

# **Design Principles**

# (A) Connecting 'The Mills' to the River

- Reuse of truss frames as a structuring element in the landscape to visually connect the Mills building with the River
- Formal, regular arrangement of elements throughout the public domain that allows a physical public connection between the River and 'The Mills'.
- Use of materials in the landscape that are sympathetic to the heritage character

## (B) Well designed public spaces

- High quality forecourt to Mills Building: active and engaging
- Linear public park: defined by sculptural frame, comfortable thoroughfare with landscape pockets to gather within
- Open River-front Parkland: interaction with the water and important public access
- connection via board-walk
- Public access to connect to Georges River

# (C) Legible private and Communal spaces

- Clearly defined separation between public and private areas
- High quality, communal garden for the enjoyment and interaction of residents

Streetscape Upgrades

1\_ Shepherd St: New Lophostemon confertus and Corymbia maculata street trees in mass planted verge

#### 2\_ Loading zone

- 3\_ Existing trees to be removed shown in red. Refer Arborist Report. Extension of active edge along heritage building
- 4\_ Atkinson St: New Tristainiopsis laurina street trees in mass planted verge
- 5\_ New Tristainiopsis laurina street trees in mass planted verge
- 6\_ New 2m wide Footpath

Public Plaza + Riverfront Link

- 7\_ New public plaza- refer to LA3
- 8\_ Public connection from The Mills to the River: Refer to LA3
- 9\_Bioswale for the collection and treatment of stormwater Private Communal Garden

10\_ Seating pods surrounded by mass planting for privacy.

#### Refer to LA4 Private Gardens

- 11\_ Low shrubs and screening plants to provide privacy to terraces, with small, Cumberland plain tree planting to each garden
- 12\_ Private footpath and stair access to ground floor terrace apartments with potential access to future boardwalk

#### Riverfront

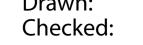
13\_Riverbank Riparian zone. Location of potential future boardwalk subject to council plans

20 Shepherd Street, Liverpool

**ASPECT Studios**<sup>™</sup>







Date:

July 2015

Dwg Title.: Landscape DA Ground Floor Plan Dwg no.: 14048- LA\_1







20 Shepherd Street, Liverpool

| Dwg

Dwg Title.: Landscape DA Roof Terraces Plan
Dwg no.: 14048- LA\_2 Rev C





20 Shepherd Street, Liverpool

Dwg Title.: Landscape DA Public Open Space Dwg no.: 14048- LA\_3 Rev C





20 Shepherd Street, Liverpool



### Key

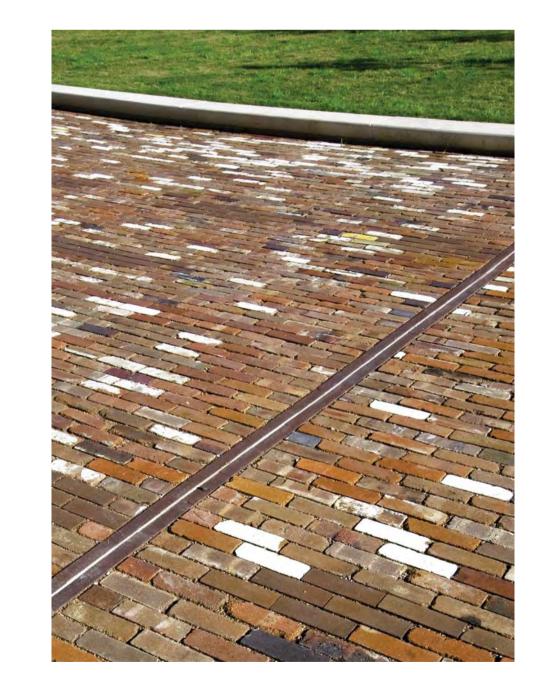
- 1\_Decomposed granite seating area
- 2\_Rasied planters to private terraces with mass planting and trees
- 3\_ Raised corten steel planter with trees and low planting with a 1m depth to allow tree planting
- 4\_Seating
- 5\_ Ornamental tree
- 6\_Outdoor dining
- 7\_Recycled steel truss structure

Section AA - 1:200 Boardwalk, Building B, Garden Links, Heritage Building and Plaza



