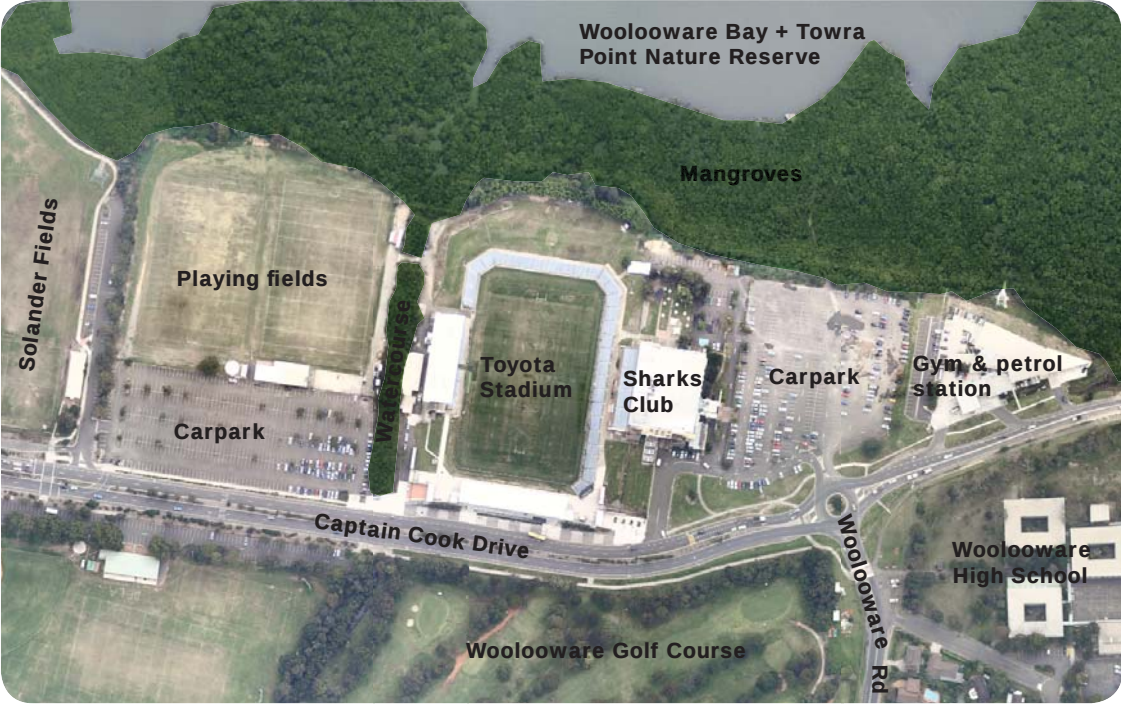


Cronulla Sharks Redevelopment

Landscape Concept Plan

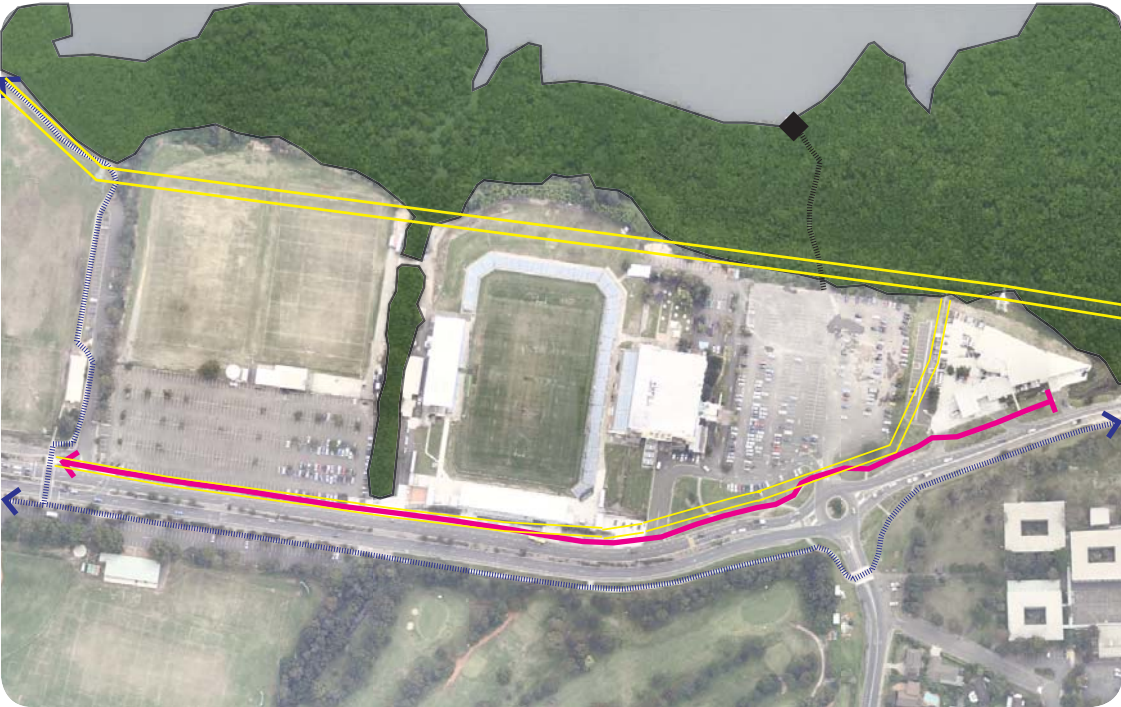


Context plan



Aerial image (existing site conditions). Source: Nearmaps

Existing site conditions and pedestrian links



Aerial image (existing site conditions). Source: Nearmaps

Existing site images



Existing boardwalk



Sharks Club and carpark



Aerial view of mangroves



Toyota Stadium and 'Family Hill'

