

SGS WEIGALL SPORTS COMPLEX

Project: SGS Weigall Sports Complex
Client: Jattca for Sydney Grammar School
SSDA - 10421
Landscape Design Report
By Aspect Studios

STATUS	FINAL REPORT
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ASPECT Studios acknowledges the traditional owners of the land we work on and travel through and we pay our respects to elders past, present and emerging.

We acknowledge Country and pay our respects to the Gadigal people as the Traditional Custodians of the land in which Weigall Sports Complex is situated.

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01 Executive Summary

This Landscape Design Report forms part of the State Significant Development Application for the design, construction and operation of the New Sports Facilities within Weigall Sports Complex at Sydney Grammar School.

Design Strategy

The main Landscape areas within the new facilities are:

- A building entrance and vehicular access to a new staff car park on Neild Avenue, where existing trees are largely retained. New trees and screen planting will provide continuity to the street frontage, while native understory planting will create a green buffer between the street and the new building.

- Spectator viewing and bleacher seating areas facing the sports fields on the front edge of the New Sports Building.

- A new garden with native understory planting and trees along the eastern side of the sports complex building, with a sandy coloured gravel informal path linking the front terrace to the rear of the building. This garden also provides a vegetated outlook from the adjacent residences.

- Open space that connects the new Sports building with the New Car park building and pedestrian access to the complex from Neild Avenue and Alma Street. New trees and shrubs planting areas are included along the southern and eastern facades of the New car park building.

The Landscaped areas and private open space within the Weigall Sports Complex cover the objectives from Chapter C1 Paddington Heritage Conservation Area and Chapter B3 General Development Controls - Landscaped areas and private open space of Woollahra Council's Development Control Plan 2015.

Landscape Materials Strategy

New hardstand areas throughout the site will be paved with concrete featuring aggregates and colours that remind of the sandy beaches and sea shells around the Sydney Coast. The precast concrete bleachers will also feature exposed aggregates and provide an opportunity to explore the incorporation of Heritage Interpretation elements.

Deep Soil

All trees within the Complex are found on deep soil which covers 39.02% of the Total Site Area, which is 9955 square meters within Property Boundary and Extent of Works.

Tree Canopy Coverage

A number of new trees will provide amenity to the new complex and replace the loss of existing canopy cover. The total tree canopy area will cover approximately 3696.1 square meters which represents 31.7% of the whole site area.

Planting Strategy Plan

Tree and understory planting throughout the site will provide a rich diversity of native species selected to relate to the range of microclimate conditions across the site. Native species with a focus on Eastern Suburbs Banksia Scrub species are selected for the understory, which includes shade tolerant species under existing trees and to the south side of the sports complex, and sun tolerant species along the northern edge

02 Introduction

This report has been prepared by ASPECT Studios to accompany a State Significant Development Application (SSDA) for Weigall Sports Complex at Sydney Grammar School.

Objectives

The SSDA seeks development consent for the design, construction and operation of New Sports Facilities within Weigall Sydney Grammar School Sports Precinct. These new facilities include

- Indoor training pool and Programme Pool
- Indoor Basketball and Volleyball courts
- Flexible multipurpose spaces
- Administration offices and supporting services and associated changing facilities
- Spectator viewing and seating areas
- Car park building
- Open space that connects the new facilities with the New Car park building and pedestrian access to the complex from Neild Avenue and Alma Street.



View of the Existing Sports Fields from the North West corner near the Grandstand

Application Extent of Works

The new Sports Facilities will be located at Weigall Sports Complex within the Sydney Grammar School.

— — — — — EXTENT OF WORKS SSDA



Design Strategies

Weigall Sports Complex Landscape Plan

The new Sports Facilities at Weigall Sports Complex will enhance the existing sports fields of the Sydney Grammar School.

----- EXTENT OF WORKS SSDA



General Arrangement - Building 01 - Sports Facilities Building

Building 01 - Sports Facilities Building

Neild Avenue — Existing trees along Neild Avenue are largely retained, with trees removed to create a building entrance and vehicular access to a new staff car park. New trees and screen planting will provide continuity to the street frontage, while native understory planting will create a green buffer between the street and the new building.

Front edge of Sports Facilities Building — The terrace overlooking the fields provides both a covered building entry and bleacher seating along the edge of the field. The concrete terraces with incorporated planting provide opportunities to reference the heritage of the site including the former swampy wetlands and the later market gardens.

Vialoux Avenue — A new garden area comprised of native understory planting and trees replaces the former tennis courts, creating a vegetated outlook from the adjacent residences.

