| (For details, see below)         |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|----------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Tree                             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No. of<br>Trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|                                  | to be removed<br>to be pruned |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|                                  | •                             | excavation needed within RPAs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|                                  | Т                             | ees to be Removed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| No                               |                               | Species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 12 Flowering cherry              |                               | herry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C (123)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Trees that will require pruning. |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| No.                              | Species                       | Works (outline only*)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|                                  |                               | Crown lift to clear all pendulou<br>a maximum of 8m above grou                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| 1                                | London plane                  | subsidiary branches back to s<br>historic knuckle (@ approx. 10<br>sub-dominant stem growing to<br>overhanging boundary, emana<br>east fork at crown break. Rem<br>pendulous branches from und<br>ascending dominant regrowth                                                                                                                                                                                                                                                                                                                                                                                           | hanging boundary wall; remove four<br>subsidiary branches back to stem and<br>historic knuckle (@ approx. 10m) of<br>sub-dominant stem growing to north and<br>overhanging boundary, emanating from<br>east fork at crown break. Remove<br>pendulous branches from underside of<br>ascending dominant regrowth branch from<br>historic knuckle (@ approx. 10m) over<br>hanging site boundary.                                                                                                                                                                                                                                                                                                                                                  |  |
| 2                                | London plane                  | laterally to north and overhang<br>boundary back to trunk just be<br>north side of trunk at approx. I<br>dominant ascending stem also<br>from below cavity on north sid<br>remove one subsidiary pendu                                                                                                                                                                                                                                                                                                                                                                                                                  | Remove sub-dominant branch growing<br>laterally to north and overhanging site<br>boundary back to trunk just below cavity on<br>north side of trunk at approx. 5m. On<br>dominant ascending stem also emanating<br>from below cavity on north side of trunk,<br>remove one subsidiary pendulous branch at<br>approx 9m on north side of stem.                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| 3                                | London plane                  | <ul> <li>(a). Reduce large lateral scaff</li> <li>8m) on north-west side of trun<br/>overhanging site, back to histo<br/>stub directly over boundary ar<br/>from the trunk bringing the pro-<br/>in line with existing canopy.</li> <li>(b). Reduce north-east branch<br/>north side of trunk), branch 'ki<br/>north-east at approx. 8m from<br/>limb back to the third fork, lease<br/>ascending branch and removi</li> </ul>                                                                                                                                                                                          | <ul> <li>(a). Reduce large lateral scaffold branch (@<br/>8m) on north-west side of trunk and notably<br/>overhanging site, back to historic pruning<br/>stub directly over boundary and approx. 8m<br/>from the trunk bringing the protrusion back<br/>in line with existing canopy.</li> <li>(b). Reduce north-east branch (@ 10m<br/>north side of trunk), branch 'kinks'<br/>north-east at approx. 8m from trunk, reduce<br/>limb back to the third fork, leaving the<br/>ascending branch and removing the lateral,<br/>approx. 3m from the 'kink' above boundary.</li> </ul>                                                                                                                                                             |  |