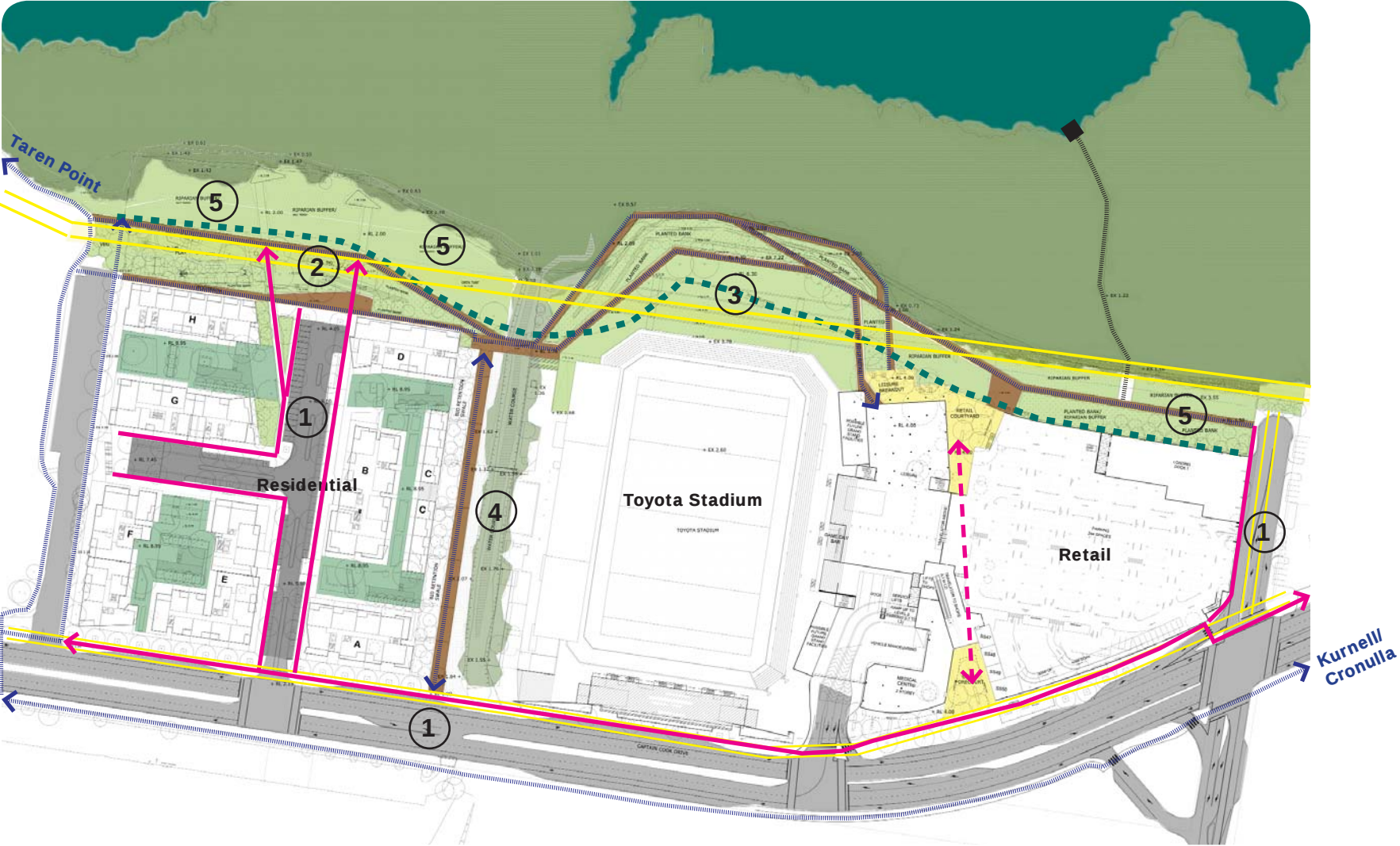


Carpark on western side of stadium



Playing fields on western side of stadium

Site plan. New links and landscape spaces



- Key**
- Pedestrian/ cycle paths
 - Footpaths
 - Internal footpath link
 - Existing boardwalk
 - Power lines over
 - 30m setback from mean high water mark
 - 1 Streetscape upgrades and new streetscapes
 - 2 Foreshore Park
 - 3 Toyota Stadium 'Family Hill' upgrades
 - 4 Existing Watercourse
 - 5 Vegetated riparian buffer planting

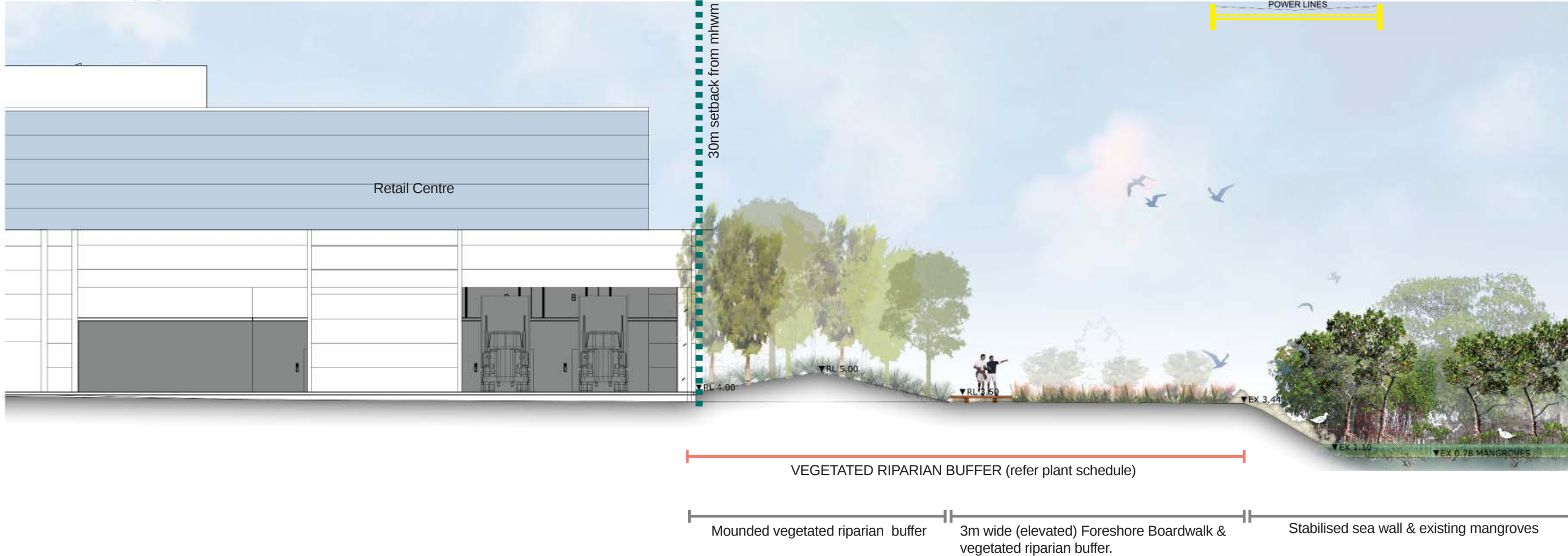
- Foreshore pathways network (link into local shared path network)
- Retail entries
- Private communal courtyards (residential)

Concept plan. 1:750 [A1]



Key 1 New footpath and retained trees 2 Children's playground 3 BBQ facilities/ shade canopy 4 Open turf area 5 Elevated educational pontoon/ decks 6a Lower Foreshore Boardwalk 6b Lower Foreshore path 7 Residential streetscape 8 Residential private/ communal courtyards 9 Upgraded streetscape 10 21m wide zone containing planted swale / watercourse pathway link 11 Bank stabilisation / gabion wall terraces 12 Family Hill/ turf terraces 13 Upper Foreshore Path 14 Path link into Level 2 retail 15 Retail entries 16 Upgrade existing boardwalk 17 Informal sea wall 18 Vegetated riparian buffer / screening trees to retail loading dock 19 Vegetated riparian buffer to mangroves 20 Existing bridge connections

