

ARBORICULTURAL METHOD STATEMENT

REPLACEMENT TREE PLANTING (REFER TO PRIMARY TPP FOR ALL OTHER MATTERS)

A) PRELIMINARY MATTERS

- No plant access is permitted for planting operations within the RPAs of retention trees, excepting only where appropriate temporary ground protection has been installed
- Trees for removal within the RPA of retention trees shall have their stumps ground out (by tree contractors)
- Stumps from felled trees not in proximity to retention trees (beyond RPAs) can be grubbed out
- Operatives to be briefed by FLAC on the precautions to be observed for working within the RPA

B) REMOVAL OF PHYSICAL TREE PROTECTION MEASURES

- To enable planting activities tree protection fencing (TPF) shall be removed to allow access and working space for the subject areas. If construction operations are still ongoing then TPF not directly affecting landscaping works is to be retained.
- The Temporary Ground Protection (TGP) that lies within the areas for planting shall be removed so as to minimize traffic movement upon unprotected ground, working backwards across the TGP. Once removed there must be no plant or vehicle movements over the RPAs formerly protected.

C) PROHIBITIONS & PRECAUTIONS

- Landscaping operations necessitate access and activity within the root protection areas (RPAs) of retained trees. Within this zone, the following activities are strictly prohibited during planting works (other than as described below):
  - Excavation / lowering of levels into rootable soil: removal of surface organic matter using hand tools is acceptable; general scraping or reduction in depth of topsoil is not, tree planting pits to be excavated manually using hand tools
  - Roots >25mm in diameter are to be retained, roots <25mm in diameter may be pruned back, making a clean cut with a suitable sharp tool (e.g. bypass secateurs or handsaw), except where they occur in clumps. Roots occurring in clumps or of 25 mm diameter and over should be severed only following consultation with an arboriculturist, as such roots might be essential to the tree's health and stability.
  - Operation, transit or storage of plant, and storage of materials, including demolition arisings, other than on ground protection
  - Storage or handling of any chemical substance injurious to trees, including fuels, oils, lubricants and cement washings

D) GROUND PREPARATION

- Temporary ground protection within the areas for planting must be carefully removed, in a sequential manner, working backwards across the protection without causing compaction of the ground within RPAs. This process will restore the original ground levels. Some degree of compaction may have occurred but this should only be shallow and within the uppermost horizon of the soil
- Surface compaction is to be re-mediated by simply forking the ground, manually with hand tools, to break any compacted soil to improve conditions for plant growth, moisture permeability and gaseous exchange. When planting, the soil around the planting position for each shrub and plant must be broken and worked to allow good contact between soil and roots without voids or impenetrable compacted lumps of soil. Any foreign bodies within the soil are to be removed.

E) PLANTING

- Planting work is to be undertaken by appropriate, experienced personnel in accordance with the provisions below:
  - Species - As listed in schedule on plan
  - Stock - Containerized
  - Size - As listed in schedule plan
  - Locations - As marked on the plan provided
  - Timing - Trees and shrubs will be containerized stock, although planting of containerized trees is possible throughout the year summer planting requires greater aftercare and watering to prevent early losses. For this reason dormant season planting from November through to the end of February/ beginning of March is preferable (i.e. before the trees become active). If planting is to be undertaken in advance of the dormant season regular watering must take place to reduce the potential for plant losses (see watering schedule below).

F) AFTERCARE

- Maintenance will be necessary during the establishment period to minimize competition by weed species and to replace losses, natural or otherwise
- In the first two years weeding must take place twice, in mid Summer and mid Autumn. The best method will be by hand because the weed plants will be relatively new and easy to pull out of the ground
- At successive visits for weeding an assessment of any losses can be made and used to inform the replacement planting in the next planting season
- Any losses are to be replaced (beating up) in the next planting season from November to the end of March but avoiding prolonged periods of waterlogging, frozen ground or snow cover

G) WATERING

- If planting takes place before the dormant season (Nov-Mar) a program of regular watering is to be carried out to avoid drought stress losses. Watering must occur 3no. times per week from the time of planting to the end of September, at the following volumes per tree and shrub sizes:
  - CBLg 20 litres per visit
  - CB, CM, SA 15 litres per visit
  - All shrubs 5 litres per visit
- Localized rainfall may be a consideration but normal rainfall cannot be relied upon to provide sufficient water for new plants during the growth season. Any losses will need to be replaced within a timeframe determined by planning conditions so successful establishment is important.

Notes

- Do not scale off dwg - refer to tree survey data schedule for crown spreads etc
- Tree group outlines follow the topo survey base
- Drawn to N unless otherwise indicated



Client  
Knowles & Son (Oxford Ltd.)

Instruction  
Upper Redlands Road

Instruction ref.  
CC31-1036

Dwg title  
Replacement Tree Planting Plan

Dwg no.  
31-1036.07 - A

Rev. A Date  
10.08.17

Scale  
1:250 @ A1

Quality & value grades:

Category A High

Category B Moderate

Category C Low

Category U Unretainable

Crown outline coding:

Retained trees

Indicative tree root protection area (retention trees only)

No-dig surface

Temporary ground protection to be replaced with No-Dig surface

Area to receive new tree and shrub planting

New tree position with species code

New shrub position with species code

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Table 1 – Tree and shrub planting schedule

| Type of plant               | Species code | Common name<br>Cultivar | Botanical name            | Size (either stem girth/cm or pot size/litres) | No. of plants<br>Area A | No. of plants<br>Area B | No. of plants<br>per species<br>A+B |
|-----------------------------|--------------|-------------------------|---------------------------|------------------------------------------------|-------------------------|-------------------------|-------------------------------------|
| Trees                       | CB(Lg)       | Hornbeam                | <i>Carpinus betulus</i>   | 16-18cm                                        | 1                       | 1                       | 2                                   |
|                             | CB           | Hornbeam                | <i>Carpinus betulus</i>   | 12-14cm                                        | 2                       | 1                       | 3                                   |
|                             | CM           | Hawthorn                | <i>Crataegus monogyna</i> | 10-12cm                                        | 1                       | 2                       | 3                                   |
|                             | SA           | Rowan                   | <i>Sorbus aucuparia</i>   | 12-14                                          | 3                       | 3                       | 6                                   |
| Shrubs                      | CA           | Hazel                   | <i>Corylus avellana</i>   | 3L                                             | 8                       | 13                      | 21                                  |
|                             | RF           | Alder buckthorn         | <i>Rhamnus frangula</i>   | 3L                                             | 8                       | 11                      | 19                                  |
|                             | VO           | Guelder rose            | <i>Viburnum opulus</i>    | 3L                                             | 8                       | 11                      | 19                                  |
| Number of plants per area/s |              |                         |                           |                                                | 31                      | 42                      | 73                                  |