| 4                                | London plane                  | <ul> <li>(@ 10m) at approx. 1.5m forks sub-dominant branches, one of to boundary, the other protrud and overhangs boundary; at a from the fork, the branch forks ascending branch and a descependulous branch: remove the branch back to the fork.</li> <li>(b). Branch emanating on north trunk (@ 10m), grows north for 1.5m before it 'kinks' into a despendulous form and overhang remove this branch back to tru (c). Approx. 1m above crown I 12m) on north stem, subdomin pendulous branch grows to no approx. 2m from north stem, back to remove the subsidiary branches north overhanging boundary:</li> </ul> | <ul> <li>(b). Branch emanating on north side of trunk (@ 10m), grows north for approx.</li> <li>1.5m before it 'kinks' into a descending, pendulous form and overhangs boundary; remove this branch back to trunk.</li> <li>(c). Approx. 1m above crown break (@ 12m) on north stem, subdominant pendulous branch grows to north-west; approx. 2m from north stem, branch 'kinks' after two subsidiary branches and grows to north overhanging boundary: reduce branch back to 'kink' leaving the two subsidiary</li> </ul>                                                                                                                                                                                                                    |  |
| 5                                | London plane                  | <ul> <li>(a). Remove north-east branc<br/>at approx. 10m and immediate<br/>knuckle where the only survivi<br/>branch has been chopped off</li> <li>(b). Reduce two heavy branch<br/>to the north-east and overhan<br/>back to appropriate pollard po<br/>4m from the wall.</li> <li>(c). Remove first branch on no<br/>that emanates from west fork<br/>and the north-west branch from<br/>back to fork at 1m from junctio<br/>remove the lateral branch that<br/>overhangs the site. On north p<br/>branch, emanating from 1m fro-<br/>pollard point, remove first sub</li> </ul>                                      | <ul> <li>(a). Remove north-east branch emanating at approx. 10m and immediately forming a knuckle where the only surviving bit of the branch has been chopped off at 2.5m.</li> <li>(b). Reduce two heavy branches that grow to the north-east and overhang the site back to appropriate pollard points at approx. 4m from the wall.</li> <li>(c). Remove first branch on north-west side that emanates from west fork above 1.5m and the north-west branch from this point, back to fork at 1m from junction point to remove the lateral branch that heavily overhangs the site. On north part of this branch, emanating from 1m from former pollard point, remove first sub-branch which descends and heavily overhangs the site.</li> </ul> |  |
| 6                                | London plane                  | <ul> <li>south stem, which emanates a main trunk bifurcation point at reduce back to third sub-brane ascending sub-branch almost line of existing building, to rempart of branch below.</li> <li>(b). Reduce two low branches northern stem which overhang approx. second sub-branch in Both branches emanate from at approx. 10m.</li> <li>(c). Remove low bowed branc emanates from main knuckle stem at approx. 10m and grow</li> </ul>                                                                                                                                                                              | <ul> <li>(b). Reduce two low branches from upright<br/>northern stem which overhangs site back to<br/>approx. second sub-branch in both cases.</li> <li>Both branches emanate from main knuckle<br/>at approx. 10m.</li> <li>(c). Remove low bowed branch that<br/>emanates from main knuckle on eastern<br/>stem at approx. 10m and grows to NW, this<br/>branch is overtopped by the canopy of tree</li> </ul>                                                                                                                                                                                                                                                                                                                               |  |
| 7                                | Tree of heave                 | <ul> <li>(a). Remove lowest branch of stem which emanates at appropriate and the stem which emanates at appropriate and the stem of the stem.</li> <li>(b). Crown lift pendulous brain the stem of the stem.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                 | (b). Crown lift pendulous branches to approx. 8m above ground level on north                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| 8                                | Fig                           | site boundary to provide clear<br>enable demolition of existing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lightly reduce S side of canopy back to<br>site boundary to provide clearance to<br>enable demolition of existing wall, floor<br>and associated foundations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| 9                                | Tree of heave                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Crown lift branches on north side of canopy, overhanging site, to approx. 8m above ground level.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| 12                               | Flowering che                 | ry Fell to ground level and rem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ove stump.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 13                               | Portuguese<br>laurel          | Prune north-west extent of c<br>touching boundary wall, bac<br>pruning points leaving it app                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | k to previous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |