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Foreshore Boardwalk and vegetated buffer. Precedent images



Vegetated buffer
> ASPECT image library



Links into the local
shared path network
> ASPECT image library



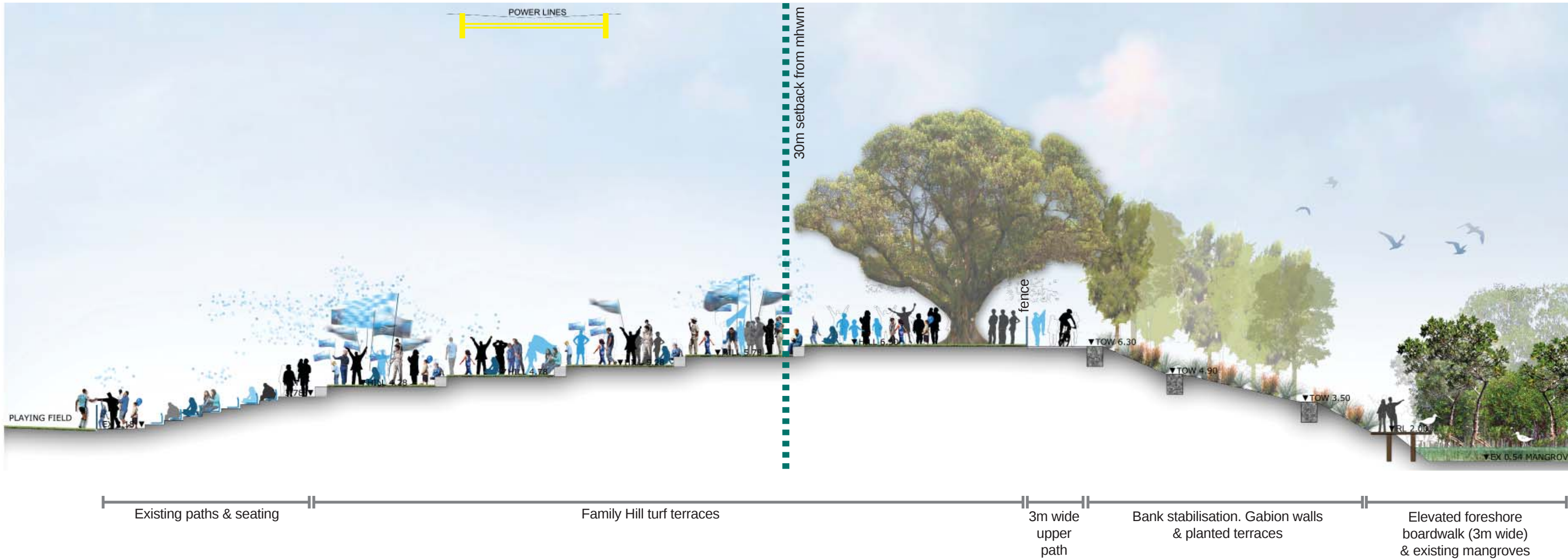
Informal sea wall/ bank stabilisation
> Glebe Foreshore.



Upgrade existing
boardwalk
> Woollooware Bay
Mangrove Boardwalk



Retain and protect existing
mangroves
> Woollooware Bay/ Towra Point Nature Reserve



