown. Sporadic patches of dead needles in upper crown - possibly RBNB. Minor stem lean with asymmetrical crown growth habit - weight bias towards road to W. Minor ivy growth to stem base.	Fair	High	Remove deadwood. Remove ivy from around stem base and do not allow to re-establish.	3 Months	1 Year
T41	Lime	18.5	650	9.5	Mature	Prolific basal shoots and epicormic growth to main stem - no view of lower stem. Appears previously pollarded at approx. 4.5m. Minor deadwood in crown. Recent branch removal over house garden - poor pruning stump.	Fair	High	Remove basal shoots and epicormic growth to leave 6.0m clear main stem. Remove deadwood. Remove poor pruning stumps.	3 Months	1 Year
T42	Cherry Plum	8.0	250	8.0	Early Mature	Leaning stem growth habit - possibly historical partial collapse. Evidence of past limb failure with broken branches laying under tree. Heavy overhang of adjacent public footpath with fruit fall onto pavement (slip hazard). Ivy growth throughout - obstructs view of stem condition.	Poor	High	Remove (fell) to near ground level and treat stump to inhibit regrowth.	3 Months	1 Year

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6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T43	Lime	18.5	600	10.5	Mature	Ivy growth and Prolific basal shoots / epicormic growth to main stem - no view of lower stem. Appears previously pollarded at approx. 5.5m.	Fair	High	Remove ivy, basal shoots and epicormic growth to leave 6.0m clear main stem. Remove deadwood.	3 Months	1 Year
T44	Lime	18.5	650	9.5	Mature	Prolific basal shoots and epicormic growth to main stem - no view of lower stem. Appears previously pollarded at approx. 5.5m. Minor deadwood in crown. Dislodged deadwood hung-up over pedestrian area. Recent branch removal over garden - poor pruning stumps.	Fair	High	Remove basal shoots and epicormic growth to leave 6.0m clear main stem. Remove deadwood. Remove poor pruning stumps.	3 Months	1 Year
T45	Lime	18.5	600	10.5	Mature	Ivy growth and Prolific basal shoots / epicormic growth to main stem - no view of lower stem. Deadwood in crown. Appears previously pollarded at approx. 5.5m.	Fair	High	Remove ivy, basal shoots and epicormic growth to leave 6.0m clear main stem. Remove deadwood.	3 Months	1 Year
T46	Cherry	3.5	140	6.5	Semi Mature	Low growth over adjacent parking bays. Minor deadwood throughout. Stake and tie still in situ.	Fair	Medium	Crown lift to 2.5m over parking bays. Remove stake and tie.	3 Months	2 Years

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T47	Cherry	3.5	140	6.5	Semi Mature	Minor deadwood throughout. Stake and tie still in situ.	Fair	Medium	Remove stake and tie.	3 Months	2 Years
T48	Cherry	3.5	140	6.5	Semi Mature	Low growth over adjacent parking bays. Minor deadwood throughout.	Fair	Medium	Crown lift to 2.5m over parking bays.	3 Months	2 Years
T49	Cherry	3.5	140	6.5	Semi Mature	Low growth over adjacent parking bays. Minor deadwood throughout.	Fair	Medium	Crown lift to 2.5m over parking bays.	3 Months	2 Years
T50	Cherry	2.5	40	3.5	Semi Mature	Minor deadwood throughout.	Fair	Medium	No works required.	N/A	2 Years
T51	Ash	19.5	800	18.5	Mature	Ivy colonised main stem and scaffold limb structure - obstructed view of stem condition. Large fully mature tree adjacent to road.	Fair	High	Remove ivy and re-inspect.	3 Months	6 Months
T52	Hawthorn	6.5	160	5.0	Semi Mature	Suppressed misshapen stem growth habit. Low crown growth.		Medium	Crown lift to 3.0m	3 Months	2 Years
T53	Not identified	5.0	260	1.5	Semi Mature	Ivy covered stump.	Fair	Medium	Remove (fell) to ground level and treat stump to inhibit regrowth.	3 Months	2 Years