These works will not be undertaken until the extent of pruning has been checked and confirmed by the appointed Arboricultural Consultant and the LPA Tree Officer once the existing buildings have been demolished. Pruning is to be undertaken in accordance with the British Standard Recommendations for Tree work, BS3998: 2010.

Climbing irons or spikes are not to be used whilst pruning trees. Pruning will be undertaken according to the principles of good arboricultural practice as stated in Arboriculture Research Note ARN 48 'A Definition of the Best Pruning Position' (AAIS, 1983). When removing branches, care will be taken to cut back to the branch bark collar or ridge so as not to leave a stub that could provide a food base for decay fungi; yet not to cut into or beyond this collar or ridge. Where limbs or branches are to be shortened they will be cut back cleanly to a vigourous side branch, leaving the branch bark ridge and collar intact. At their point of origin, retained side branches intended to form the new dominant shoot shall be at least 30% of the diameter of the parent branch at the pruning point.

Tree Felling (🕱) Felling is defined as the cutting down of a tree to a point as close to ground level as is reasonably practicable, but no higher than 100mm above surrounding ground level. (Unless a tree has pronounced buttress roots which makes this impractical, in which case it should be cut to as close to 100mm as possible). Felling shall be carried out in a controlled manner, using guide ropes where appropriate to ensure that trees or branches fall away from buildings, equipment, and other trees and understorey shrubs. Where necessary, trees should be dismantled and removed in sections rather than felled from the ground to prevent them falling into, and damaging buildings, equipment, vehicles and the crowns of other trees. No part of any tree shall fall outside the boundaries of the premises unless prior agreement has been reached with the adjacent landowner, and the client has been informed in advance. In order to allow time for bats to re-locate, trees that are covered with dense ivy will be left for a period of 24 hours prior to cutting up or removal.

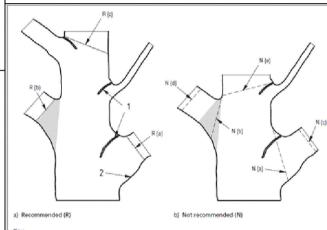
## Pruning

Pruning shall be undertaken following the principles of good arboricultural practice as stated in British Standard BS 3998: 2010. The positions of final pruning cuts will comply with Figure 2 'Positions of final cuts' at p23 of this document, as shown below.

Where aerial growth is to be removed, great care shall be taken not to leave a stub which may provide a food base for both fresh wound parasites and decay fungi.

Where a limb, branch or leader is to be shortened it shall be cut back cleanly to a vigorous side branch leaving the branch bark ridge and branch collar intact. Retained side branches intended to form the new dominant shoot shall be at least 30% of the diameter of the parent branch at the pruning point. Injury of the wood and bark of the parent stem or branch above the cut will also be avoided.

The contractor shall relate the position of any individual final pruning cut to the form of the canopy as a whole, so that upon completion of the work the tree has as natural an appearance (for the species) as constraints allow.



Branch bark ridges Branch collar

(a) Cut where branch collar and branch bark ridge are apparent R(b) Cut where neither branch bark ridge nor branch collar are apparent

R(c) Position for end-cut in crown reduction – maximum size of cut in relation to size of lateral branch N(a) Cut too close (removing the branch collar and cutting into the bark branch ridge) N(b) Cut too close (injuring parent stem in the crotch and too steeply angled) N(c/d) Cut too far out, leaving a stub (but see C.2, Note 2 for exceptions)

N(e) Incorrect end cut (made beyond a branch that is too small, but see 7.2.4 regarding groups of branches rather than one branch of a required size) ...... Recommended cut

Basal flare of the branch that does not show a distinct collar or ridge

NOTE The optimum position and angle of the end-cut cannot be exactly prescribed, as branch unions vary considerably in their conformation.

## Crown Lifting

Crown lifting is defined as the removal of all soft growth and branches or parts thereof within the limits prescribed by the Schedule of Works, which are below or which extend below the height specified therein.

Ascending branches that originate below the specified height, and have no foliage below this point, shall be retained unless otherwise specified. Descending branches that originate above the specified height, and have foliage below this point, shall be reduced back to the closest appropriate junction point to the desired height.

Crown lifting may result in the canopy base being not at one single level but stepped to allow for different clearances, for example where a tree overhangs both a footway and a road where different height clearances are required.

## Stump Removal

Stump removal is defined as the action taken to physically remove the stump of a felled tree from the ground. The schedule specifies that tree stumps are to be removed in one of the following two ways:

Ground out. ("chipping" and "cutting" are synonymous with grinding) Stumps shall be ground to a minimum of 300mm below ground level with a proprietary machine which may be self-powered or driven from a power take-off shaft. Where stumps are to be ground out the Contractor is responsible for satisfying himself as to the whereabouts of any underground services or apparatus.

Where the intention of stump grinding is to reduce the potential for the spread of Honey fungus, it should normally extend through the base of the stump, leaving the major roots disconnected.

Removed. Stumps may be ground out as above; or alternatively may be dug or grubbed out with an excavator or a winch. The Contractor is responsible for satisfying himself as to the whereabouts of any underground services or apparatus.

Following stump removal, backfilling with previously saved topsoil or, if necessary, an imported soil of similar texture will be undertaken in 150 mm layers, with firming by treading to ensure that no air pockets are left. The soil will be left at a height of approximately 75mm above the surrounding soil, to allow for future settlement.