Family Hill & Foreshore boardwalk. Precedent images



Preserve Family Hill atmosphere
> Toyota Stadium, Cronulla



Turf terraces and flexible security fences
> Redfern Oval. BVN/ Spackman Mossop



Mature tree planting
> Redfern Oval. BVN/ Spackman Mossop



Bank planting
> ASPECT image library



Bank stabilisation. Gabion walls
> Georges River. ASPECT image library



Foreshore boardwalk
> ASPECT image library



Boardwalk. Robust materials
> Narrabeen Trail. ASPECT Studios



Foreshore Park. Precedent images



Open turf areas and edge seating
> Ballast Point Park, McGregor Coxall



Children's playground
> Pirrama Park, Pyrmont. ASPECT Studios



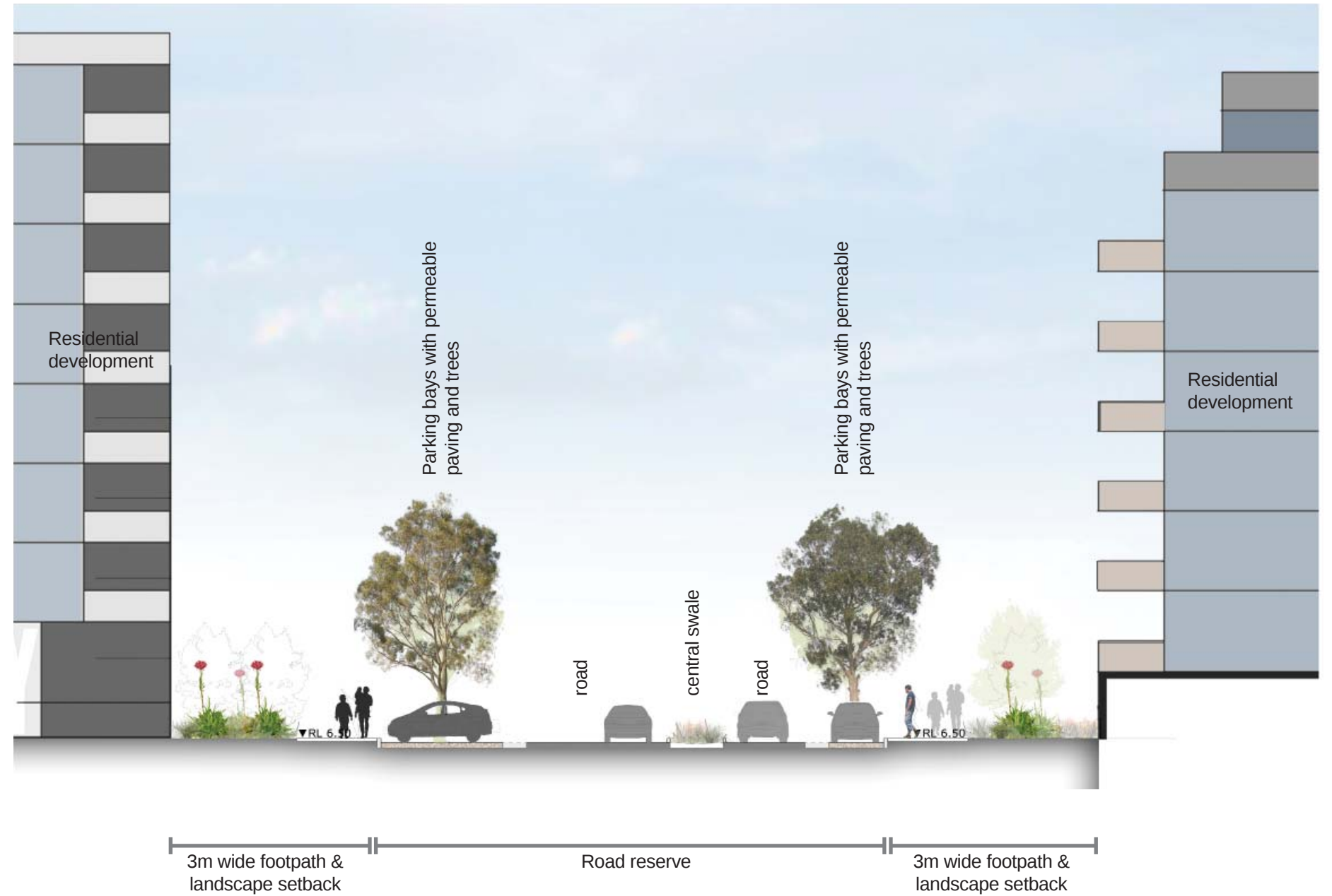
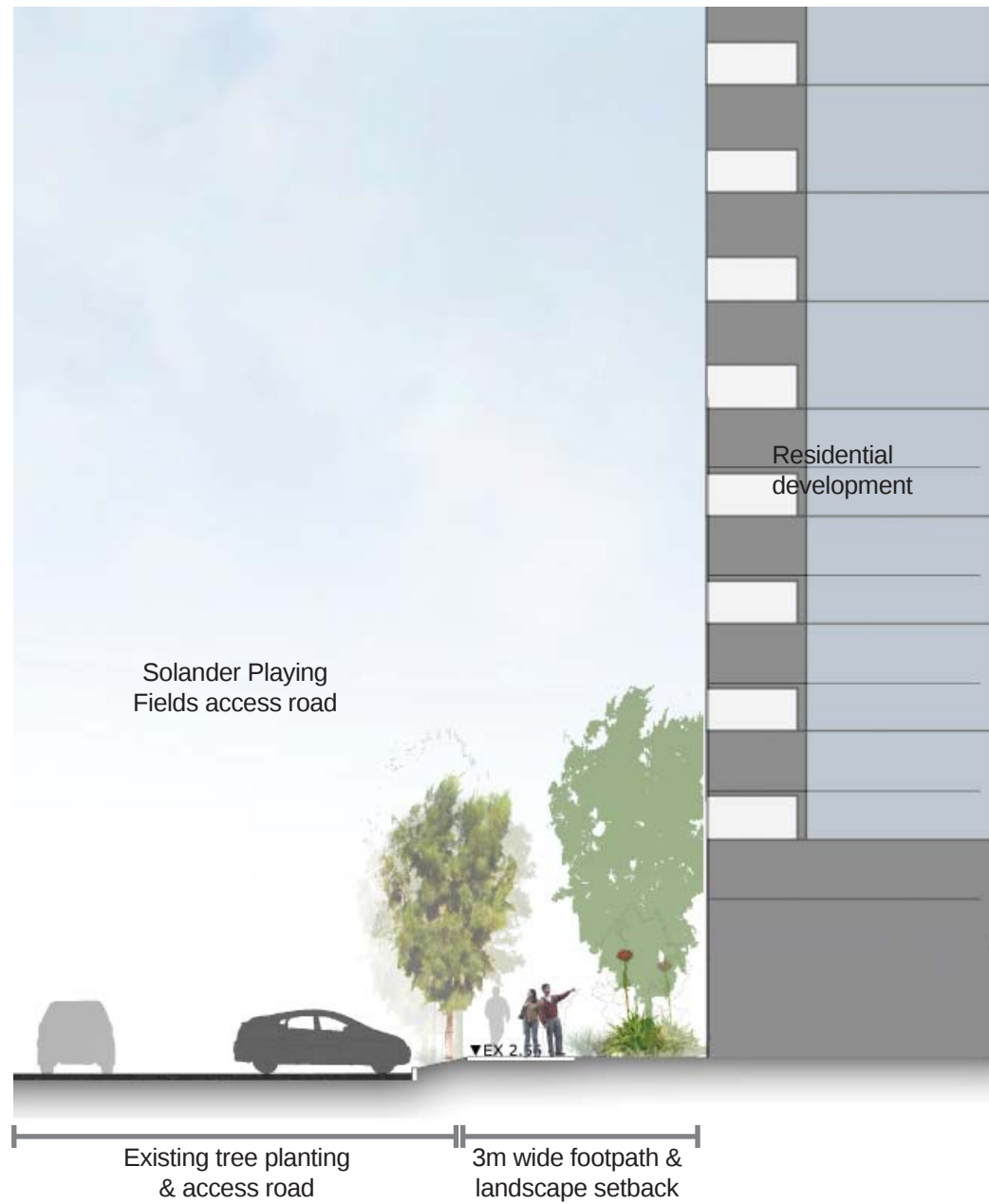
Shade canopy and bbq facilities
> Pirrama Park, Pyrmont. ASPECT Studios