### Key

- 1\_ Private terrace to ground floor apartment
- 2\_ Retaining wall to mounded planting
- 3\_Recycled steel trusses used to form frame
- 4\_Corten planters with a depth of 1m for tree planting
- 5\_Mass planted beds mounded to achieve 1m soil depth 6\_Recycled brick paving





Section BB- 1:50 Public Open Space Corridor

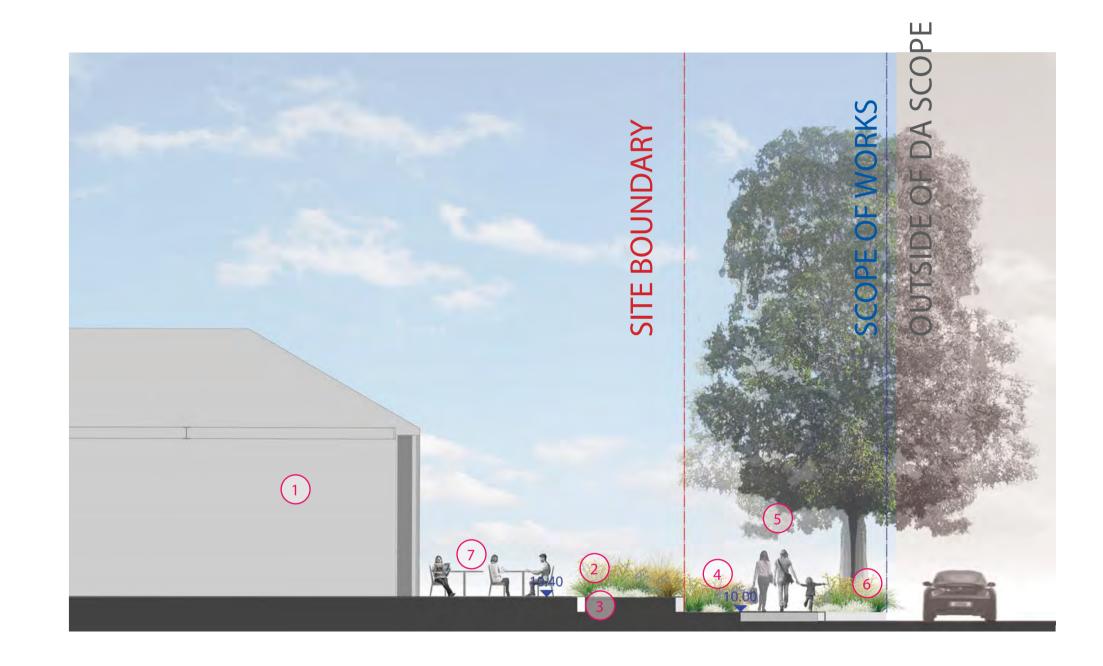
20 Shepherd Street, Liverpool











Section CC - 1:100 Residential Apartment and Boardwalk

## Key

- 1\_ Private terrace to ground floor apartments and buffer planting
- 2\_ Mounded screen planting to achieve 1m soil depth and low retaining wall
- 3\_ Buffer planting to public space
- 4\_3m wide boardwalk with cycle and pedestrian access