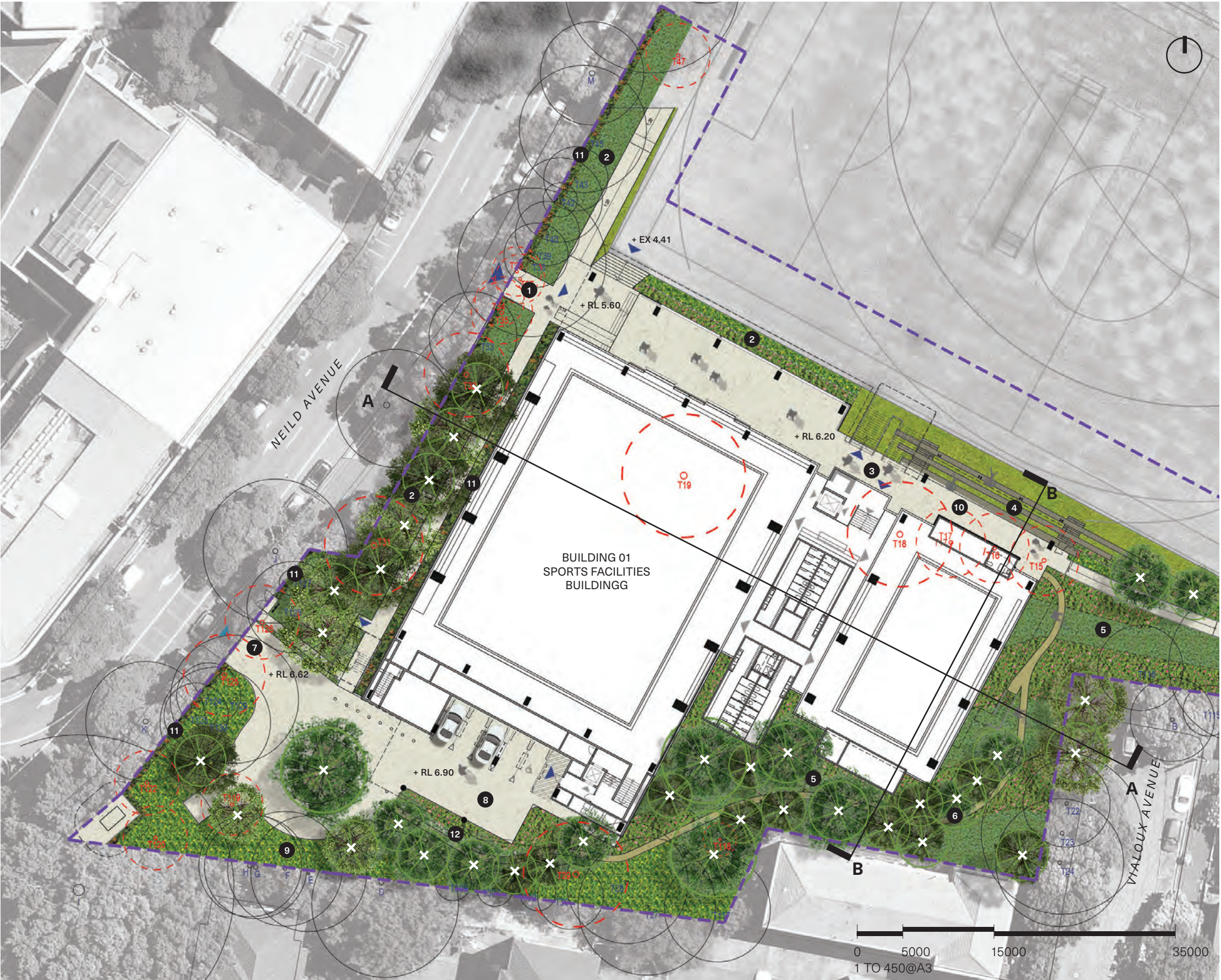
LOCATION: NEILD AVENUE

NEW SPORTS BUILDING

KEY MAP



KEY	
1	Main pedestrian entry
2	New planting and trees
3	Building entrance
4	Precast concrete bleachers
5	Back gardens
6	Informal walking path
7	Staff Car Park entry
8	Staff Car Park
9	Mass planting
10	Opportunity for Heritage Interpretation
11	Screen planting
12	Vertical Planting
x	Indicates proposed tree
Extent of Works	



General Arrangement - Building 02 - Car park

Building 02 - The new Car Park building

Pedestrian Amenities — The new car park building and the Sports Facilities building will be connected through a fully accessible ramp with understory planting on both sides.

A new garden is proposed along the eastern side of the sports complex, with an informal path linking the front terrace to the rear of the building.

Alma Street — Vehicular access to the new car park building is provided whilst maintaining pedestrian access to the fields and vehicular access to driveways. New tree and shrub planting areas are included along the southern and eastern facades of the carpark.

