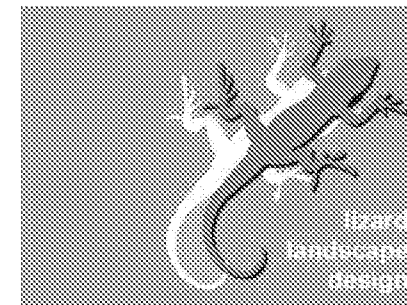




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## **LAND AT LAKE LANE, BARNHAM, WEST SUSSEX**

### **EXISTING TREE SCHEDULE AND SCHEDULE OF TREE WORKS**

Approved By: Joe Jackson

Signed: .....

Position: Principal

Date: 09<sup>th</sup> October 2015

Rev: 01

### **October 2015 – Planning Issue**

LLD898/TB/09.10.15

Lizard Landscape Design, 19 Broadwater Street East, Worthing, West Sussex, BN14 9AA

| Ref.no. | Species                                                                                                                                                                                                            | Diameter<br>(@1.5 m height) | Height<br>(approx.)                                   | Spread<br>(approx.)                                | Age Class /<br>Contribution        | Condition / Preliminary Management<br>Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cat. | Status |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------|----------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
| T 01    | <p><i>Tilia x europaea</i><br/>(Lime)<br/><b>(11.7m Radius of nominal circle; 430m<sup>2</sup> RPA)</b></p> <p>(Subject to Tree Preservation Order No. TPO/BN/1/13 (Group 2) issued by Arun District Council)</p>  | 955mm                       | <p>20.00 m</p> <p>Clear Stem Height</p> <p>N/A</p>    | <p>N 7.0 m<br/>E 5.0 m<br/>S 6.0 m<br/>W 6.0 m</p> | <p>Semi-Mature</p> <p>20 yrs +</p> | <p>Located to the northern boundary of the site. A ditch is located 1.0m to the north, surface roots are visible to the ditch sides due to erosion. Ivy covers the ground around the base of the tree. The basal shoots have matured to form a dense lower canopy and making the base of the tree congested. A wire fence is growing into the base of the main stem at 0.8m height. There are no signs of damage from root to main stem. Minor deadwood insignificant with major deadwood evident in the lower primary scaffolds. Condition - Fair/Good.</p> <p><b>Recommendations:</b> Remove all major deadwood from the crown. Re-inspect tree in winter when the upper canopy is visible.</p> | B    | Retain |
| T 02    | <p><i>Fraxinus excelsior</i><br/>(Ash)<br/><b>(6.60m Radius of nominal circle; 137m<sup>2</sup> RPA)</b></p> <p>(Subject to Tree Preservation Order No. TPO/BN/1/13 (Group 2) issued by Arun District Council)</p> | 541mm                       | <p>16.00 m</p> <p>Clear Stem Height</p> <p>3.00 m</p> | <p>N 5.0 m<br/>E 6.0 m<br/>S 5.0 m<br/>W 4.0 m</p> | <p>Mature</p> <p>20 yrs +</p>      | <p>Located adjacent to T 01 and 1.0m south of ditch on northern boundary. Nettles and bramble cover the ground around the base of the tree. Ivy clads the main stem and lower primary scaffolds to 10.0m height. The tree has a straight main stem dividing 2.5 m height into 4 no. co-dominant leaders producing a decurrent form. A fence is nailed to the base. Twiggy deadwood throughout crown. Condition – Fair</p>                                                                                                                                                                                                                                                                         | B    | Retain |