#### Section DD - 1:100 Residential Apartment and Atkinson Street

### Key

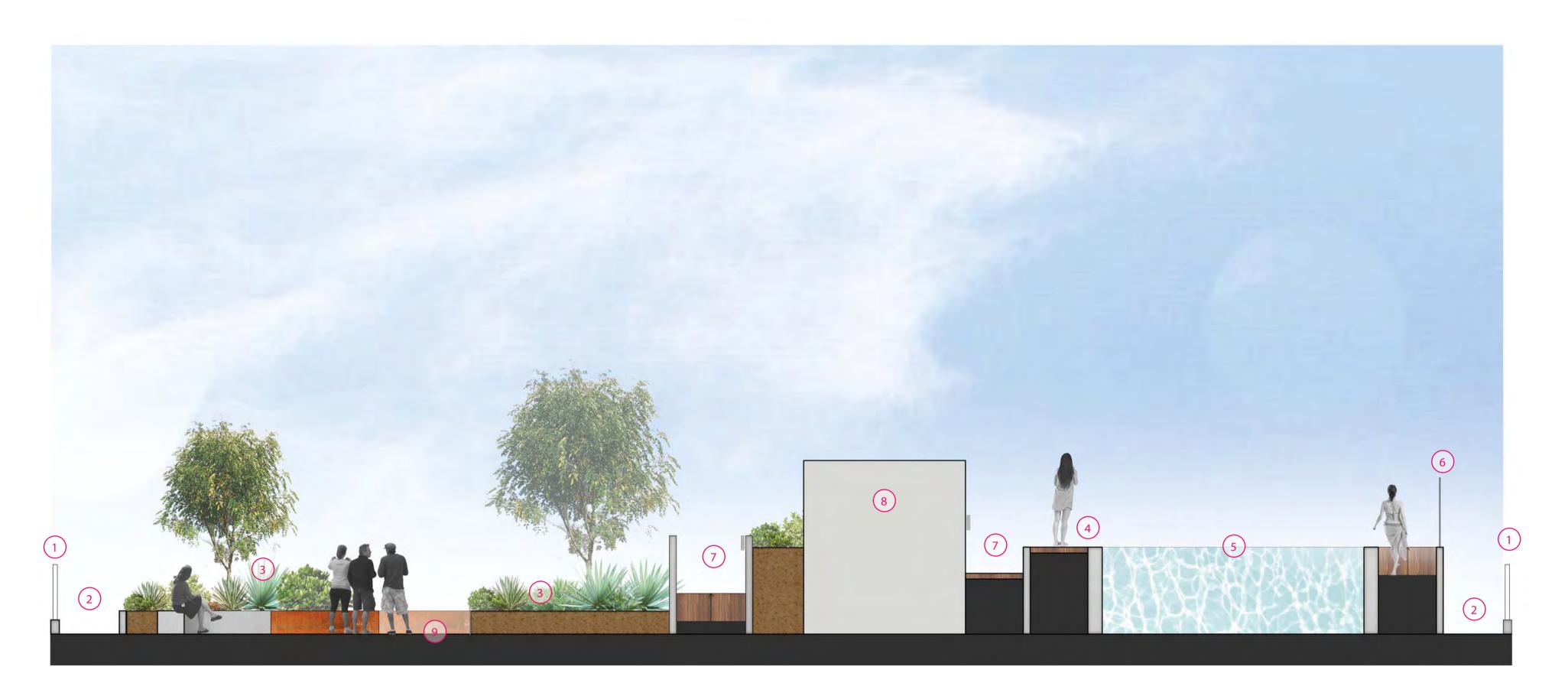
- 1\_ Private terrace to ground floor apartment and buffer planting
- 2\_ Buffer planting between private terrace and public domain
- 3\_ Upgraded footpath
- 4\_ Upgraded verge planting beneath new street trees

Section EE - 1:100 Heritage Building and Shepherd St

### Key

- 1\_ Heritage building
- 2\_ Low mass planting
- 3\_ Low concrete retaining wall
- 4\_ New verge planting to boundary line
- 5\_ Upgraded footpath
- 6\_ Loading zone, new turf verge with mass planting beneath trees beyond
- 7\_Outdoor Dining

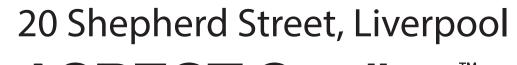
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Section FF - 1:50 Building A Roof Garden



Section GG - 1:50 Building B Roof Garden







1:50

Dwg Title.: Landscape DA Roof Terrace Sections Dwg no.: 14048- LA\_7



## Key

- 1\_ 1.2m high balustrade to edge of building
- 2\_1m circulation path around perimeter of rooftop for maintenance
- 3\_ Planted terrace 0.4m above interior FFL
- 4\_ Upper pool deck 1.5m above interior FLL, timber finish
- 5\_ 1.5m deep lap pool
- 6\_ Glass balustrade to edge of pool deck
- 7\_ Ramp to upper pool deck
- 8\_ Fire stairs core, refer to Architect's drawings
- 9\_ Paved area flush with interior FFL

# Key

- 1\_ 1.2m high balustrade to edge of building
- 2\_1m circulation path around perimeter of rooftop for maintenance
- 3\_ Planted terrace 0.8m above interior FFL
- 4\_ Planted terrace 0.4m above interior FFL
- 5\_ Fire stairs core, refer to Architect's drawings
- 6\_ Paved area flush with interior FFL



# Planting Palette



20 Shepherd Street, Liverpool

**ASPECT Studios**<sup>™</sup>

Streetscapes

Design intent: Significant scaled avenue tree planting with mass planted and bioswale verges, strong definition to the character of the precinct as green and connected.