Car park elevations — Vertical planting will be provided on all the sides of the Car Park building. Planting suits the varied orientations of the facades resembling an arbour which will provide a touch of colour and soften the edges of the building.

LOCATION: NIELD AVENUE

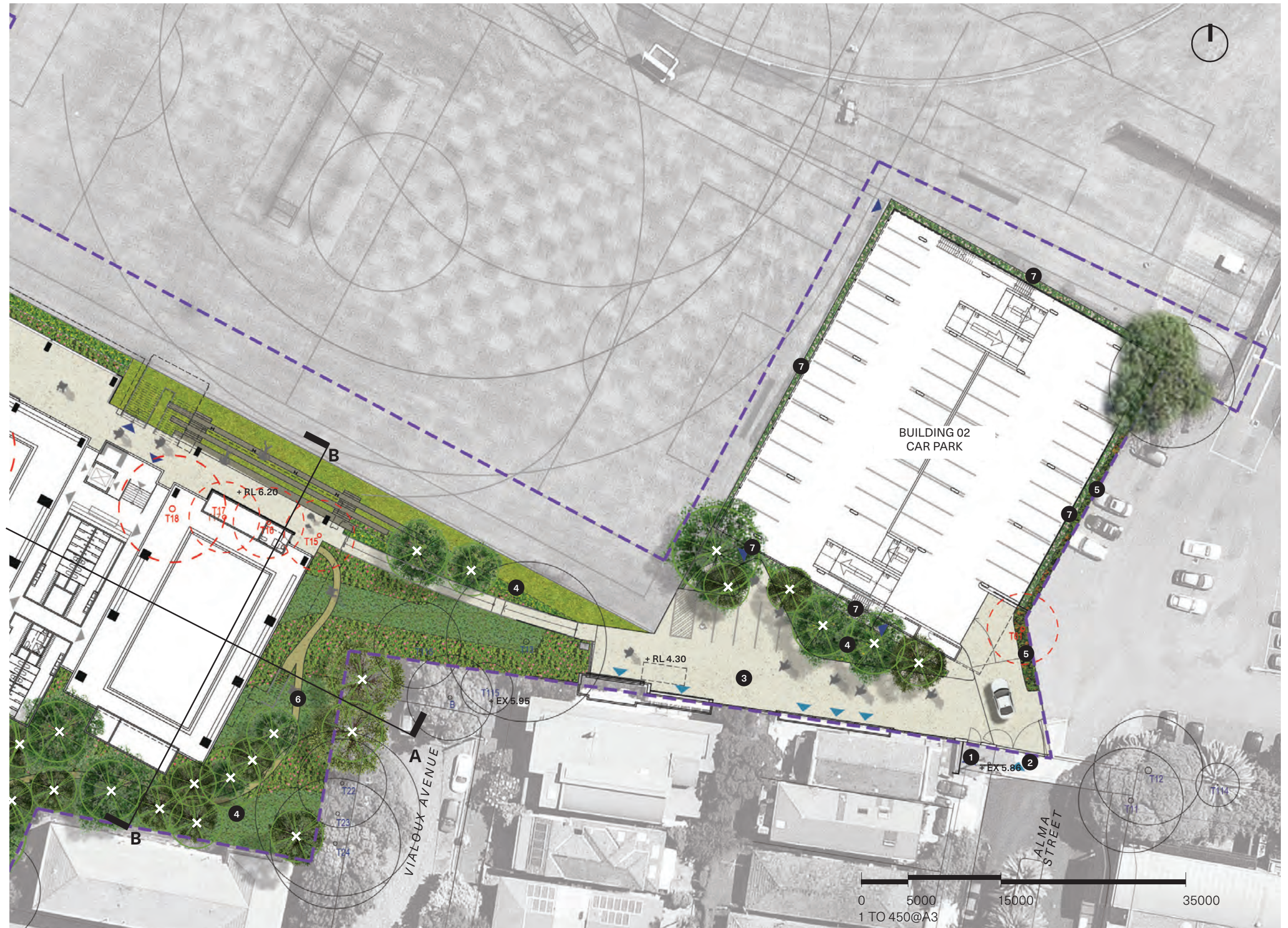
CAR PARK BUILDING

KEY MAP



KEY

1	Pedestrian entry
2	New car park entry
3	Concrete paving
4	New planting and trees
5	Screen planting
6	Informal walking path
7	Vertical planting
x	Indicates proposed tree
—	Extent of Works