Vegetated riparian buffer planting and robust materials
> Shorebird Reserve upgrade, Taren Point.



Educational overlay/interpretation
> ASPECT Studios



Existing site images



Existing street trees to be retained

Residential streetscape. Precedent images



Street tree planting
> Victoria Park

Rain gardens
> Pirrama Road, Pyrmont. ASPECT Studios

Central swale
> Victoria Park

Permeable paving parking bays
> Bronte. Hydroston pavers

Planting zones key plan



- Existing Trees to be Retained
- Existing Trees to be Removed
- Vegetated riparian buffer
- Streetscape, Residential Setbacks and Retail Entries
- Foreshore Park, Family Hill and Playground
- Residential Courtyards
- Swale
- Ecological Revegetation Zone (possible salt marsh - subject to further investiagtion)
- All native species in these zones
- Proposed zone of possible Swamp Oak Floodplain Forest planting

Planting character

Vegetated riparian buffer

Banksia integrifolia

Melaleuca quinquenervia

Juncus usitatus

Foreshore Park + Playground

Ficus rubigionsa

Livistona australis

Doryanthes excelsa

Streetscape + Retail Entries

Toona australis

Eucalyptus punctata

Angophora costata

Internal Courtyards

Sapium sebiferum

Asplenium nidus

Backhousia myrtifolia

Ecological Revegetation Zone

Gahnia filum

Sclerostegia arbuscula

Tetragonia tetragonoides

Swale

Lomandra hystrix

Pennisetum alopecuroides

Dianella Caerulea

Vegetated riparian buffer

Botanic Name	Common Name
Trees	
<i>Acmena smithii</i>	Lilly Pilly
<i>Alphitonia excelsa</i>	Red Ash
<i>Banksia integrifolia</i>	Coast Banksia
<i>Casuarina glauca</i>	Swamp Oak
<i>Cupaniopsis anacardioides</i>	Tuckeroo
<i>Ficus obliqua</i>	Small Leaved Fig
<i>Ficus rubiginosa</i>	Rusty Fig
<i>Lophostemon suaveolens</i>	Swamp Turpentine
<i>Melaleuca ericifolia</i>	Swamp Paperbark
<i>Melaleuca quinquenervia</i>	Broad Leaved Paperbark
<i>Melaleuca stypheloides</i>	Prickly Leaved Tea Tree
Rushes / Grasses	
<i>Baumea juncea</i>	Bare Twig Rush
<i>Carex appressa</i>	Tall Sedge
<i>Cynodon dactylon</i>	Sand Couch
<i>Crinum pedunculatum</i>	Swamp Lily
<i>Dianella caerulea</i>	Blue Flax Lily
<i>Imperata cylindrica var. major</i>	Blady Grass
<i>Isoplepis inundata</i>	Swamp Club Sedge
<i>Juncus kraussii</i> supsp. <i>Australiensis</i>	Sea Rush
<i>Juncus planifolius</i>	Broad Leaf Rush
<i>Juncus usitatus</i>	Common Rush
<i>Lomandra longifolia</i>	Ribbon Grass
<i>Maundia triglochinoidea</i>	Water Ribbons
<i>Opismenus imbecillis</i>	Basket Grass
<i>Phragmites australis</i>	Common Reed

Streetscape, Residential Setbacks and Retail Entries

Botanic Name	Common Name
Trees	
<i>Angophora costata</i>	Smooth Barked Apple
<i>Banksia serrata</i>	Old Man Banksia
<i>Elaeocarpus reticulatus</i>	Blueberry Ash
<i>Eucalyptus obstans</i>	Port Jackson Mallee
<i>Eucalyptus punctata</i>	Grey Gum
<i>Livistona australis</i>	Cabbage Palm
<i>Melaleuca quinquenervia</i>	Broad Leaf Paperbark
<i>Toona australis</i>	Australian Red Cedar
<i>Tristanopsis laurina</i>	Water Gum
Raingardens - Rushes / Grasses	
<i>Dianella caerulea</i> 'King Alfred'	Flax Lily 'King Alfred'
<i>Dichelachne crinita</i>	Longhair plume grass
<i>Doryanthes excelsa</i>	Gymea Lily
<i>Juncus usitatus</i>	Common Rush
<i>Lomandra hystrix</i> 'Katie Belles'	Longleaf Mat Rush
<i>Lomandra longifolia</i> 'Katrinus Deluxe'	Spiny Headed Mat Rush
<i>Pennisetum alopecuroides</i> 'Purple Lea'	Fountain Grass 'Purple Lea'
Species suitable for use under power lines (if required)	

Ecological Revegetation Zone (salt marsh) *

Botanic Name	Common Name
Trees	
<i>Melaleuca ericifolia</i>	Swamp Paperbark
Shrubs	
<i>Baccharis halimifolia</i>	Groundsel Bush
<i>Sclerostegia arbuscula</i>	Saltbush
Groundcovers / Climbers	
<i>Limonium australe</i>	Native Sea Lavender
<i>Samolus repens</i>	Creeping Brookweed
<i>Sarcocornia quinqueflora</i>	Samphire
<i>Selliera radicans</i>	Swampweed
<i>Suaeda australis</i>	Austral Seablite
<i>Tetragonia tetragonoides</i>	Native Spinach
<i>Zoysia macrantha</i>	Prickly Couch
Rushes / Grasses	
<i>Austrostipa stipoides</i>	Coastal Speargrass
<i>Baumea juncea</i>	Twig Rush
<i>Bolboschoenus</i> sp.	Marsh Club Rush
<i>Cortaderia</i> sp.	Pampas Grass
<i>Ficinia nodosa</i>	Knobby Club Rush
<i>Gahnia filum</i>	Saw Sedge
<i>Juncus acutus</i>	Sharp Rush
<i>Juncus kraussii</i>	Sea Rush
<i>Phragmites australis</i>	Tall Reed
<i>Sporobolus virginicus</i>	Saltwater Couch
<i>Schoenoplectus</i> sp.	Club Sedge
<i>Triglochin striata</i>	Streaked Arrowgrass
<i>Typha</i> sp.	Bullrush

* Possible salt marsh - subject to further investigation.