Botanic Name	Common Name	Estimated Pot Size	Native/ Exotic/ Endemic
Charaka and Charak Turak *			
Shepherd Street Trees *	David Davi	2001	
Lophostemon confertus	Brush Box	200L	native
Corymbia maculata	Spotted Gum	200L	native
Atkinson Street Trees *			
Tristaniopsis laurina 'Luscious'	Luscious Water Gum	200L	native
Low Shrubs, Groundcovers and Climbers Anigozanthos 'Gold Velvet'	Yellow Kangaroo Paws	200mm	native
Dianella revoluta	Blue Flax Lilly		endemic
Lomandra longifolia 'Tanika'	Spiny Headed Mat Rush	200mm	native
Pennisetum alopecuriodes 'Nafray'	Native Fountain Grass	200mm	native
Bioswale planting			
Isolepsis nodosa	Knobby Club Rush	200mm	native
Hibbertia scandens	Snake Vine	200mm	endemic
Lomandra longifolia	Spiny Headed Mat Rush	200mm	endemi
Themeda australis	Kangaroo Grass	200mm	endemic
Juncus usitatus	Common Rush	200mm	endemic

Public Open Space & Public Link to Water

Design intent: significant scaled tree grove planting marking the entry to the precinct as well as a strong sence of direction towards the waterfront

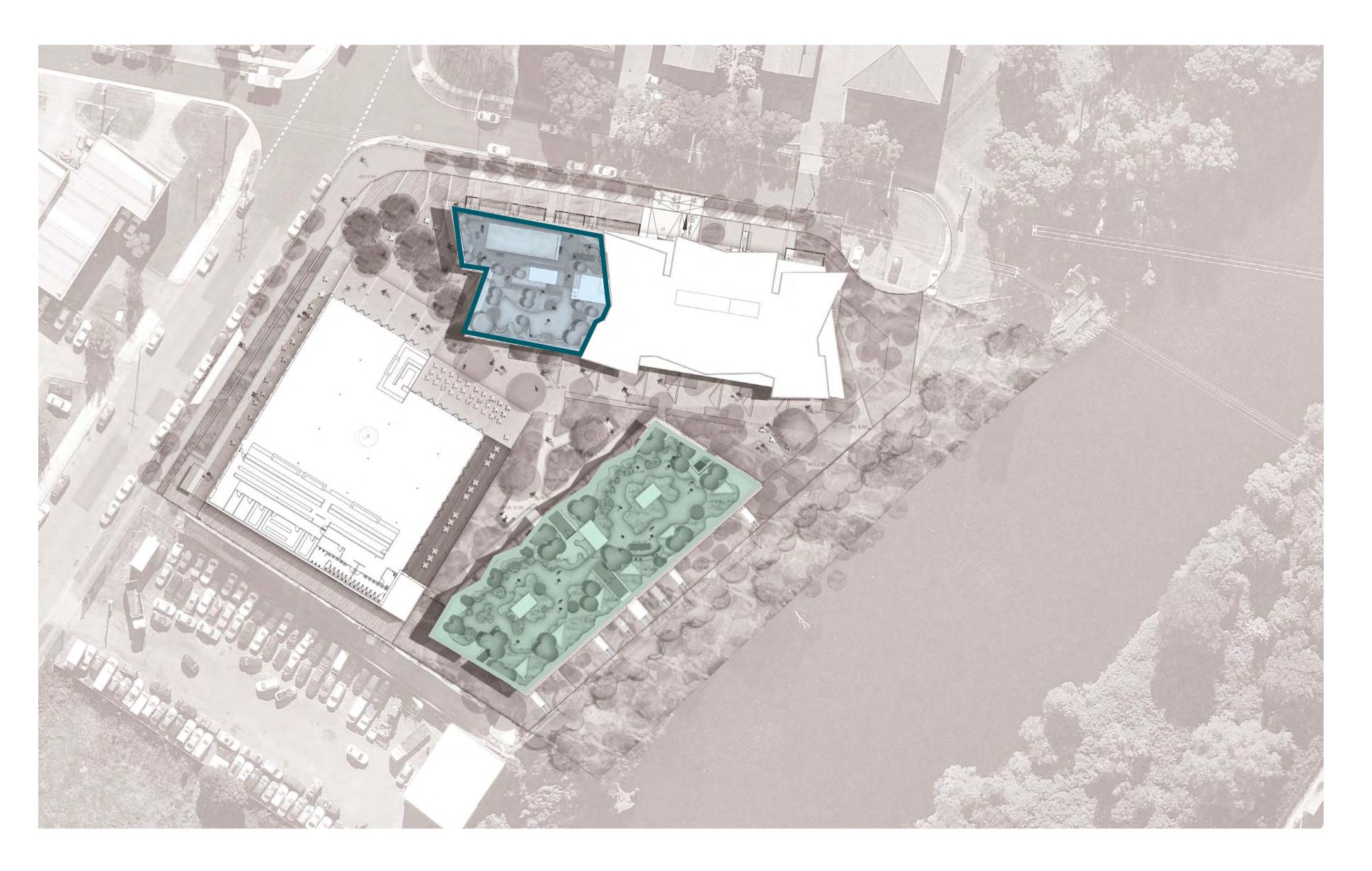
Botanic Name	Common Name	Estimated Pot Size	Native/ Exotic/ Endemic
Trees			
Acer buergerianum	Chinese Trident Maple	400L	exotic
Eucalyptus punctata	Grey Gum	400L	endemic
Jacaranda mimosifolia	Jacaranda	400L	exotic
Magnolia x soulangeana	Saucer Magnolia	400L	exotic
Angophora floribunda	Rough barked apple	400L	endemic
Low Shrubs, Groundcovers and Climbe	rs		
Anigozanthos 'Gold Velvet'	Yellow Kangaroo Paws	200mm	native
Arthropodium cirratum	NZ Rock Lily	200mm	exotic
Beschorneria yuccoides	Mexican Lily	200mm	exotic
Dianella caerulea 'Little Jess'	Blue Flax Lily	200mm	native
Hymenocallis speciosa	Spider Lily	200mm	exotic
Viola hederacea	Native Violet	150mm	native