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T54	Oak	16.5	710	12.5	Mature	Recently crown reduced - prolific epicormic growth throughout crown. Deadwood throughout crown. Suppressed Hawthorn, ash and hornbeam understorey.	Fair	High	Crown clean to remove deadwood, crossing, rubbing branches and otherwise poor growth. Remove suppressed understorey growth.	3 Months	1 Year
T55	Oak	15.0	590	9.5	Mature	Recently crown reduced - prolific epicormic growth throughout crown. Multiple past poor pruning stumps throughout. Leaning stem growth habit with weight bias to NSEW. Open decay cavity to NSEW side of stem from GL to approx. 0.5m with good woundwood formation. ART suggests minimal decay progression. Deadwood throughout crown. Suppressed Hawthorn understorey. Early Ivy colonisation of lower stem.	Fair	High	Crown clean to remove deadwood, crossing, rubbing branches and otherwise poor growth. Remove ivy and do not allow to re-establish. Crown lift to leave 4.0m clear stem. Remove suppressed understorey growth.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T56	Oak	16.0	590	11.0	Mature	Recently crown reduced - prolific epicormic growth throughout crown. Multiple past poor pruning stumps throughout. Leaning habit with weight bias to W. Minor deadwood throughout crown. Suppressed Holly, hornbeam, yew and elder understorey. Ivy colonisation of lower stem to approx. 3.0m.	Fair	High	Crown clean to remove deadwood, crossing, rubbing branches and otherwise poor growth. Remove ivy and do not allow to re-establish. Remove suppressed understorey growth. Re-inspect.	3 Months	6 Months
T57	Magnolia	8.5	250	5.0	Early Mature	Heavily crown lifted to clear building. Twin stemmed from 1.0m - included bark compression fork with poor rib formation and wetwood exudates.	Fair	High	Remove (fell) to ground level and grind out stump to negate trip hazard.	3 Months	1 Year
T58	Birch	12.0	370	8.5	Early Mature	Sparse upper crown. Suppressed asymmetrical crown growth habit with weight bias to N. Low crown growth over adjacent footpath. Minor deadwood. Growing on slope with exposed surface roots around RPA.	Fair	High	Remove (fell) to ground level and treat stump to inhibit regrowth.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T59	Cherry	5.5	280	6.0	Early Mature	Lapsed epicormic growth to main stem. Low crown growth.	Fair	Medium	Remove lapsed epicormic growth to leave 2.0m clear stem.	3 Months	2 Years
T60	Oak	17.5	660	12.5	Early Mature	Ivy colonisation to main stem - obstructed view of stem condition. Minor deadwood in crown. Suppressed asymmetrical crown growth habit with weight bias to N - crown mostly overhangs adjacent highway. Epicormic growth to main stem.	Fair	High	Remove ivy. Remove epicormic growth to first main limb to leave approx. 4.0m clear stem. Re-inspect.	3 Months	6 Months
T61	Oak	18.0	660	14.5	Early Mature	Twin stemmed from approx. 3.0m. Suppressed asymmetrical crown growth habit with weight bias to NE - mutual suppression with T60. Minor deadwood in crown. Lapsed epicormic growth to main stem. Causing significant disruption to surrounding paving - trip hazard.	Fair	High	Remove deadwood. Remove epicormic growth to first main limb to leave approx. 5.0m clear stem.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T62	Oak	18.0	600	15.0	Early Mature	Historically twin stemmed from GL - second stem removed with decay evident at cut. Suppressed asymmetrical crown growth habit with weight bias to NW - mutual suppression with T61. Minor deadwood in crown. Lapsed epicormic growth to main stem. Tree stands in nursery play area. Cable conduit attached to main stem.	Fair	High	Remove deadwood. Remove epicormic growth to first main limb to leave approx. 6.0m clear stem.	3 Months	1 Year
T63	Oak	18.0	720	16.5	Early Mature	Leaning stem and suppressed asymmetrical crown growth habit with weight bias to NW - mutual suppression with T62. Deadwood in crown. Lapsed epicormic growth to main stem. Electricity cable suspended below crown. Tree stands in nursery play area.	Fair	High	Remove deadwood. Remove epicormic growth to first main limb to leave approx. 5.0m clear stem. Lateral crown reduction of NSEW side of up to 3.0m to reshape and balance crown.	3 Months	1 Year
T64	Cherry	5.5	250	9.5	Semi Mature	Suppressed misshapen crown growth habit due to Oak T63 with weight bias to W - poor form. Tree stands in nursery play area.	Fair	High	Remove (fell) to ground level and grind out stump to negate trip hazard.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
T65	Cherry	9.5	210	6.5	Semi Mature	Suppressed misshapen crown growth habit due to Oak T62 with weight bias to SE - poor form. Dead stem to N side of crown. Minor epicormic growth from stem base. Tree stands in nursery play area.	Fair	High	Remove (fell) to ground level and grind out stump to negate trip hazard.	3 Months	1 Year
T66	Bird Cherry	11.0	290	8.0	Semi Mature	Sparse crown with dieback throughout - tree in decline. Leaning stem growth habit with weight bias to E. Lapsed epicormic growth from stem base. Tree stands in nursery play area.	Poor	High	Remove (fell) to ground level and grind out stump to negate trip hazard.	3 Months	1 Year
T67	Maple	13.5	350	9.0	Semi Mature	Bark loss throughout crown. Upper crown dieback - tree is retrenching. Exposed surface roots with mower damage. Tree generally in decline.	Poor	Medium	Remove (fell) to ground level and grind out stump to negate trip hazard.	3 Months	2 Years
T68	Olive	4.5	120	6.0	Semi Mature	Low crown growth. Poor pruning stumps throughout.	Fair	Medium	Crown lift to leave 2.0m clearance. Remove past poor-pruning stumps.	6 Months	2 Years
T69	Birch	11.0	230	5.0	Semi Mature	Low crown growth. No other significant defects observed.	Fair	Medium	Crown lift to leave 3.5m clear stem.	6 Months	2 Years