| Ref.no.        | Species                                                                                                                                                                                                                                                                                                                                       | Diameter<br>(@1.5 m height)      | Height<br>(approx.)                                                           | Spread<br>(approx.)                                               | Age Class /<br>Contribution  | Condition / Preliminary Management<br>Recommendations                                                                                                                                                                                                                                                                                                                                                         | Cat. | Status |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
| TG 03<br>A - C | Tree Group<br>a) – <i>Quercus robur</i> (Oak)<br><b>(2.10m Radius of nominal<br/>circle; 14m<sup>2</sup> RPA)</b><br>b) – <i>Quercus robur</i> (Oak)<br><b>(2.10m Radius of nominal<br/>circle; 14m<sup>2</sup> RPA)</b><br>c) – <i>Acer pseudoplatanus</i><br>(Sycamore)<br><b>(2.10m Radius of nominal<br/>circle; 14m<sup>2</sup> RPA)</b> | a) 159mm<br>b) 158mm<br>c) 112mm | a) - 4.00m<br>b) - 4.00m<br>c) - 3.50m<br><br>Clear Stem<br>Height<br><br>N/A | A/B/C<br>N 3/2/1.5 m<br>E 3/2/1.5 m<br>S 3/2/1.5 m<br>W 3/2/1.5 m | Young<br><br>10 yrs +        | A self-seeded tree group within<br>Bramble. Possible future specimens.<br>The trees all exhibit decurrent form with<br>spreading limbs.<br><b>Recommendations:</b> Remove tree<br>group to accommodate development<br>proposals.                                                                                                                                                                              | C    | Remove |
| T 04           | <i>Quercus robur</i><br>(Oak)<br><b>(4.20m Radius of nominal<br/>circle; 55m<sup>2</sup> RPA)</b><br><br>(Subject to Tree Preservation<br>Order No. TPO/BN/1/13 (Group 1)<br>issued by Arun District Council)                                                                                                                                 | 327mm<br>(CSD)                   | 11.00m<br><br>Clear Stem<br>Height<br><br>1.50m                               | N 4.00 m<br>E 4.00 m<br>S 4.00 m<br>W 4.00 m                      | Early-Mature<br><br>10 yrs + | Located within Bramble, base of tree is<br>in good condition with no signs of<br>mechanical damage. 4 no. co-dominant<br>leaders arise at 30cm height with<br>compression joints between each stem.<br>The tree has horizontal and arching<br>secondary scaffolds. Twiggy deadwood<br>throughout canopy.<br>Condition – Fair.<br><b>Recommendations:</b> Remove tree to<br>accommodate development proposals. | C    | Remove |

| Ref.no.      | Species                                                                                                                                                                                                                                                                                                                                                              | Diameter<br>(@1.5 m height)      | Height<br>(approx.)                                                     | Spread<br>(approx.)                                       | Age Class /<br>Contribution  | Condition / Preliminary Management<br>Recommendations                                                                                                                                                                                                                                                                                                       | Cat. | Status |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
| T 05         | <i>Quercus robur</i><br>(Oak)<br><b>(3.00m Radius of nominal<br/>circle; 41m<sup>2</sup> RPA)</b><br><br>(Subject to Tree Preservation<br>Order No. TPO/BN/1/13 (Group 3)<br>issued by Arun District Council)                                                                                                                                                        | 238mm                            | 8.00 m<br><br>Clear Stem<br>Height<br><br>2.5m                          | N 3.50 m<br>E 3.00 m<br>S 2.50 m<br>W 3.00 m              | Early-Mature<br><br>10 yrs+  | Located within Bramble and adjacent to<br>the northern boundary ditch. The main<br>stem divides at 1.0m height and there<br>are 4 main primary scaffold branches<br>supporting the outer domed canopy.<br>Condition – fair.                                                                                                                                 | C    | Retain |
| TG 06<br>A-C | <i>Quercus robur</i><br>(Oak)<br><b>a) - (3.30m Radius of nominal<br/>circle; 34m<sup>2</sup> RPA)</b><br><b>b) - (3.60m Radius of nominal<br/>circle; 41m<sup>2</sup> RPA)</b><br><b>c) - (3.90m Radius of nominal<br/>circle; 48m<sup>2</sup> RPA)</b><br><br>(Subject to Tree Preservation<br>Order No. TPO/BN/1/13 (Group 3)<br>issued by Arun District Council) | a) 270mm<br>b) 286mm<br>c) 302mm | 8.00m<br>(Average)<br><br>Clear Stem<br>Height<br><br>2.0m<br>(Average) | A/B/C<br>N 3/4/3 m<br>E 2/5/5 m<br>S 3/3/3 m<br>W 5/4/5 m | Early-Mature<br><br>10 yrs + | 3 no. oaks situated in a group located<br>to the northern boundary. Trees<br>decurent with scaffolds between 2 -<br>3.0m height. There is no significant<br>deadwood. Bramble growing into the<br>lower scaffolds of tree TG 06 b).<br>Evidence of historic pruning to trees<br>A/B. All trees have low spreading<br>canopies. Trees are in fair condition. | C    | Retain |
| T 07         | <i>Crataegus monogyna</i><br>(Hawthorn)<br><b>(1.80m Radius of nominal<br/>circle; 10m<sup>2</sup> RPA)</b>                                                                                                                                                                                                                                                          | 143mm                            | 4.00m<br><br>Clear Stem<br>Height<br><br>N/A                            | N 2.00 m<br>E 2.00 m<br>S 2.00 m<br>W 2.00 m              | Early-Mature<br><br>10 yrs + | Located within thick Bramble, multi-<br>stemmed Hawthorn with a domed form.<br>Evidence that tree is self seeded.                                                                                                                                                                                                                                           | C    | Retain |