Private Communal Space and Private Terraces

Design intent: small scaled ornamental tree planting and low screen planting selected for seasonal and colour variation

Botanic Name	Common Name	Estimated Pot Size	Native/ Exotic/ Endemic
Trees			
Fraxinus grifithii	Evergreen Ash	400L	exotic
Elaeocarpus reticulatus	Blueberry Ash	400L	native
Jacaranda mimosifolia	Jacaranda	400L	exotic
Magnolia x soulangeana	Saucer Magnolia	400L	exotic
Largerstroemia 'Natchez'	Crepe Myrtle	400L	exotic
Shrubs, Groundcovers and Climbers	N. II	000	
Anigozanthos 'Gold Velvet'	Yellow Kangaroo Paws	200mm	native
Banksia 'Birthday Candles'	Dwarf Banksia	200mm	native
Callistemon 'Little John'	Dwarf Bottlebrush	200mm	native
Hymenocallis speciosa	Spider Lily	200mm	exotic
Arthropodium cirratum	NZ Rock Lily	200mm	exotic
Hymenocallis speciosa	Spider Lily	200mm	exotic
Lomandra longifolia 'Tanika'	Spiny Headed Mat Rush	200mm	native
Pittosporum 'Miss Muffet'	Dwarf Pittosporum	200mm	exotic
Pennisetum alopecuriodes 'Nafray'	Native Fountain Grass	200mm	native
Syzigium 'Hinterland Gold'	Dwarf Syzygium	200mm	native
Westringia fruticosa 'Zena'	Coast Rosemary	200mm	native
Alocasia macrorrhiza	Giant Taro	200mm	exotic
Anemone 'Honorine Jobert'	Japanese Windflower	200mm	exotic
Asoidistra elatior	Cast Iron Plant	200mm	exotic
Bergenia x schmidtii	Bergenia	150mm	exotic