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
TG1	Walnut Goat Willow Buddleia Oak Birch	11.0	360	10.0	Semi Mature	Lapsed self-sown scrub growth in derelict swimming pool complex. Japanese knotweed growth to E end of complex.	Fair	Medium	Remove (fell) scrub growth to ground level and treat stumps to inhibit regrowth. Appropriate treatment of Japanese Knotweed growth to eradicate infestation.	3 Months	2 Years
TG2	Elder Pear	7.5	350	6.0	Semi Mature	Lapsed self-seeded trees in close proximity to building. Pear with significant lean to S with stem in contact with adjacent 3P roof structure.	Fair	Medium	Remove (fell) to ground level and treat stumps to inhibit regrowth	3 Months	2 Years
TG3	Sycamore	13.5	400	8.0	Semi Mature	Boundary group with several stems in contact with boundary fence. Ivy growth to main stems - obstructed view of stem and limb condition. Lapsed low scrub growth understorey.	Fair	Medium	Remove scrub understorey. Crown lift main trees to leave 3.0m clear stem. Remove ivy. Re-inspect.	3 Months	6 Months
TG4	Sycamore Lime Willow Hornbeam	17.0	550	11.0	Semi Mature	Boundary group of sporadic semi mature trees with bramble and scrub understorey and ivy throughout - limited view to assess tree condition. Causing damage to fence in multiple locations.	Fair	High	Remove all scrub, self-sown saplings and ivy back to fence line to clear understorey. Re-inspect mature trees once cleared.	3 Months	1 Year

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
TG5	Poplar Turkish Hazel Cherry Ash Lime	10.0	350	9.0	Semi Mature	Group of semi mature trees with seating installed around base of Poplar, 1x Lime and 1x Ash. Seating in contact with tree stems. Poplar with significantly decayed surface roots and deadwood throughout crown. 1x Ash to N end of group with large open wound to NE side of stem at approx. 1.0m. Low crown growth in contact with adjacent fence.	Fair	Medium	Remove 1x Ash and 1x Poplar and grind out stumps to negate trip hazard. Crown lift trees to E side of group to clear fence.	3 Months	2 Years
TG6	Lime Poplar Ash	10.0	350	9.0	Semi Mature	Group of semi mature trees with seating installed around base of Poplar and 1x Ash. Seating in contact with tree stems. Poplar with significantly decayed surface roots and deadwood throughout crown. 1x Ash to S end of group with large open wound to side of stem from approx. 0.3m to 1.2m.	Fair	Medium	Remove 1x Ash and 1x Poplar and grind out stumps to negate trip hazard. Crown lift remaining trees to leave 3.0m clearance.	3 Months	2 Years