| Ref.no. | Species                                                                                                                                                                                                                   | Diameter<br>(@1.5 m height) | Height<br>(approx.)                           | Spread<br>(approx.)                          | Age Class /<br>Contribution | Condition / Preliminary Management<br>Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Cat. | Status |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------|----------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
| T 08    | <i>Acer pseudoplatanus</i><br>(Sycamore)<br><b>(9.30m Radius of nominal<br/>circle; 272m<sup>2</sup> RPA)</b><br><br>(Subject to Tree Preservation<br>Order No. TPO/BN/1/13 (Group 3)<br>issued by Arun District Council) | 763mm                       | 18.00m<br><br>Clear Stem<br>Height<br><br>N/A | N 4.00 m<br>E 5.00 m<br>S 8.00 m<br>W 5.50 m | Mature<br><br>20 yrs +      | Located to the northern boundary. Ivy, nettle and a self-seeded Elm grow at the base. The tree has 1 no. dominant leader and a mature primary scaffold arising from the base to the southern aspect. Minor deadwood throughout canopy. Ivy clad to 10.0m height. The tree is largely excurrent in form. Condition – Good.                                                                                                                                                                                                                                                                                                      | B    | Retain |
| T 09    | <i>Tilia x europaea</i><br>(Lime)<br><b>(10.80m Radius of nominal<br/>circle; 366m<sup>2</sup> RPA)</b><br><br>(Subject to Tree Preservation<br>Order No. TPO/BN/1/13 (Group 3)<br>issued by Arun District Council)       | 891mm                       | 18.00m<br><br>Clear Stem<br>Height<br><br>N/A | N 6.00 m<br>E 4.00 m<br>S 6.00 m<br>W 7.00 m | Mature<br><br>20 yrs +      | The tree is located to the north-eastern corner of the site. Dense Ivy grows within the trees root plate. The tree has one dominant stem and several mature limbs arising from basal growth. There is minor Ivy clad to the lower main stem. Dense canopy with no signs of defects. Inspection of upper and middle crown impeded by dense foliage. Major dead limbs located to the lower primary scaffolds. Overall condition is deemed to be fair. <b>Recommendations:</b><br><i>Remove all major deadwood from canopy. Re-inspect tree in winter when the upper canopy is visible. Implement ground protection measures.</i> | B    | Retain |