# **Planting Palette**



20 Shepherd Street, Liverpool **ASPECT Studios**<sup>™</sup>

Roof Terrace Building B

Design intent: ornamental and edible garden of seasonal variation with fruiting and flowering trees and understory of herbs, vegetables and seasonal flowers

Botanic Name	Common Name	Estimated Pot Size	Native/ Exotic/ Endemic
Trees			
Citrus latifolia	Tahitian Lime	200L	exotic
Citrus limon 'Eureka Lemon'	Eureka Lemon	200L	exotic
Citrus sinensis	Sweet Orange	200L	exotic
Fraxinus grifithii	Evergreen Ash	200L	exotic
Lagerstroemia 'Natchez'	White Flowering Crepe Myrtle	200L	exotic
Kitchen garden			
Aeonium arboreum	Tree Aeonium	200mm	exotic
Anthemis nobilis	Chamomile	200mm	exotic
Cynara cardunculus var. scolymus	Globe Artichoke	200mm	exotic
Lavendula dentata	French Lavendar	200mm	exotic
Melissa officinalis	Lemon Balm	200mm	exotic
Mentha spicata	Spear Mint	200mm	exotic
Nasturtium sp.	Nasturtium	200mm	exotic
Origanum majorana	Majoram	200mm	exotic
Origanum vulgare	Oregano	200mm	exotic
Prosanthera ovalifolia	Mint Bush	200mm	exotic
Rosmaninus officinalis	Rosemary	200mm	exotic
Salvia elegans	Pineapple Sage	200mm	exotic
Salvia officinalis	Sage	200mm	exotic
* Mix of annual vegetable and flower seed	lings		
Shrubs, Groundcovers and Climbers			
Westringia fruticosa 'Smokey'	Dwarf Native Rosemary	200mm	native
Kalanchoe thyrsiflora	Flap Jacks	200mm	exotic
Lavendula dentata	French Lavendar	200mm	exotic
Limonium Perezii-Blue	Sea Lavender	200mm	exotic
Anigozanthos 'Gold Velvet'	Yellow Kangaroo Paws	200mm	native
Banksia 'Birthday Candles'	Dwarf Banksia	200mm	native
Euphorbia charachias cvs	Spurge	200mm	exotic
Euphorbia Diamond Frost	Baby's breath Euphorbia	200mm	exotic
Sedum burrito	Donkeys Tail Sedum	200mm	exotic
Sedum pachyphyllum	Stonecrop Sedum	200mm	exotic

Roof Terrace Building A

Design intent: ornamental trees and low understory selected for seasonal flower, scent and colour variation

