

Appendix 4

Linwood Cemetery Plant List¹ (August 2005)

TREES			
Common name; (approximate number)	Species name ²	Period of planting ³	Recommendation
Wattle; (4)	<i>Acacia spp.</i>	1980s; Boundary /wilding	Remove wildings
Box elder (4)	<i>Acer negundo</i>	1980s & 2000s; Boundary	Remove poor formed specimens
Irish Strawberry tree (6)	<i>Arbutus unedo</i>	1980's; "Original" graveside/wilding	Monitor, need careful management with removal where causing damage to graves. Remove wildings
Sheoak (2)	<i>Casuarina cunninghamiana</i>	1980s; Boundary	Monitor growth and form
Cedar (2)	<i>Cedrus spp.</i>	1930s & 90s; 'Sextons Cottage' lawn	Remove small damaged Atlantic cedar
Lawson cypress (3)	<i>Chamaecyparis lawsoniana</i>	Pre-1900s & 50-60s; "Original"; 'Sextons Cottage' lawn	Remove when vigour fails. Take cuttings of pre-1900s trees as stock for when those pre-1900 trees need replacement.
Cabbage tree (2)	<i>Cordyline australis</i>	1950s & 90s; Boundary/wilding?	Generally acceptable to retain
Arizona cypress (4)	<i>Cupressus arizonica</i>	1950s, 80s and 2000s; Boundary	Monitor growth and form
Coffin cypress (40)	<i>Cup. funebris</i>	2000s; row-end planting in northern part of cemetery	Not a long-term appropriate species choice; transplant to another site and replace with yew
Grey cypress (7)	<i>Cup. glabra</i>	1970s & 80s; Boundary	Monitor growth and form
Leyland cypress (10)	<i>Cup. leylandii</i>	1950s and 90s; Boundary	Monitor growth and form; remove damaged young specimen
Macrocarpa (15)	<i>Cup. macrocarpa</i>	Pre-1900s, 30s & 70s; "Original"; Boundary	Monitor, needs careful management re shading of neighbours

¹ Based on site observation by D McKenzie, Principal - Landscape Architecture, Opus, Christchurch and correlated with draft tree survey sheets prepared by D Steinegg, Tree Officer, Greenspace Unit, CCC

² Within the species listed there may be small numbers of varieties or 'close relations' of a particular species.

³ This category gives an approximate indication of when planting may have taken place and where the majority are located. "Original" implies the species was likely to be planted during the early period of the cemetery's development, though the current specimens may result from replacement planting.

			on Butterfield Ave; remove damaged specimens. Take cuttings of the pre-1900 trees as stock for when those pre-1900 trees need replacement.
Pencil pine (14)	<i>Cup. sempervirens</i>	1950s; "Original"; graveside and lawn	Monitor growth and form
Himalayan cypress (1)	<i>Cup. torulosa</i>	1950s; "Original"; lawn	Monitor growth and form
Purple akeake (6)	<i>Dodonaea viscosa</i> 'Purpurea'	1980s; Boundary	Monitor growth and form
River red gum (3)	<i>Eucalyptus camaldulensis</i>	1980s; Boundary	Monitor, needs careful management re shading of neighbours; consider removal before individual specimens become too large for location
Yellow gum (11)	<i>Euc. leucoxydon</i>	1970s; Boundary	Monitor, needs careful management re shading of neighbours; consider removal before individual specimens become too large for location
Narrow leafed gum (4)	<i>Euc. nicholli</i>	1980s & 2000s; Boundary	Monitor, needs careful management re shading of neighbours; remove damaged young specimen; consider removal before individual specimens become too large for location
Manna gum (6)	<i>Euc. viminalis</i>	1980s; Boundary	Monitor, needs careful management re shading of neighbours; consider removal before individual specimens become too large for location
White ash (11)	<i>Fraxinus americana.</i>	1980s; Boundary	Monitor, needs careful management re shading of neighbours
Manna ash(2)	<i>Frax. ornus</i>	1970s, 90s and 2000s; Boundary	Monitor growth and form; remove damaged young specimens
Holly (8)	<i>Ilex aquifolium</i>	1950s to 2000s; "Original"; Graveside/wilding	Generally can remain; regular maintenance is required. Remove

