

# ARBORICULTURAL METHOD STATEMENT

**77 AVENUE ROAD  
ST JOHNS WOOD  
LONDON NW8**

For:- **Mr S Lipton**

In order to comply with BS 5837:2005 the following Arboricultural Method Statement should be adopted in order to protect a various trees shown on the drawing (site plan at 1:200)

## **FRONT GARDEN**

### **Root Protection Area (RPA) for T1**

The RPA (sq.M) is calculated for a single stemmed specimen with a trunk diameter measured 1.5M above ground level, and is as follows:-

800mm trunk diameter x 12 divided by 1000 = 9.60  
9.60 squared = 92.16 x 3.142 = 289.56sq.M. total area required  
Radius from the tree is **9.60M**.

Under 5.2.4 (a) for an open grown tree it would be reasonable to offset the distance by 20% in one direction, this would entail a distance of 9.60 less 20% = **7.68M**.

### **Root Protection Area (RPA) for T2**

The RPA (sq.M) is calculated for a single stemmed specimen with a trunk diameter measured 1.5M above ground level, and is as follows:-

1200mm trunk diameter x 12 divided by 1000 = 14.40  
14.40 squared = 207.36 x 3.142 = 651.53sq.M. total area required  
Radius from the tree is **14.40M**.

Under 5.2.4 (a) for an open grown tree it would be reasonable to offset the distance by 20% in one direction, this would entail a distance of 14.40 less 20% = **11.52M**.

## REAR GARDEN

### Root Protection Area (RPA) for T3

The RPA (sq.M) is calculated for a single stemmed specimen with a trunk diameter measured 1.5M above ground level, and is as follows:-

$$\begin{aligned} 640\text{mm trunk diameter} \times 12 \text{ divided by } 1000 &= 7.68 \\ 7.68 \text{ squared} &= 58.98 \times 3.142 = 185.32\text{sq.M. total area required} \\ \text{Radius from the tree is } &\mathbf{7.68M.} \end{aligned}$$

Under 5.2.4 (a) for an open grown tree it would be reasonable to offset the distance by 20% in one direction, this would entail a distance of 7.68 less 20% = **6.14M.**

### Root Protection Area (RPA) for T4

The RPA (sq.M) is calculated for a single stemmed specimen with a trunk diameter measured 1.5M above ground level, and is as follows:-

$$\begin{aligned} 500\text{mm trunk diameter} \times 12 \text{ divided by } 1000 &= 6.00 \\ 6.00 \text{ squared} &= 36.00 \times 3.142 = 113.11\text{sq.M. total area required} \\ \text{Radius from the tree is } &\mathbf{6.00M.} \end{aligned}$$

Under 5.2.4 (a) for an open grown tree it would be reasonable to offset the distance by 20% in one direction, this would entail a distance of 6.00 less 20% = **4.80M.**

### Root Protection Area (RPA) for T5

The RPA (sq.M) is calculated for a single stemmed specimen with a trunk diameter measured 1.5M above ground level, and is as follows:-

$$\begin{aligned} 450\text{mm trunk diameter} \times 12 \text{ divided by } 1000 &= 5.40 \\ 5.40 \text{ squared} &= 29.16 \times 3.142 = 91.62\text{sq.M. total area required} \\ \text{Radius from the tree is } &\mathbf{5.40M.} \end{aligned}$$

Under 5.2.4 (a) for an open grown tree it would be reasonable to offset the distance by 20% in one direction, this would entail a distance of 5.40 less 20% = **4.32M.**

*continued*

### **Root Protection Area (RPA) for T6**

The RPA (sq.M) is calculated for a single stemmed specimen with a trunk diameter measured 1.5M above ground level, and is as follows:-

$$\begin{aligned} 1060\text{mm trunk diameter} \times 12 \text{ divided by } 1000 &= 12.72 \\ 12.72 \text{ squared} &= 161.80 \times 3.142 = 508.37\text{sq.M. total area required} \\ \text{Radius from the tree is } &\mathbf{12.72M.} \end{aligned}$$

Under 5.2.4 (a) for an open grown tree it would be reasonable to offset the distance by 20% in one direction, this would entail a distance of 12.72 less 20% = **10.18M.**

### **CONSTRUCTION EXCLUSION ZONE**

The zone should be as shown on the plan and the barrier across the rear garden to prevent encroachment into the zone should be constructed as shown in the sketch below.

## **SUMMARY**

### **Front garden**

The two trees in the front garden are close to the front elevation of the property, although the RPA of T1 does not reach the house, however, T2 has an RPA of 11.52M radius and clearly reaches the house. It should however, be realised that the house has an existing basement and the foundations of the basement are below the rooting zone of the tree, it therefore stands to reason that provided any new excavations are no closer to the tree than the existing construction there cannot be any detrimental effect to the health of the tree.

### **Rear garden**

The RPA from T3 and T4 does not extend close to the rear of the house, it is therefore possible to erect a construction exclusion zone in the form of a barrier across the garden as shown on the plan.