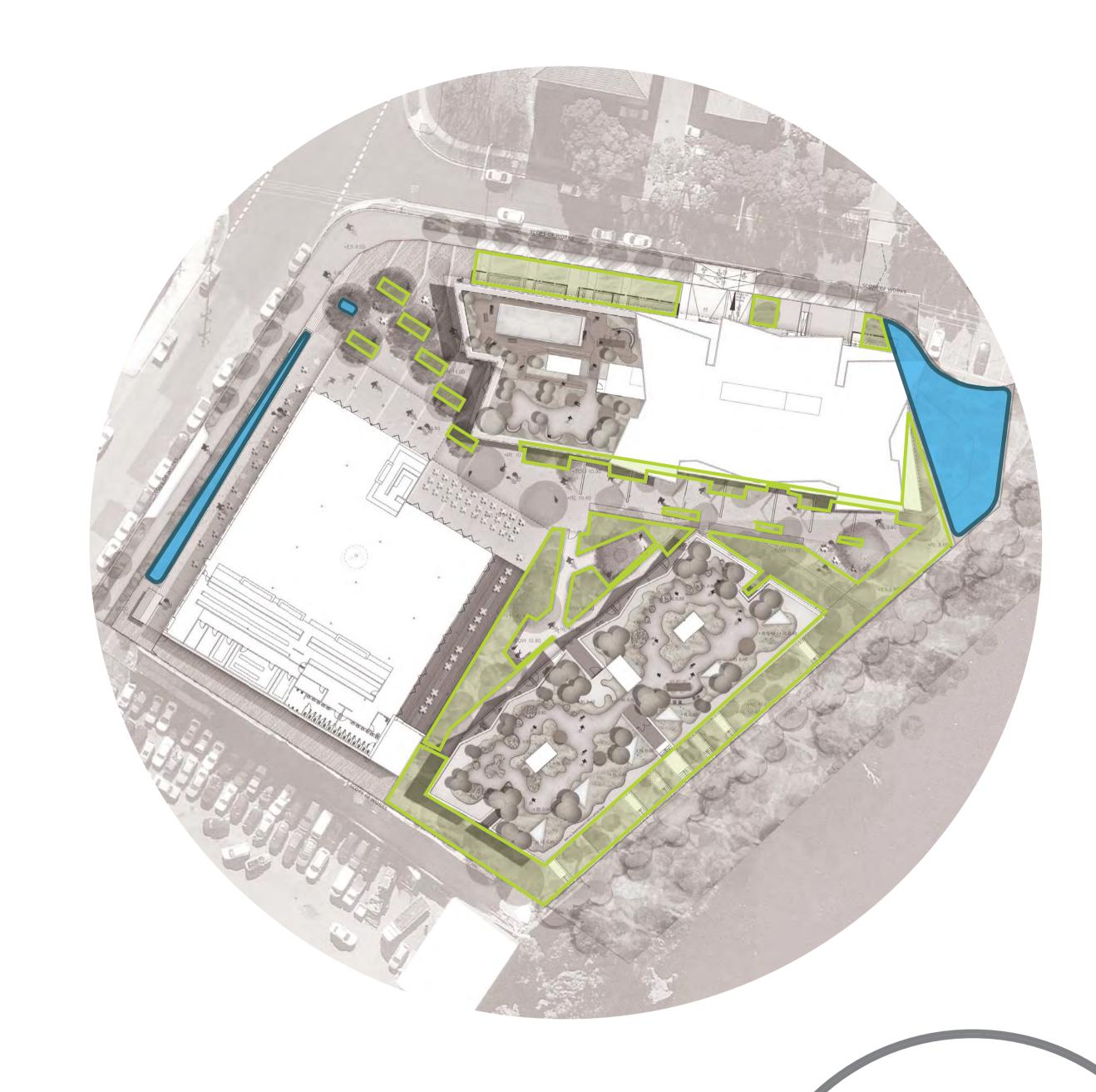
Botanic Name	Common Name	Estimated Pot Size	Native/ Exotic/ Endemic
Trees			
Eucalyptus leucoxylon	Dwarf Eucalypt	200L	native
Buckinghamiana cellestisima	Ivory Curl Tree	200L	native
Hibiscus tillaceus	Sea Hibiscus	200L	exotic
Fraxinus grifithii	Evergreen Ash	200L	exotic
Lagerstroemia 'Natchez'	White Flowering Crepe Myrtle	200L	exotic
Shrubs, Groundcovers and Climbers Westringia fruticosa 'Smokey'	Dwarf Native Rosemary	200mm	native
·	Dwarf Nativo Posomary	200mm	nativo
Kalanchoe thyrsiflora	Flap Jacks	200mm	exotic
Lavendula dentata	French Lavendar	200mm	exotic
Limonium Perezii-Blue	Sea Lavender	200mm	exotic
Anigozanthos 'Gold Velvet'	Yellow Kangaroo Paws	200mm	native
Banksia 'Birthday Candles'	Dwarf Banksia	200mm	native
Euphorbia charachias cvs	Spurge	200mm	exotic
Euphorbia Diamond Frost	Baby's breath Euphorbia	200mm	exotic
Rosmaninus officinalis	Rosemary	200mm	exotic
Salvia elegans	Pineapple Sage	200mm	exotic
Salvia officinalis	Sage	200mm	exotic
Sedum burrito	Donkeys Tail Sedum	200mm	exotic
Sedum pachyphyllum	Stonecrop Sedum	200mm	exotic

Dwg Title.: Landscape DA\_Roof Planting Palette NTS Coronation Property Co Woods Bagot Client: Drawn: July 2015 Architect: Checked: Date: Dwg no.: 14048- LA\_9 Rev C





24.5 % OF TOTAL SITE AREA IS PRIVATE COMMUNAL OPEN SPACE (incl roof)



GF Deep soil on grade: 570 sqm

GF ≥1m deep soil over slab: 1162 sqm

6% OF TOTAL SITE IS SOFT LANDSCAPE ON DEEP SOIL