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
TG7	Turkish Hazel Cherry Cypress Rowan	10.0	380	9.0	Semi Mature	2x Cherry both with exposed surface roots – 1 with extensive decay to root structure with leaning asymmetrical habit. Included bark compression fork to main union of Turkish Hazel at approx. 2.5m. Cherry to northern section of group with branches in contact with building. Moderate decay to stem base of Rowan.	Fair	Medium	Remove fell 2x Cherry and 1x Rowan and grind out stumps to negate trip hazard. Grind out Cherry surface roots. Re-plant with appropriate species.	3 Months	2 Years
TG8	Whitebeam	10.5	370	7.5	Semi Mature	3x stems southernmost tree with sparse crown and fungal brackets to N side of stem base. Stepped cracking evident in adjacent building - trees appear to be causing building subsidence.	Fair	High	Remove (fell) to near ground level and treat stumps to inhibit regrowth.	3 Months	1 Year
TG9	Ash Sycamore Lime	14.5	400	6.5	Semi Mature	Low growth and lapsed basal shoots/epicormic growth. Significant ivy growth to multiple stems - obstructed view of stem condition.	Fair	Medium	Remove Ivy. Remove all basal shoots and epicormic growth to leave 5.0m clear stem. Re-inspect.	3 Months	6 Months

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
TG10	Sycamore Hornbeam Hawthorn Oak	17.0	550	12.5	Semi Mature	Lapsed land-locked group area fenced off adjacent to car park. Trees with overhanging tired party gardens - multiple trees cut back by third party with debris disposed throughout group area. Ivy colonisation to multiple trees. Low growth encroaching over car park. Low growth causing damage to fence.	Fair	High	Remove scrub and dumped debris from throughout group area. Remove Ivy from larger trees. Remove deadwood from larger trees. Crown lift all trees to fence height - approx. 3.0m. Re-inspect.	3 Months	1 Year
TG11	Laburnum Yew Goat Willow Almond	5.5	220	8.0	Semi Mature	Lapsed ornamental area with lapsed overgrown shrub understorey. Low crown growth and building encroachment throughout.	Fair	Medium	Remove (fell) Yew, Buddleia, Goat Willow and Laburnum to near ground level and grind out stumps to negate trip hazard. Remove Ivy and deadwood from throughout Almond. Coppice lapsed deciduous shrubs and maintain as part of routine GM.	6 Months	2 Years
TG12	Buddleia Goat Willow Sycamore	12.0	300	11.0	Semi Mature	Lapsed scrub area of mostly pioneer growth. Growing on retaining wall - direct damage risk. Growth in contact with roof structure. Causing damage to fence. Inappropriate location for growth to establish.	Fair	Medium	Remove (fell) all to near ground level and treat stumps to inhibit regrowth.	6 Months	2 Years

Property: Fortismere School,
Tetherdown,
London,
N10 1NE

MWA Ref:

