Coulsdon Area Farm
off Lion Green Road
Coulsdon
Surrey CR5 2NL

Tel: 020 8668 8362
Fax: 020 8660 5155
Email: william@wjkent.co.uk

www.wjkenttreeconsultants.com

ARBORICULTURAL REPORT AND TREE MANAGEMENT STRATEGY AT:

Dunraven Primary School & Sixth Form College
94/98 Leigham Court Road
London
SW16 2QB

Prepared by: W.J.Kent Dip Arb(RFS); MArborA
LANTRA: Professional Tree Inspector
QTRA: Licensed user

Date: 19th March 2019 **Ref: DPS 03.19**

CONTENTS:

1.0 Introduction

1.1 I have been instructed by Mr Gary Gray (Facilities manager) of Dunraven school, to carry out an inspection of the principle trees at the above address and to prepare an arboricultural report and tree management strategy with regard to my inspection outcomes.

2.0 Report objectives

2.1 To initiate a programme of regular, documented tree inspections for health and safety purposes complying with the 'Duty of care' requirements for responsible land owners under the statutory Occupiers Liability Act 1957.

2.2 To maintain and where possible enhance the treescape of the grounds in accordance with good arboricultural practice to the benefit of all stakeholders and the wider environment.

3.0 Limitations

3.1 All tree inspections were carried out at ground level using industry recognised 'visual tree assessment' techniques from ground level. Equipment used included binoculars, acoustic mallet, metal probe and tree measuring equipment.

3.2 No climbing inspections or sophisticated decay detection equipment were used. No excavation to reveal root condition was carried out. No soil or tree tissue samples were taken. As a result only defects visible from such inspection methods would be detected. Where a more detailed inspection is thought necessary then such recommendations will be made.

3.3 The author does not hold formal qualifications in either legal or structural engineering matters. Whilst it is normal to make comment on these subjects from an arboricultural perspective, **the appropriate professional advice should be sought to clarify or confirm any comments made in respect of legal or structural engineering matters.**

3.4 Trees are living organisms that constantly change biologically and structurally throughout their lives. As a result there can be no one off inspection to assess the long term condition of trees. A programme of regular re-inspection intervals are detailed in the tree survey schedule and should be adhered to in order to retain the validity of the inspection programme. **The re-inspection schedule applies to normal weather conditions prevailing during the period between re-inspections. Interim tree inspections should be carried out as soon as is practicable following any extreme weather event.**

3.5 Only trees of a stem diameter greater than 150mm at 1.5m height are included in the report unless their inclusion is thought necessary. Shrub masses and hedges will also be excluded unless considered necessary.

4.0 Inspection procedure

- Inspection and assessment has been carried out of the principle trees as shown within the Tree Locations Plan within Appendix 2 of this report.

- Accurate location of each subject tree on site is determined by cross referencing the tree numbers shown in the tree locations plan to the tree survey schedule in appendix 1.

- Carry out a visual tree assessment (VTA) of each individual tree in order to analyse the physiological and structural condition of each tree.

- Record all relevant data pertaining to the trees inspected.

- To make recommendations where appropriate for the safe and prudent retention of the subject trees in accordance with good arboricultural practice including time scales for remedial works and re-inspection dates.

- To present the inspection results in a report format consisting of hard and electronic PDF copies

5.0 Site & tree stock description

5.1 The site comprises a primary school and sixth form college with associated grounds which extend to 0.9 hectares in size. The school is situated to the North East of Mountnod Road and Leigham Court Road junction, near Streatham, South London. **See aerial photograph of the site below.**

Aerial photograph of the site: *Google Earth Imagery*

5.2 The topography of the site is reasonably level in general, with no significant inclines in any direction.
The site soil type is described by British Geological survey data as: London Clay Formation - Clay & Silt bedrock geology. No superficial deposits are recorded

5.3 The tree population comprises a mix of mainly deciduous amenity trees, of various species and age composition, including an selection of recently planted trees.

5.4 Sixteen individual trees and five groups of trees have been subject to inspection and are recorded in this report.

6.0 Key to tree survey data

Tree number:

Links the specimen to tree locations plan and survey schedule.

Species:

Common name and *botanical name*

Height:

Estimated total height in metres from ground level.

DBH:

Tree stem diameter in mm measured at 1.5m height

Crown spread radius;

Radius crown spread distance measured in metres at the greatest point

Age class:

Y (young) – newly planted tree or young sapling/tree usually under 15 years old.

EM (early mature) – tree within first 1/3rd normal life expectancy.

M (mature) – tree in final 2/3^{rds} normal life expectancy.

LM (late mature) – tree reaching the end of or exceeding normal life expectancy.

Condition:

P (physiological) – assessment of the trees biological functional system:

GOOD – fully functioning biological system, showing average or above average vitality for the species and its age, usually with a life expectancy of greater that 40 years.