| Ref.no. | Species                                                                                                                                                                                                                   | Diameter<br>(@1.5 m height) | Height<br>(approx.)                             | Spread<br>(approx.)                          | Age Class /<br>Contribution | Condition / Preliminary Management<br>Recommendations                                                                                                                                                                                                                                                                                                                                                                                                           | Cat. | Status |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------|----------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
| T 10    | <i>Acer pseudoplatanus</i><br>(Sycamore)<br><b>(6.90m Radius of nominal<br/>circle; 150m<sup>2</sup> RPA)</b><br><br>(Subject to Tree Preservation<br>Order No. TPO/BN/1/13 (Group 3)<br>issued by Arun District Council) | 573mm                       | 16.00m<br><br>Clear Stem<br>Height<br><br>3.00m | N 5.00 m<br>E 1.50 m<br>S 5.00 m<br>W 2.00 m | Mature<br><br>< 10 yrs      | Ivy located to base of tree with Elm seedlings present. Tree located in ditch. Dead Ivy (recently cut at base) held to main stem and lower crown. The trees growth is impeded by T9 and T11. There is major deadwood held to the lower primary scaffolds and significant minor deadwood throughout the crown. The canopy is sparse. Overall condition – Poor.<br><b>Recommendations:</b> Remove due to condition.                                               | U    | Remove |
| T 11    | <i>Tilia x Europaea</i><br>(Lime)<br><b>(9.60m Radius of nominal<br/>circle; 290m<sup>2</sup> RPA)</b><br><br>(Subject to Tree Preservation<br>Order No. TPO/BN/1/13 (Group 3)<br>issued by Arun District Council)        | 795mm                       | 18.00m<br><br>Clear Stem<br>Height<br><br>N/A   | N 6.00 m<br>E 7.00 m<br>S 8.00 m<br>W 6.00 m | Mature<br><br>20 yrs +      | Mature Lime located to the far north-eastern corner of the site. Ground around the base lightly vegetated. Considerable basal growth of young to mature limbs resulting in a congested lower crown. Minor and major dead throughout the lower crown. Visual inspection of middle and upper crown impeded by dense foliage. Condition – Good.<br><b>Recommendations:</b> Remove major deadwood from throughout the canopy. Implement ground protection measures. | B    | Retain |

| Ref.no.        | Species                                                                                                                                                                                                                                                                                                                    | Diameter<br>(@1.5 m height)      | Height<br>(approx.)                                                       | Spread<br>(approx.)                                       | Age Class /<br>Contribution  | Condition / Preliminary Management<br>Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cat. | Status |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
| TG 12          | <i>Mixed-species Tree Group<br/>(2.40m Radius of nominal circle;<br/>18m<sup>2</sup> RPA)<br/>Quercus robur (Oak);<br/>Fraxinus excelsior (Ash);<br/>Ulmus sp. (Elm);<br/>Acer pseudoplatanus (Sycamore).</i>                                                                                                              | 191mm                            | 12.00m<br><br>Clear Stem<br>Height<br><br>2.00m                           | As Shown                                                  | Young<br><br>10 yrs +        | Copse of 15 no trees:<br>- Oak<br>- Ash<br>- Elm<br>- Sycamore<br><br>Elongated in form due to the close proximity of the trees to each other. Ivy held to the main stem in most trees. Impeded to north-east, north-west, south-east and south by adjacent mature trees. Oaks situated to the west of the group have a fuller rounded canopy. The trees are generally in poor to fair condition and are unlikely to make future specimens due to their proximity to each other. The Oaks on the eastern edge of the group may mature into specimens.<br><b>Recommendations:</b> Implement ground protection measures.                                               | C    | Retain |
| TG 13<br>A - C | <i>Mixed-Species Tree Group<br/>a) Quercus robur (Oak)<br/>(6.90m Radius of nominal circle;<br/>137m<sup>2</sup> RPA)<br/>b) Quercus robur (Oak)<br/>(4.50m Radius of nominal circle;<br/>64m<sup>2</sup> RPA)<br/>c) Acer pseudoplatanus<br/>(Sycamore)<br/>(3.30m Radius of nominal circle;<br/>34m<sup>2</sup> RPA)</i> | a) 573mm<br>b) 350mm<br>c) 255mm | 13.0 m<br>(average)<br><br>Clear Stem<br>Height<br><br>1.00m<br>(average) | A/B/C<br>N 8/6/3 m<br>E 8/2/2 m<br>S 1/3/2 m<br>W 7/4/3 m | Early-mature<br><br>10 yrs + | A tree group of 1 no. Sycamore and 2 no. Oak of similar size and impeded by tree belt (TL 14) to South. Light Ivy, Nettle and Bramble covering the base of all 3 no. trees. Ivy growing into lower crown up to 5.0m. Minor deadwood in Oak, with growth considered slow. The overall condition is deemed to be fair and the Oaks have some potential of becoming future specimens.<br><b>Recommendations:</b> Implement ground protection measures in the RPA of TG 13 (a). Lift the north-eastern canopy of TG 13 (a) to 2.0m height above the realigned public footpath to increase the clearance in accordance with 'BS3998: 2010 - Tree Work – Recommendations'. | C    | Retain |