			wildings
Jeffery pine (2)	<i>Pinus jeffreyi</i>	1950s; Boundary	Monitor growth and form
Corsican pine (1)	<i>Pin. nigra</i>	1960s; Boundary	Monitor growth and form
Maritime pine (15)	<i>Pin. pinaster</i>	1990s & 2000s; Boundary and Lawn; replacements for <i>Pinus radiata</i>	Monitor growth and form; Manage adjacent mature pine so replacements develop good form; remove damaged specimens
Monterey pine (42)	<i>Pin. radiata</i>	Pre-1990s, 50s, 80s & 2000s; "Original"; Boundary, lawn/wilding	Monitor; general health and stability will become an issue as trees become old and moribund; need careful management re shading of neighbours on Butterfield Ave; Remove where inappropriately planted, remove damaged specimens and wildings
Scotch pine (7)	<i>Pin. sylvestris</i>	1980s & 2000s; Boundary and lawn; replacements for <i>Pinus radiata</i>	Monitor growth and form; Manage adjacent mature pine so replacements develop good form
Pittosporum (6)	<i>Pittosporum spp.</i>	1980s & 90s; Boundary	Monitor growth and form
Lombardy poplar (35)	<i>Populus nigra 'Italica'</i>	1940s; "Original" Boundary and Lawn	Monitor; general health and stability will become an issue as trees grow old.
Pin oak (3)	<i>Quercus palustris</i>	1990s; Boundary	Monitor growth and form; remove damaged specimen
Robinia (19)	<i>Robinia pseudoacacia</i>	1980s; Boundary	Monitor growth and form; remove damaged specimens
Pepper tree (1)	<i>Schinus molle</i>	1980s; Boundary	Monitor growth and form
Wellingtonia (5)	<i>Sequoia giganteum</i>	1930's; "Original"; 'Sextons Cottage' Lawn	Monitor growth and form, remove two moribund specimens. Replacement is acceptable.
Common yew (8)	<i>Taxus baccata</i>	1930s & 1990s; "Original"; Graveside/wilding	Monitor growth and form
Irish yew (34)	<i>Tax. bac. 'Fastigiata'</i>	Pre-1990s, 30s, 80s & 2000s; "Original";	Monitor growth and form

		Graveside/wilding	
White cedar (3)	<i>Thuja occidentalis</i>	1950s; Boundary	Remove damaged species
Common lime (2)	<i>Tilia x europaea</i>	1950s; Boundary	Monitor growth and form
Chinese fan palm (3)	<i>Trachycarpus fortunei</i>	1930s & 1970s; Graveside/wilding	Monitor growth and form
English elm (9)	<i>Ulmus procera</i>	1950s & 1990s; Boundary and Lawn	Monitor growth and form
Total: 360			

Shrubs			
Common name; (approximate number)	Species name	Period of planting	Recommendation
Camellia	<i>Camellia spp.</i>	"Original?"/ recent planting; Graveside	Monitor growth and form
Hebe	<i>Hebe spp.</i>	Recent planting; Graveside	Monitor growth and form. Consider not replacing should individual plants die.
Pampas grass	<i>Pampas selloana</i>	Wilding; Boundary	Remove ASAP
Bush and rambling roses	<i>Rosa spp.</i>	Recent planting; Graveside	Monitor growth and form; Consider not replacing should individual plants die.
Lavender, rosemary and various perennials	Various	Recent planting; Graveside	Generally can remain but careful and regular maintenance is required e.g. pruning. Consider not replacing should individual plants die.



Overhanging Macrocarpa



Cut back Yew(?) and recent plantings



Mature pine (centre) and other mature trees in background.



Mature yews as part of grave site (centre left) and to the right of the Peacock Monument (centre back)