FAIR – fully functioning biological system showing below average vitality for the species and its age, usually with a life expectancy of greater than 20 years.

POOR – a biological system of significantly reduced vitality for the species and age, usually with a life expectancy of less than 10 years.

DEAD – a dead tree.

S (structural) – assessment of the trees structural integrity:

GOOD – tree free from significant visual defects.

FAIR – tree with significant visual defects, remedial by intervention.

POOR – tree with significant defects requiring either substantial works of removal.

Observations and recommendations:

Observations of all kinds relating to the subject tree.

Recommended tree work prescription.

Works time schedule:

The maximum period of time from the survey date to when the works should be carried out.

Re-inspection frequency:

The maximum period of time from the survey date to when the re-inspections should be carried out.

7.0 Legal protection status of trees

7.1 Protected species

Mature trees can be used by birds and bats. All species of bat and nesting birds are protected in the UK by *The Wildlife and Countryside Act 1981* (as amended), extended by the *Countryside and Rights of Way Act 2000* and *The conservation of habitats and species regulations 2012(European directive)*. If the presence of a legally protected species is suspected whilst undertaking any tree work, the task should be halted immediately and appropriate advice sought from a suitably qualified ecologist.

7.2 Statutory designations

Trees can be afforded statutory protection in a number of ways, including:

- Tree Preservation Orders;
- planning conditions;
- Felling Licences; and
- being in a designated Conservation Area.

Protected trees can only be removed or pruned if permission is granted either as part of a planning permission, or if a separate application is made to the Local Authority (or the Forestry Commission).

8.0 Tree work operations

8.1 All recommended tree works as detailed in appendices 1&3 should be subject to additional TPO checks prior to commencement of works.

8.2 All recommended tree works as detailed in appendices 1&3 should be carried out by appropriately insured, experienced and qualified arboricultural contractors and in accordance with BS3998: 2010.

Appendix 1: Tree Survey Schedule

Tree Number	Species	Height (m)	Age Class	Condition Physiological (P) & Structural (S)	Observations & Recommendations	Works Schedule	Re-inspection Frequency
G1	Broad-Leafed Lime *Tilia platyphyllos*	3	Y	P: Good S: Good	Linear group of 4 new plantIngs. Formative prune	6 Months	24 months
2	Common Lime *Tilia europaea*	11	M	P: Good S: Fair	Displacement damage to adjacent brick retainer wall present. Repair and reinforce wall. Incorporate a min 150mm void between rebuilt wall and tree roots. Crown raise over road to 5.2m in height Remove - Basal growth Remove - Major dead wood	3 Months	24 months
3	Common Lime *Tilia europaea*	7	M	P: Good S: Fair - Northerly lower stem cavity with associated decay present. Historic stem tear wound to leader at 6m height; crown previously reduced	Reduce decayed stem by 2m in height Remove - Basal growth	3 Months	24 months

Appendix 1: Tree Survey Schedule

Tree Number	Species	Height (m)	Age Class	Condition Physiological (P) & Structural (S)	Observations & Recommendations	Works Schedule	Re-inspection Frequency
4	Common Lime *Tilia europaea*	15	M	P: Fair - Scattered dead primary branches in crown S: Fair	Displacement damage to adjacent brick retainer wall present. Repair and reinforce wall. Incorporate a min 150mm void between rebuilt wall and tree roots. Crown raise over road to 5.2m height Remove - Basal growth Remove - Major dead wood	 3 Months	24 months
5	Common Horse Chestnut *Aesculus hippocastanum*	10	M	P: Good S: Good	Historically topped at 6m height No work required		24 months

Appendix 1: Tree Survey Schedule

Tree Number	Species	Height (m)	Age Class	Condition Physiological (P) & Structural (S)	Observations & Recommendations	Works Schedule	Re-inspection Frequency
6	Common Horse Chestnut *Aesculus hippocastanum*	12	M	P: Good S: Good	Historically topped at 7m height No work required		36 months
7	London Plane *Platanus x hispanica*	14	M	P: Good S: Good	Previously crown reduced No work required		36 months
8	London Plane *Platanus x hispanica*	10	M	P: Good S: Good	Previously reduced Reduce crown - To previous reduction points	12 Months	24 months

Appendix 1: Tree Survey Schedule

Tree Number	Species	Height (m)	Age Class	Condition Physiological (P) & Structural (S)	Observations & Recommendations	Works Schedule	Re-inspection Frequency
9	Tree of Heaven *Ailanthus altissima*	8	M	P: Good S: Good	No work required		24 months
10	Silver Maple *Acer saccharinum*	15	M	P: Good S: Good	Previously crown reduced. Reduce crown - To previous reduction points	12 Months	24 months
11	Broad-Leafed Lime *Tilia platyphyllos*	9	M	P: Good S: Good	Raise low canopy - To 2.5m Remove - Basal growth	3 Months	24 months
12	Broad-Leafed Lime *Tilia platyphyllos*	9	M	P: Good S: Good	No work required		24 months