| Ref.no. | Species                                                                                                                            | Diameter<br>(@1.5 m height) | Height<br>(approx.)                                         | Spread<br>(approx.)   | Age Class /<br>Contribution | Condition / Preliminary Management<br>Recommendations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cat. | Status |
|---------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------|-----------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
| TL 14   | <i>Populus nigra 'Italica'</i><br>(Lombardy Poplar)<br><b>(4.20m Radius of nominal circle;<br/>55m<sup>2</sup> RPA) (Average)</b>  | 350mm<br>(Average)          | 20.00 m<br>(Average)<br><br>Clear Stem<br>Height<br><br>N/A | As Shown<br>(Average) | Mature<br><br>10 yrs +      | Tall single stem Poplar treeline bunched together to form shelter belt along the Southern boundary. The ground is slightly raised compared to the surrounding ground. A ditch is located immediately to the north running parallel with the tree line. The trees are planted in 3 to 4 no. rows between 1 – 2.0m apart. The majority of the trees are leaning at significant angles due to the competition for light. There are intermittent Leyland Cypress planted along Northern edge of the tree line. The overall condition of the tree line is considered to be fair and there are no significant signs of defects. The tree belt has a wide canopy spread due to its splayed nature. | C    | Retain |
| TL 15   | <i>X Cuprocyparis leylandii</i><br>(Leyland Cypress)<br><b>(4.80m Radius of nominal circle;<br/>72m<sup>2</sup> RPA) (Average)</b> | 382mm<br>(Average)          | 12.00 m<br>Average<br><br>Clear Stem<br>Height<br><br>N/A   | As Shown              | Mature<br><br>10 yrs +      | A double row of Leyland Cypress located to the western end of the southern boundary providing a shelter belt to the site. The canopy is sparse from base to mid crown. The overall condition is poor/fair and appears to be deteriorating/dying back from the base of the canopy upwards.                                                                                                                                                                                                                                                                                                                                                                                                   | C    | Retain |

| Ref.no. | Species                                                                                                                                                                                                                                                                               | Diameter<br>(@1.5 m height)            | Height<br>(approx.)                                                        | Spread<br>(approx.)                             | Age Class /<br>Contribution  | Condition / Preliminary Management<br>Recommendations                                                                                                                                                                                                                                                                                                                      | Cat. | Status        |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| T 16    | <i>Quercus robur</i><br>(Oak)<br><b>(1.80m Radius of nominal circle;<br/>10m<sup>2</sup> RPA)</b>                                                                                                                                                                                     | 143mm                                  | 7.0 m<br><br>Clear Stem<br>Height<br><br>1.00 m                            | N 2.00 m<br>E 2.00 m<br>S 2.00 m<br>W 2.00 m    | Young<br><br>10 yrs +        | Young Oak located next to footpath edge and adjacent to a ditch. Ivy is present on the main stem. The tree has a decurrent regular form and generally in fair condition. The growth of the tree appears to be stunted which may be due to the proximity of the nearby ditch and TL 15.                                                                                     | C    | Retain        |
| T 17    | <i>Acer pseudoplatanus</i><br>(Sycamore)<br><b>(4.20m Radius of nominal circle;<br/>55m<sup>2</sup> RPA)</b>                                                                                                                                                                          | 350mm                                  | 11.00 m<br><br>Clear Stem<br>Height<br><br>2.50m                           | N 3.00 m<br>E 6.00 m<br>S 3.00 m<br>W 2.00 m    | Early-mature<br><br>10 yrs + | Located to the south-western corner of the site. Growing to base of a wall and next to a ditch. 2 no. co-dominant arising at 1.0m height, the connecting joint is compression wood with minor inclusive bark. Pruning wounds are evident to the lower crown. Overall condition is deemed to be fair/poor.                                                                  | C    | Retain        |
| TG 18   | <i>Alnus .sp</i><br>(Alder)<br><b>a) (5.10m Radius of nominal<br/>circle; 81m<sup>2</sup> RPA)</b><br><b>b) (4.20m Radius of nominal<br/>circle; 55m<sup>2</sup> RPA)</b><br><br>(Subject to Tree Preservation<br>Order No. TPO/BN/1/13 (Group 1)<br>issued by Arun District Council) | a) 408mm<br>(CSD)<br>b) 338mm<br>(CSD) | 14.00 m<br>(Average)<br><br>Clear Stem<br>Height<br><br>1.5 m<br>(Average) | N/S<br>N 4/2 m<br>E 5/4 m<br>S 3/5 m<br>W 4/4 m | Semi-Mature<br><br>10 yrs +  | a) 3 no. co-dominant stems from base with no evident signs of damage. Tree is leaning slightly North due to being impeded by T 18 b).<br><br>b) 2 no. co-dominants from base, straight but leaning slightly South due to being impeded by a) .Primary scaffolds are all horizontal.<br><br><b>Recommendations: Remove tree group to accommodate development proposals.</b> | C    | a/b<br>Remove |