TST1220405-653

6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
TG13	False Acacia Cherry Oak Sycamore Yew Holly Goat Willow	18.0	800	15.2	Early Mature	Lapsed mostly Oak woodland with mixed scrub understorey. Ivy growth throughout larger trees - obstructed view to assess condition. Deadwood and dead trees throughout. Growth in contact with building roofs to E side of group. Overhangs 3P residential gardens to W. Seating area in S section of woodland.	Fair	High	Strim area and remove scrub growth below 70mm DBH. Remove deadwood and Ivy from throughout larger trees. Remove branches in contact with building roofs to E. Re-inspect. Woodland management plan required.	3 Months	6 Months.
TG14	Holly Hawthorn Goat Willow Birch Hazel Field Maple Beech Oak Rowan	14.0	400	14.5	Semi Mature	Lapsed hedgerow with sporadic larger specimen trees. 2x Rowan growing on embankment - 1x partially collapsed and 1x with leaning stem growth habit with decay at stem base (mower damage). Low growth encroachment into pavement.	Fair	Medium	Reduce hedge species to 1.5m by 0.5m spread to restore to suitable management. Crown lift individual larger trees to 4.0m. Fell Goat Willow stems and treat stumps to inhibit regrowth. Fell 2x Rowan and grub out stumps. Remove ivy, deadwood and poor pruning stumps from oak and crown lift to 4.0m.	3 Months	2 Years
TG15	Birch	9.5	160	4.5	Semi Mature	6x birch with understorey shrubs. All swamped with lapsed climber growth - obstructed view to assess condition.	Fair	Medium	Remove climber growth and do not allow to re-establish. Re-inspect.	3 Months	6 Months

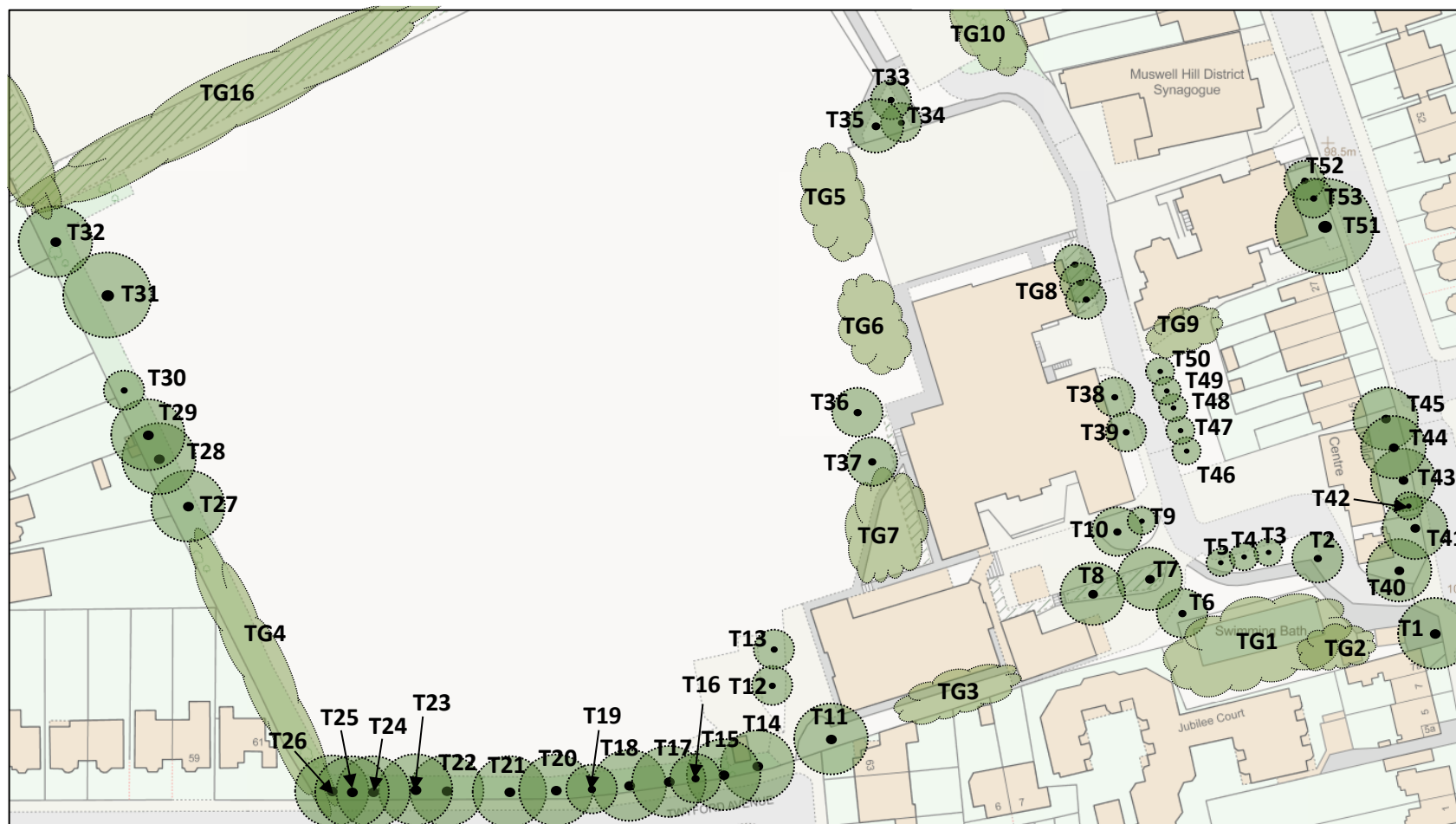
6.0 Tree Details & Recommendations (contd.)