Appendix 1: Tree Survey Schedule

Tree Number	Species	Height (m)	Age Class	Condition Physiological (P) & Structural (S)	Observations & Recommendations	Works Schedule	Re-inspection Frequency
G13	Leyland Cypress *X Cupressocyparis leylandii*	5	M	P: Good S: Fair	**Off-site group.** Trim overhanging canopy edge to contain branch spread.	3 Months	24 months
14	Sycamore *Acer pseudoplatanus*	7	M	P: Good S: Fair - Historic lower stem wound due to loss of co dominant stem, with associated incipient decay present.	Previously topped No work required		24 months
15	Sycamore *Acer pseudoplatanus*	6	EM	P: Good S: Good	Tree recently crown reduced No work required		24 months
16	Winter Cherry *Prunus subhirtella*	4	M	P: Good S: Good	No work required		24 months

Appendix 1: Tree Survey Schedule

Tree Number	Species	Height (m)	Age Class	Condition Physiological (P) & Structural (S)	Observations & Recommendations	Works Schedule	Re-inspection Frequency
16a	English Elm *Ulmus procera*	4	EM	P: Dead S: Poor	Fell - Fell to ground level	2 Months	NA
17	Indian Bean Tree *Catalpa bignonioides*	5	EM	P: Good S: Good	No work required		24 months
18	Copper Beech *Fagus sylvatica 'Purpurea'*	19	M	P: Good S: Good	A fine specimen tree. No work required		24 months
G19	*Birch, Hornbeam, Maple*	3	Y	P: Fair S: Fair	Group of new plantings. Remove tree stakes and apply mulch to tree pits.	3 Months	24 months

Appendix 1: Tree Survey Schedule

Tree Number	Species	Height (m)	Age Class	Condition Physiological (P) & Structural (S)	Observations & Recommendations	Works Schedule	Re-inspection Frequency
20	Sycamore *Acer pseudoplatanus*	9	M	P: Good S: Good	No work required		24 months
21	Holly 'Golden King' *Ilex x altaclarensis 'Golden King'*	7	M	P: Good S: Good	No work required		24 months
G22	*Honey locust, Crab apple, Cherry group*	3	Y	P: Good S: Good	Linear group of recent plantings, 6 x stems. No work required		24 months
23	Tilia platyphyllos *Broad leaved lime*	3	Y	P: Good S: Good	Remove tree stake	3 Months	24 months

Key:

2 - Tree no.2

G1 - Group of trees no.1

• - Tree trunk location

- Site boundary

W.J.Kent Tree Consultancy Ltd

Appendix 2: Tree Locations Plan

Site: Dunraven Primary School/ Sixth form College
94/98 Leigham Court Road
London SW16 2QB

SCALE :	DATE :
1 : 1000 @ A4	23/03/2019
MAP FILENAME :	TLP - 01

N

Appendix 3: Tree Works Schedule

Tree Number	Species	Height (m)	Age Class	Tree works prescription	Works Schedule
G1	Broad-Leafed Lime *Tilia platyphyllos*	3	Y	Linear group of 4 new plantIngs. Formative prune	6 Months
2	Common Lime *Tilia europaea*	11	M	. Crown raise over road to 5.2m in height Remove - Basal growth Remove - Major dead wood	3 Months
3	Common Lime *Tilia europaea*	7	M	Reduce decayed stem by 2m in height Remove - Basal growth	3 Months
4	Common Lime *Tilia europaea*	15	M	Crown raise over road to 5.2m height Remove - Basal growth Remove - Major dead wood	3 Months

Appendix 3: Tree Works Schedule

Tree Number	Species	Height (m)	Age Class	Tree works prescription	Works Schedule
8	London Plane *Platanus x hispanica*	10	M	Reduce crown - To previous reduction points	12 Months
10	Silver Maple *Acer saccharinum*	15	M	Reduce crown - To previous reduction points	12 Months
11	Broad-Leafed Lime *Tilia platyphyllos*	9	M	Raise low canopy - To 2.5m Remove - Basal growth	3 Months
G13	Leyland Cypress *X Cupressocyparis leylandii*	5	M	**Off-site group.** Trim overhanging canopy edge to contain branch spread.	3 Months

Appendix 3: Tree Works Schedule

Tree Number	Species	Height (m)	Age Class	Tree works prescription	Works Schedule
16a	English Elm *Ulmus procera*	4	EM	Fell - Fell to ground level	2 Months
G19	*Birch, Hornbeam, Maple*	3	Y	Group of new plantings. Remove tree stakes and apply mulch to tree pits.	3 Months
23	Tilia platyphyllos *Broad leaved lime*	3	Y	Remove tree stake	3 Months