| Ref.no.      | Species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Diameter<br>(@1.5 m height)                                                                   | Height<br>(approx.)                                                                   | Spread<br>(approx.)                                                  | Age Class /<br>Contribution        | Condition / Preliminary Management<br>Recommendations                                                                                                                                                                                                                           | Cat. | Status |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
| TL 19<br>A-G | <p><i>Acer pseudoplatanus</i><br/>(Sycamore)</p> <p><b>a) - (3.90m Radius of nominal circle; 48m<sup>2</sup> RPA)</b><br/> <b>b) - (3.90m Radius of nominal circle; 48m<sup>2</sup> RPA)</b><br/> <b>c) - (3.90m Radius of nominal circle; 48m<sup>2</sup> RPA)</b><br/> <b>d) - (3.30m Radius of nominal circle; 34m<sup>2</sup> RPA)</b><br/> <b>e) - (4.50m Radius of nominal circle; 64m<sup>2</sup> RPA)</b><br/> <b>f) - (4.80m Radius of nominal circle; 72m<sup>2</sup> RPA)</b><br/> <b>g) - (3.30m Radius of nominal circle; 34m<sup>2</sup> RPA)</b></p> | <p>a) 318mm<br/>b) 318mm<br/>c) 318mm<br/>d) 254mm<br/>e) 366mm<br/>f) 381mm<br/>g) 254mm</p> | <p>15.00 m<br/>(average)</p> <p>Clear Stem<br/>Height</p> <p>2.00 m<br/>(average)</p> | <p>N 4.00 m<br/>E 5.00 m<br/>S 4.00 m<br/>W 3.00 m<br/>(Average)</p> | <p>Semi-mature</p> <p>10 yrs +</p> | <p>Tall Sycamore eastern boundary tree line. The trees are likely to be self-seeded and are all of irregular form and habit. Growth impeded by close proximity of each tree to the next. Canopy heaviest to East, with light Ivy covering most of the trees to 5.0m height.</p> | C    | Retain |
| T 20         | <p><i>Tilia x europaea</i><br/>(Lime)</p> <p><b>(9.60m Radius of nominal circle; 290m<sup>2</sup> RPA)</b></p> <p>(Subject to Tree Preservation Order No. TPO/BN/1/13 (Group 2) issued by Arun District Council)</p>                                                                                                                                                                                                                                                                                                                                                | 795mm                                                                                         | <p>11.00 m</p> <p>Clear Stem<br/>Height</p> <p>N/A</p>                                | <p>N 6.00 m<br/>E 6.00 m<br/>S 7.00 m<br/>W 5.00 m</p>               | <p>Mature</p> <p>20 yrs +</p>      | <p>Located next to drive, ditch and road. Arching secondary scaffolds. There are no signs of defects. The overall condition is deemed to fair / good. Congested basal growth of young to mature limbs.</p>                                                                      | B    | Retain |