Ref	Species	Height (m)	DBH (mm)	Crown Spread (m)	Life Stage	Survey Notes	Condition	Risk Level	Works Recommendation	Works Timescale	Inspect Period
TG16	Field Maple Cherry Willow Ash Oak Poplar	15.0	400	11.0	Semi Mature	Lapsed tree line growing on embankment - dense scrub understorey. Land locked between field fence and sports centre. Inappropriate location for growth to establish. No access to a inspect larger specimen trees. Poplar to E end of group adjacent to car park recently heavily crown reduced.	Fair	Medium	Strim area and clear all scrub understorey below 70mm dia. Re-inspect.	3 Months	6 Months

7.0 SITE PLANS



North section of site



South section of site

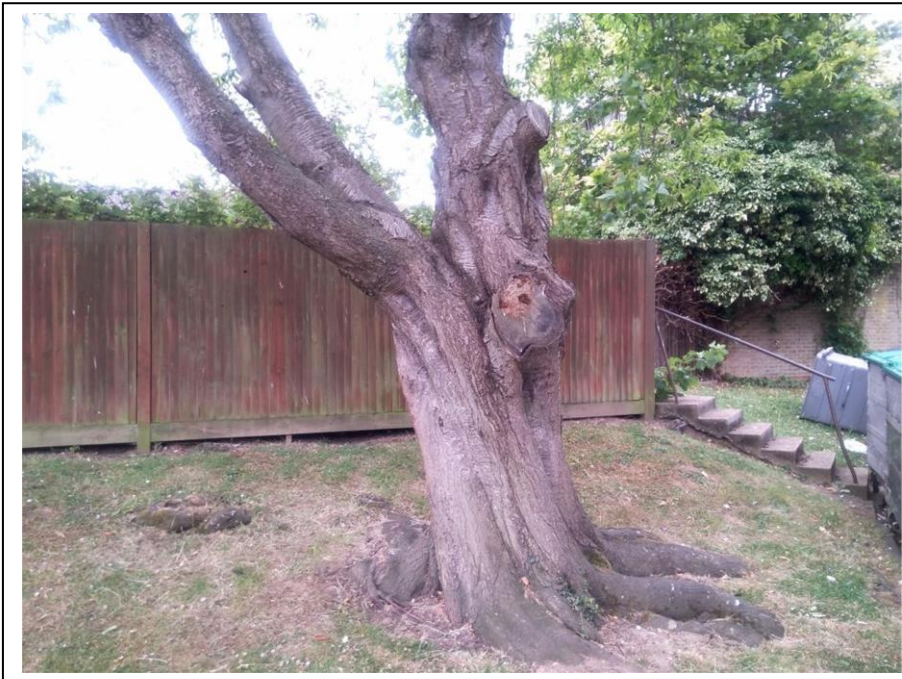
8.0 EXAMPLE IMAGES



View of T1 Sycamore – fence enveloped by stem growth with basal shoots over footpath