Foreshore Park, Family Hill and Playground

Botanic Name	Common Name
Trees	
<i>Agathis robusta</i>	Kauri Pine
<i>Angophora floribunda</i>	Rough Barked Apple
<i>Araucaria cunninghamia</i>	Hoop Pine
<i>Araucaria cookii</i>	Christmas Tree
<i>Banksia serrata</i>	Old Man Banksia
<i>Eucalyptus botryoides</i>	Bangalay
<i>Ficus coronata</i>	Sandpaper Fig
<i>Ficus rubiginosa</i>	Rusty Fig
<i>Glochidion ferdinandi</i>	Cheese Tree
<i>Livistona australis</i>	Cabbage Palm
<i>Melaleuca quinquenervia</i>	Broad Leaf Paperbark
<i>Toona australis</i>	Red Cedar
Low Shrubs, Groundcovers and Climbers	
<i>Acacia cultivars</i>	Wattle
<i>Banksia cultivars</i>	Banksia
<i>Carpobrotus glaucescens</i>	Pig Face
<i>Clematis rubicunca</i>	Old Man's Beard
<i>Grevillea cultivars</i>	Grevillea
<i>Hardenbergia violacea</i>	False Sarsparilla
<i>Kennedia rubicunca</i>	Dusky Coral Pea
<i>Pratia purpurascens</i>	White Root
<i>Scaevola calendulacea</i>	Dune Fan Flower
<i>Scaevola ramosissima</i>	Purple Fan Flower
<i>Westringia cultivars</i>	Coast Rosemary
Rushes / Grasses	
<i>Dianella caerulea</i> 'King Alfred'	Flax Lily 'King Alfred'
<i>Dichelachne crinita</i>	Longhair plume grass
<i>Doryanthes excelsa</i>	Gymea Lily
<i>Juncus usitatus</i>	Common Rush
<i>Lomandra hystrix</i> 'Katie Belles'	Longleaf Mat Rush
<i>Lomandra longifolia</i> 'Katrinus Deluxe'	Spiny Headed Mat Rush
<i>Pennisetum alopecuroides</i> 'Purple Lea'	Fountain Grass 'Purple Lea'

Residential Courtyards

Botanic Name	Common Name
Trees	
<i>Backhousia myrtifolia</i>	Cinnamon Myrtle
<i>Cupaniopsis anacardioides</i>	Tuckeroo
<i>Elaeocarpus reticulatus</i>	Blueberry Ash
<i>Glochidion ferdinandi</i>	Cheese Tree
<i>Lagerstroemia indica</i>	Crape Myrtle
<i>Melia azedarach</i>	White Cedar
<i>Sapium sebiferum</i>	Chinese Tallowood
<i>Tristanopsis laurina</i>	Water Gum
Shrubs	
<i>Diets robinsoniana</i>	Wedding Lily
<i>Helichrysum petiolare</i>	Licorice Plant
<i>Myoporum parvifolium</i> 'Yareena'	Creeping Boobialla
<i>Lomandra hystrix</i> 'Katie Belles'	Longleaf Mat Rush
<i>Lomandra longifolia</i> 'Katrinus Deluxe'	Spiny Headed Mat Rush
Groundcovers / Climbers	
<i>Dichondra repens</i>	Kidney Weed
<i>Hardenbergia violacea</i>	False Sarsparilla
<i>Viola hederacea</i>	Native Violet
Ferns	
<i>Asplenium nidus</i>	Birds Nest Fern
<i>Blechnum cartilagineum</i>	Gristle Fern
<i>Doodia aspera</i>	Prickly Rasp Fern
Rushes / Grasses	
<i>Crinum pedunculatum</i>	Crinum Lily
<i>Dianella caerulea</i>	Blue Flax Lily
<i>Dianella revoluta</i>	Mauve Flax Lily
<i>Doryanthes excelsa</i>	Gymea Lily

Swale

Botanic Name	Common Name
Trees	
<i>Eucalyptus robusta</i>	Swamp Mahogany
<i>Melaleuca quinquenervia</i>	Broad Leaf Paperbark
Rushes / Grasses	
<i>Dianella caerulea</i> 'King Alfred'	Flax Lily 'King Alfred'
<i>Dichelachne crinita</i>	Longhair plume grass
<i>Juncus usitatus</i>	Common Rush
<i>Lomandra hystrix</i> 'Katie Belles'	Longleaf Mat Rush
<i>Lomandra longifolia</i> 'Katrinus Deluxe'	Spiny Headed Mat Rush
<i>Pennisetum alopecuroides</i> 'Purple Lea'	Fountain Grass 'Purple Lea'