**CATEGORY DIVISION - BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'**

| <b>Trees to be considered for retention</b>                                                                                                      | <b>1. Mainly Arboricultural Qualities</b>                                                                                                                          | <b>2. Mainly Landscape Qualities</b>                                                                                                                                                                                 | <b>3. Mainly cultural values, including conservation</b>                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Category A</b><br>- Trees whose retention is most desirable to include; trees of high quality having an estimated longevity of over 40 years; | - Trees that are particularly good examples of their species, especially if rare or unusual                                                                        | - Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features                                                                                                             | - Trees of significant historical, commemorative or other value, or good specimens of rare or unusual species |
| <b>Category B</b><br>- Trees where retention is desirable to include; trees of moderate quality having an estimated longevity of over 20 years;  | - Trees that might be included in the higher category, but because of significant impaired but remediable condition are downgraded                                 | - Trees present in numbers offering a higher collective categorisation than as individually rated; trees occurring in groups but due to situation, offering little contribution in the context of the wider locality | - Trees having some material conservation or cultural value                                                   |
| <b>Category C</b><br>- Trees of low quality having an estimated longevity of over 10 year, or young trees with a stem diameter below 150mm;      | - Trees in adequate or impaired condition, or those which can be retained with minimal tree surgery, but not worthy for inclusion in the high or moderate category | - Trees present in numbers without having significant landscape value                                                                                                                                                | - Trees having no material conservation or other cultural value                                               |

**Trees unsuitable for retention**

|                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Category U - Trees not for retention within the context of existing land use;</b> | - Trees that are unviable due to serious, irremediable structural defect; early loss is expected due to collapse;<br>- Trees that are dead or showing signs of significant, immediate, irreversible decline;<br>- Trees infected with pathogens of significance to health and subsequent safety, and threat thereof to trees nearby;<br>- Trees of very low quality suppressing the development of those of greater quality;<br>- Trees that will become unviable after the removal of other trees for reasons above. |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**CSD – Combined Stem Diameter;**

- Root Protection Areas calculated for multiple stemmed trees based upon a combined stem diameter in accordance with BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'.

- The location and constraints of existing trees and vegetation within the survey site are illustrated within drawing; LLD898/ 01 – Tree Constraints Plan.

## **Tree Inspection – Explanation Key**

**Tree Ref No.** – A unique number identifying each tree on an accompanying site plan.

**Species** – Tree Species – Recorded as a common and Latin name for species.

**Height** – Approximate tree height above ground level expressed in metres.

*(Groups of trees will be surveyed with the average height given. Where accurate heights are required these can be obtained with optical instruments.)*

### **SD – Stem Diameter**

The tree trunk stem diameter measured at 1.5 m above ground level in millimeters.

*(On sloping ground this is 1.5 m above ground level. Where two or more stems are present below 1.5 m a combined stem diameter (CSD) will be taken of each stem.) Where measurement of stem diameter is impeded the cause will be stated in brackets within the stem diameter column.*

### **Crown Spread**

The approximate extent of the spread of branches in the crown taken from the tree trunk to outer edge of general crown of individual trees or the canopy spread of the multiple trees and groups.

Measured along the four cardinal points, to derive an accurate representation of the dimensions.

*(The figure is the distance of the general crown line. In certain cases an exceptional or etiolated branch may extend beyond the stand figure.)*

### **Life Stage**

|     | <b>Life Stage</b>   | <b>Definitions</b>                                                                                                                                                                                                           |
|-----|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y   | <b>Young</b>        | Recently planted or established tree that could be transplanted with the correct equipment                                                                                                                                   |
| E/M | <b>Early-mature</b> | An established tree, but with some growth to make before reaching its potential maximum size. A tree within its first third of life span.                                                                                    |
| S/M | <b>Semi-mature</b>  | A tree reaching its ultimate potential height, whose growth rate is slowing down but if healthy, will still increase in stem diameter and crown spread. A tree in its second third of life span.                             |
| M   | <b>Mature</b>       | A mature specimen with limited potential for any significant increase in size, even if healthy. A tree within its final third of life span.                                                                                  |
| O/M | <b>Over-mature</b>  | A senescent ( <i>declining/degradation</i> ) or moribund specimen of low vigor within its final third of expected life span. Possibly containing sufficient structural defects with safety and/or duty of care implications. |
| V   | <b>Veteran</b>      | Specimen exhibiting features of biological, cultural or aesthetic value that are characteristic of, but not exclusive to, individual surviving beyond the typical age range for the specimen concerned.                      |
| D   | <b>Dead</b>         | The tree is dead and cannot be clarified as a veteran tree. Its age up till death is of no significance.                                                                                                                     |

