

LANDSCAPE AND OPEN SPACE TREE STRATEGY

A network of tree planting is proposed across the site. Avenue trees establish the primary route, and other large growing species are used to mark feature locations. New and enhanced tree belts at the site edges contribute to the 'grounding' of the buildings in their location and assist with visual mitigation from close and middle distance views. Tree selection is robust, with a strong proportion of native species and their close cultivars.

- PUBLIC REALM (LABS/OFFICE) TREES**
- Gleditsia triacanthos 'Skyline'
 - Liriodendron tulipifera
 - Carpinus betulus (Box Head)
 - Prunus 'Accolade'
 - Hippophae salicifolia 'Streetwise'
 - 50% Amelanchier lamarckii (multi-stem) and 50% Salix caprea
 - Osmanthus x burkwoodii (multi tier specimen) in raised planters
 - Betula utilis jacquemontii 'Trinity College'
 - Small flowering trees to include Cercis chinensis 'Avondale' (multi-stem), Amelanchier 'Obelisk,' and Cornus 'Eddie's White Wonder'

- STREET TREES**
- Platanus x hispanica
 - Ulmus 'New Horizon'
 - Gleditsia triacanthos 'Drave's Streetkeeper'
 - Corylus colurna
 - Tilia cordata 'Greenspire'
 - Acer campestre 'Elsrijk'
 - Malus tschonoskii
 - 60% Betula nigra & 40% Betula pubescens
 - Betula utilis jacquemontii 'Trinity College'
 - Amelanchier lamarckii (multi-stem)

- CHESTERTON GARDENS (RESIDENTIAL) TREES**
- Alnus glutinosa 'Imperialis'
 - Liquidambar styraciflua 'Worplesdon'
 - Quercus palustris
 - Tilia cordata 'Winter Orange'
 - Prunus 'Pandora'
 - Amelanchier lamarckii (multi-stem)
 - Pyrus calleryana 'Chanticleer'
 - Betula utilis var. jacquemontii
 - Amelanchier lamarckii 'Robin Hill'
 - Small flowering trees: Magnolia stellata, Cercis canadensis and Malus 'John Downie'

- Existing trees/woodland edge
- Site Boundary



LANDSCAPE AND OPEN SPACE TREE STRATEGY PUBLIC REALM



Liriodendron tulipifera



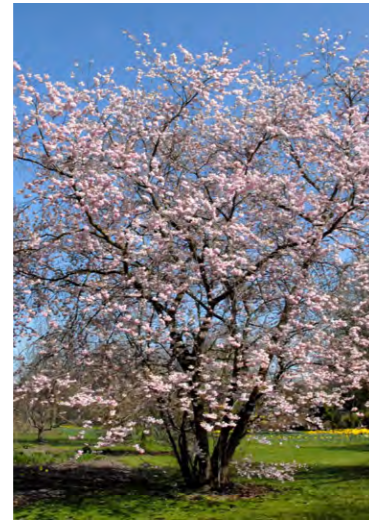
Carpinus betulus pruned as 'box headed'



Gleditsia triac. 'Skyline'



Amelanchier lamarckii



Prunus 'Accolade'



Hippophae salicifolia 'Streetwise'



Gleditsia triacanthos 'Skyline'



Betula 'Trinity College'



Cercis 'Avondale'



LANDSCAPE AND OPEN SPACE TREE STRATEGY: STREET TREES



Plantanus x hispanica



Ulmus 'New Horizon'



Gleditsia tria 'Daves Streetkeeper'



Trees in combination with underplanting in rain garden



Corylus colurna



Acer campestre 'Elsrijk'



Malus tschonoskii



Large growing species form strategic avenue



Betula nigra



Betula 'Trinity College'



Amelanchier 'Robin Hill'



Trees in hard paving, to include underground root cells and underground guying

LANDSCAPE AND OPEN SPACE

TREE STRATEGY: RESIDENTIAL GARDENS



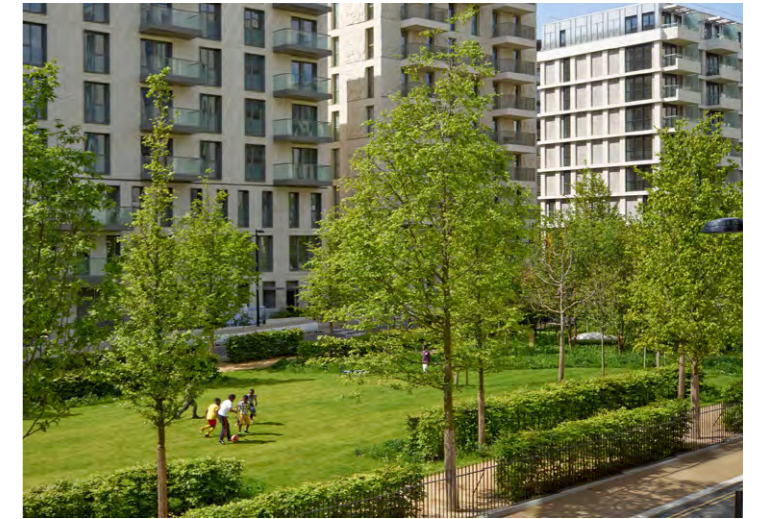
Amelanchier lamarckii (multi-stem)



Alnus glutinosa



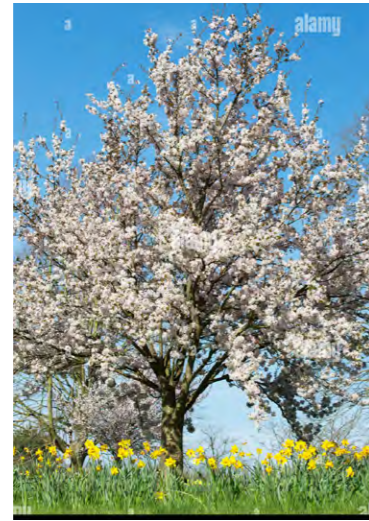
Liquidambar styraciflua 'Worplesdon'



Trees and lawn combine for shading/coolness and well-being



Quercus palustris



Prunus 'Pandora'



Pyrus calleryana 'Chanticleer'



Low branching and multi-stem trees in planting



Malus 'John Downie'



Tilia 'Winter Orange'



Betula nigra







Birch groves at entrances to residential gardens

LANDSCAPE AND OPEN SPACE

TREE ROOTCELLS

Each proposed species has been reviewed for its long-term root growth requirements.* All trees planted within hard surfaces have underground root cell structures proposed. Those planted in limited soft landscaping also often require additional protected rootspace below adjacent hard paving. Root cell layers are 1200 deep wherever possible, with a few limited to 600mm depth adjacent to basements. All specialist accessories are specified to enable air and irrigation to reach the root space.

*Using Tree Soil Volume Guide by GreenBlue Urban

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 Extent of proposed underground root cells under hard surface
 500 x 500 x 1200mm deep cells, supplied by Green Blue Urban or similar
- 
 Alternate over basements: Extent of proposed underground root cells under hard surface
 500 x 500 x 600mm deep cells, supplied by Green Blue Urban or similar
- 
 Basement extent
- 
 Site boundary