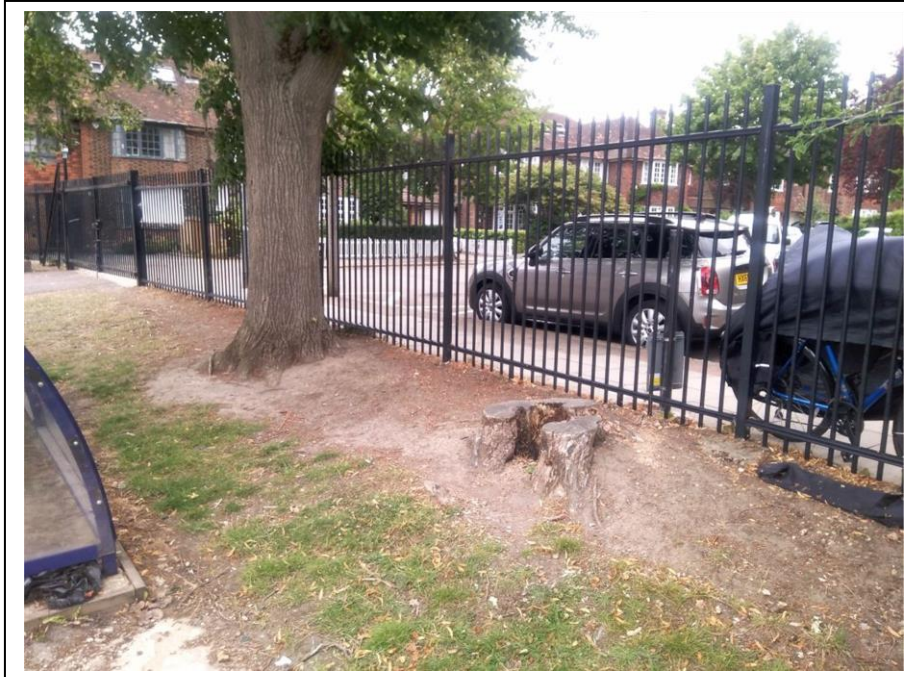
View of T2 Birch



View of T6 Cherry



View of T8 Oak – extensive Ivy growth to main stem obstructs view of stem condition



View of T14 Lime – herbicide application around stem base



Examples of Limes to southern boundary – dieback in upper crown [suspected to be due to herbicide poisoning]



View of Oaks T27, T28 and T29



View of trees in TG16 – dense scrub understorey obstructs access to inspect



Example of trees in TG13 woodland area – deadwood and ivy throughout larger trees



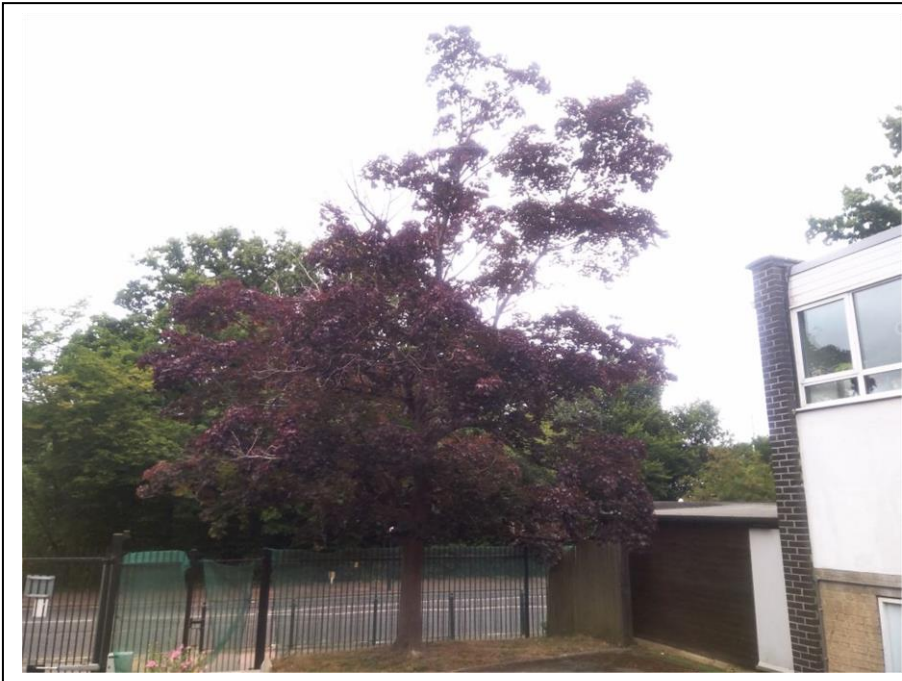
Example of trees in TG13 woodland area –large ivy clad trees adjacent to boundary with 3P land