### **Physiological Condition**

|   | <b>Condition</b> | <b>Definition</b>                                                                                                                                                                                                                                                                                     |
|---|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| G | <b>Good</b>      | Generally in good health typical of the species needing little, if any attention. Few minor defects of little overall significance such as physical damage or suppressed branches. Showing no adverse risk of failure/defects.                                                                        |
| F | <b>Fair</b>      | A tree or trees of minor but rectifiable defects or in the early stages of stress, from which it may recover. Showing minor signs of deterioration. This could include a major defect in its early life stage, or multiple minor defects. A tree that may require work to remove or improve a defect. |
| P | <b>Poor</b>      | A tree or trees with major structural and physiological defects or stressed such that it would be a risk to retain in its current or future known situation. Unlikely to return to a good condition given time or remedial work.                                                                      |
| D | <b>Dead</b>      | A tree or trees no longer alive. However, this could also apply to those trees that are dying and will be unlikely to recover, or are becoming or have become dangerous.                                                                                                                              |

### Structural Condition

The structural condition is defined by the presence of any decay pathogens and/or physical defects and problems following inspection of the root and buttress area, trunk, branches, both primary and secondary and crown including twigs, leaves and buds.

### Recommendations (*Remedial Action*)

In order to identify priorities and assist in tree management recommended works are categorized according to the perceived level of urgency that the recommended treatment requires.

Prioritization considers:

- Significance of any identified defect such as the presence of any decay and/or physical defect based on root and buttress area, trunk, scaffold limbs and crown
- Tree size, or tree part considered likely to fail.
- Nature of target area vulnerable to direct impact from tree or part, considered likely to fail and apparent frequency of target area usage.
- Apparent imminence of failure of the identified tree or part

Included are any recommendations for further investigation of suspected defects that require more detailed assessment, decay detection, Ivy removal and other obstruction or potential for wildlife habitat.

Arboricultural works are specified and should be carried out in accordance within the guidelines of the British Standard **BS3998: 2010 'Recommendations for Tree Works'**

### Work Priority

Based on the collection of data above, the management recommendations are categorised by priority in accordance with the below table.

| Priority  | Response                                                             |
|-----------|----------------------------------------------------------------------|
| Urgent    | Immediately or within 24 hours                                       |
| Very High | Within 30 days                                                       |
| High      | Within 3 months                                                      |
| Moderate  | Within 12 months / or as part of scheduled maintenance               |
| Low       | Work to be carried out as and when at the owners/managers discretion |

### Inspection Frequency

A period of time specified in months and/or years that this tree should undergo a full and detailed inspection as could also be determined in the above recommendations and work priority.

### Dead wood / Wound Wood

| Dead wood / Wound       | Definition / Size                                      |
|-------------------------|--------------------------------------------------------|
| Twigs / notch           | Small branch material or wound up to 5 cm in diameter. |
| Minor dead wood / wound | Dead wood or wound 5 cm to 10 cm in diameter.          |
| Major dead wood / wound | Dead wood or wound 10 cm in diameter and above.        |

### Target - (Definition of risk (Target either people, vehicles and/or property))

| Risk      | People                 | Property                | Vehicular                         |
|-----------|------------------------|-------------------------|-----------------------------------|
| Very High | 36 per hour - Constant | £200,000 > or inhabited | Major trunk roads, built up area  |
| High      | 10 – 100 per hour      | £50,000 - £200,000      | Principle road, non-built up area |
| Medium    | 1 – 10 per hour        | £10,000 - £50,000       | Minor road moderate use           |
| Low       | < 1 per hour           | £2,000 - £10,000        | Minor road low use                |
| Very Low  | < 1 per day            | £100 - £2,000           | Private roads and tracks          |
| Unlikely  | < 1 per week           | £10 - £100              | None                              |

Risks can alter depending on variables which need to be taken into consideration at the time of inspection