**Anthony George & Associates Ltd**

3 October 2008



### Root Protection Area (RPA) for T6

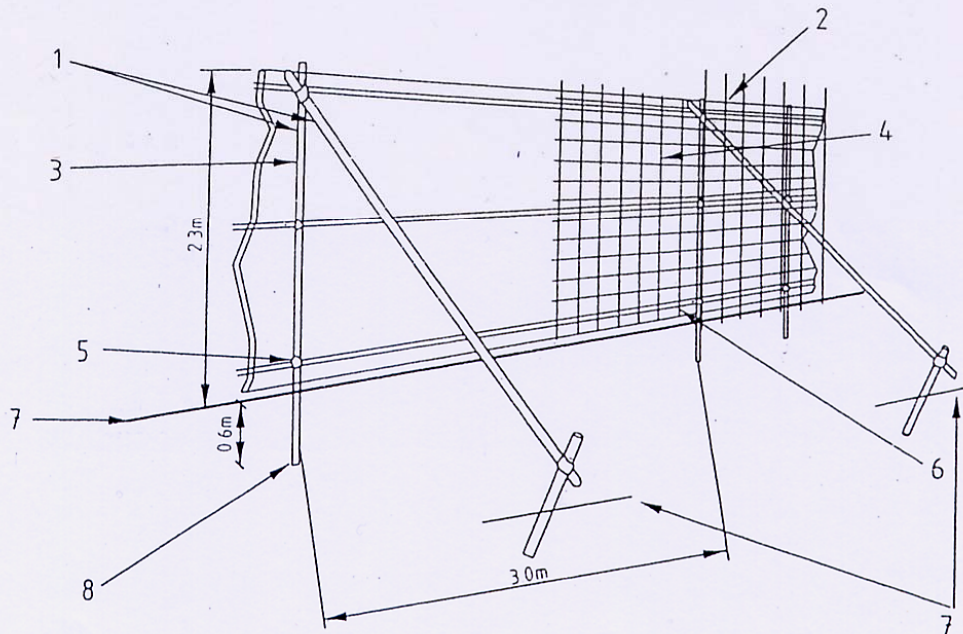
The RPA (sq.M) is calculated for a single stemmed specimen with a trunk diameter measured 1.5M above ground level, and is as follows:-

1060mm trunk diameter x 12 divided by 1000 = 12.72  
12.72 squared = 161.80 x 3.142 = 508.37sq.M. total area required  
Radius from the tree is **12.72M**.

Under 5.2.4 (a) for an open grown tree it would be reasonable to offset the distance by 20% in one direction, this would entail a distance of 12.72 less 20% = **10.18M**.

### CONSTRUCTION EXCLUSION ZONE

The zone should be as shown on the plan and the barrier across the rear garden to prevent encroachment into the zone should be constructed as shown in the sketch below.



- |  |  |
|--|--|
| 1 Standard scaffold poles  | 5 Standard clamps  |
| 2 Uprights to be driven into the ground  | 6 Wire twisted and secured on inside face of fencing to avoid easy dismantling |
| 3 Panels secured to uprights with wire ties and where necessary standard scaffold clamps | 7 Ground level   |
| 4 Weldmesh wired to the uprights and horizontals   | 8 Approx 0.6 m driven into the ground  |

# ARBORICULTURAL REPORT

## **77 AVENUE ROAD ST JOHNS WOOD LONDON NW8**

**For: Mr S Lipton**

An inspection of the above site was made on the 18 September 2008 with regard to the effect that a new dwelling based on the same footprint as the original dwelling may have on the presence of mature trees in the garden.

An arboricultural method statement showing the root protection areas required for each tree is attached, account should be taken of the existing basement area to the dwelling and the fact that this will have acted as a root barrier.

(see plan)

### **FRONT GARDEN**

T1 A Plane tree approximately 15.00M in height is situated on the left side of the north entrance off Avenue Road, and is 9.30M from the front of the house, it has a stem diameter of 80cm at 1.50M above ground level. The tree appears to be in good health and condition although there is some significant lifting of the tarmac drive caused by roots, there is also movement to the front boundary wall again caused by root activity.

**Recommend** – The tree is considered to be acceptable in its present form and therefore no work is necessary at the present time.

T2 A Plane tree approximately 15.00M in height is situated on the right side of the south entrance off Avenue Road, and is 9.00M from the front corner of the house, it has a stem diameter of 120cm at 1.50M above ground level. The tree appears to be in good health and condition although again there is some significant lifting of the tarmac drive caused by roots, and also movement to the front boundary wall again caused by root activity.

**Recommend** – The tree is considered to be acceptable in its present form and therefore no work is necessary at the present time.

## REAR GARDEN

- T3 A Copper Beech tree, twin stemmed from some 3.00M, and approximately 15.00M in height is situated on the left side of the garden some 14.00M from the rear of the house. The tree has a stem diameter of 64cm at 1.50M above ground level. The tree appears to be in excellent health and condition.

**Recommend** – The tree is considered to be acceptable in its present form and therefore no work is necessary at the present time.

- T4 A Weeping Willow tree approximately 15.00M in height is situated on the right side of the garden some 20.00M from the rear of the house. The tree has a stem diameter of 50cm at 1.50M above ground level and appears to be in good health and condition.

**Recommend** – The tree is considered to be acceptable in its present form and therefore no work is necessary at the present time.

- T5 A Lime tree approximately 12.00M in height is situated in the bottom right hand corner of the garden, it has previously been pollarded at some 9.00M above ground level. The tree has a stem diameter of 45cm at 1.50M above ground level and appears to be in good health and condition.

**Recommend** – The tree is considered to be acceptable in its present form and therefore no work is necessary at the present time.

- T6 A Plane tree, twin stemmed from 2.50M, and approximately 17.00M in height is situated on the bottom boundary, it has been previously reduced in height at some 12.00M above ground level. The tree has a stem diameter of 106cm at 1.50M above ground level and appears to be in excellent health and condition.

**Recommend** – The tree is considered to be acceptable in its present form and therefore no work is necessary at the present time.