View of TG11 – lapsed shrub/scrub understorey in contact with building



View of TG11 – Yew in contact with building



View of T67 Maple – bark loss and dieback in upper crown



View of T58 Birch - dieback in upper crown



View of T39 – dead Bird Cherry



View of T51 Ash - extensive Ivy growth to main stem obstructs view of stem condition

Appendix I

Glossary of Terms

Crown Reduction

Crown reduction is used to reduce the height and/or spread of the crown of a tree by the removal of the ends of branches whilst maintaining the tree's natural shape as far as practicable.

Crown Lift (or Crown Raise)

Crown lifting is the removal of the lowest branches and preparing of lower branches for future removal. Good practice dictates crown lifting should not normally include the removal of large branches growing directly from the trunk as this causes large wounds which may jeopardise the long term future of the tree. Common reasons for crown lifting are to bring more light and give access for traffic. In the UK common practice dictates clearance for vehicles is 5.2 metres (17 feet), and for pedestrians 2.5 m (8 feet).

Co-dominant stems

See forked growth.

Conservation Area

The designation given to an area by a Local Planning Authority (LPA) which requires, amongst other things, six weeks advance notice to be given to the LPA prior to certain tree works. In other words, most works to most trees within a Conservation Area must not be undertaken without notifying the LPA in writing six weeks in advance. Failure to do so may be a criminal offence.

Coppicing

The cutting down of a tree within 300 mm (12 in) of the ground at regular intervals (typically on a one to five year rotation). Traditionally applied to certain species such as Hazel and Sweet Chestnut to provide stakes etc.

Crown

The section of the tree formed by its branches and usually starting above its stem.

Dead, Dying Dangerous or a Nuisance

The catch-all phrase describing the conditions of trees to which protection afforded by Tree Preservation Orders or Conservation Areas does not apply. Legal definitions are the subject of much debate and post April 2012 changes to TPO regulations removes the 'dying' element completely.

Decline

When a tree exhibits signs of a lack of vigour and progressing towards its death.

Dieback

Tips of branches exhibit no signs of life. As decline progresses so more branches are affected and to a greater extent.

Dormant

The inactive condition of a tree, usually during the coldest months of the year when there is little or no growth and leaves of deciduous trees have been shed.

Forked growth (Co-dominant stems)

The development of two or more leading shoots of roughly equal size and vigour competing with each other for dominance.

Fungi/Fruiting bodies

Any spore-bearing structure on a stalk (like a toadstool) or attached directly to the tree (a 'bracket' fungus). Note: some are harmful (cause disease - pathogenic), some are harmless (living on material already dead - saprophytic) and some are beneficial (symbiotic).

Pathogenic

Disease inducing - usually referring to fungal fruiting bodies.

Pollard

A frequently misunderstood term, and used in two different contexts. Traditionally and still commonly used this term describes the removal of all branches from the trunk. Mature trees that have not been pollarded before are generally not suitable candidates for pollarding due to the large wounds that such treatment produces which may jeopardise the long term future of the tree. A less frequently used definition can mean the regular (annual or biannual) pruning back of small branches to the same point resulting in the formation of a 'pollard head'. Pollarded trees usually require regular treatment of re-growth.

Crown cleaning

A management option for neglected trees where crowns are excessively dense with deadwood, epicormic growth and numerous diseased, crossing and weakened limbs; particularly useful for neglected lime trees where cleaning of the crown can restore the tree and prevent premature decline.

Root pruning

The pruning back of root (similar to the pruning back of branches). This has the ability to affect tree stability so it is advisable to seek professional advice prior to attempting root pruning.

Tree Preservation Order (TPO)

Statutory protection applied to a tree or trees meaning that most works to most trees covered by a TPO must not be undertaken without the prior written consent of the LA. Failure to do so may be a criminal offence.