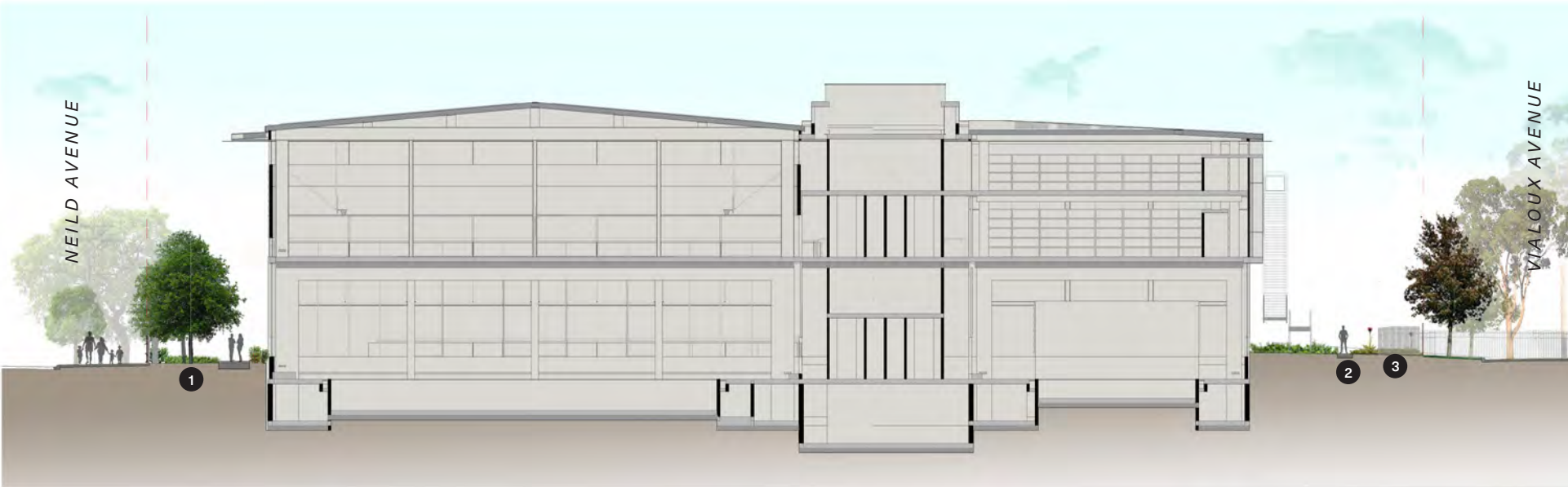


Sections



Section A |

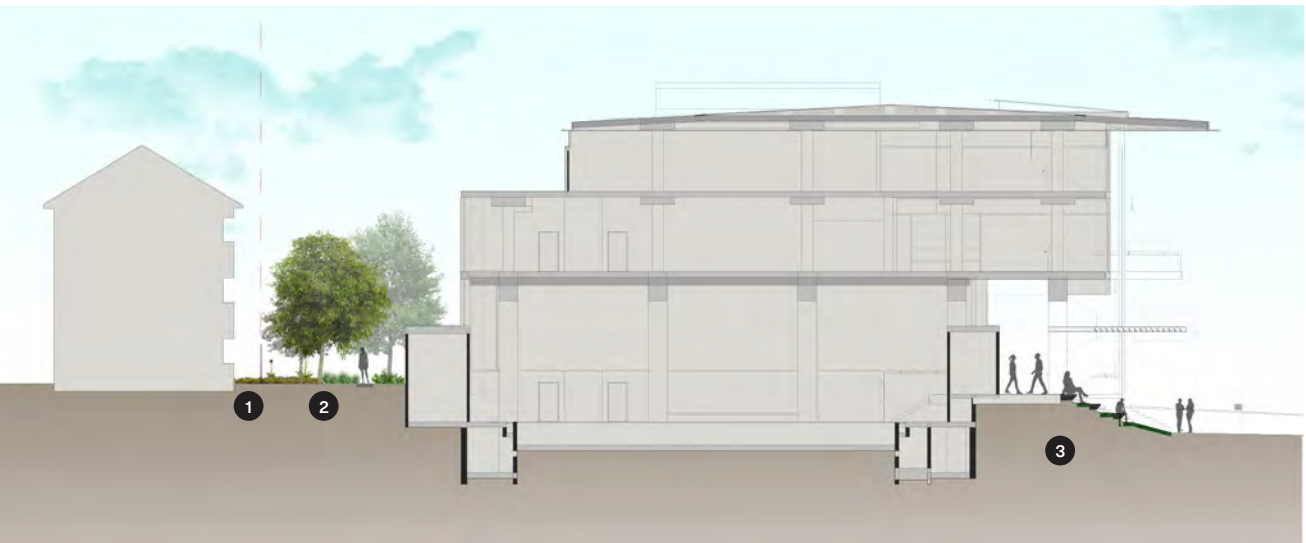
KEY	
1	New planting and trees
2	Informal walking path
3	Mass planting
---	Property boundary



Section A

Section B |

KEY	
1	New planting and trees
2	Informal walking path
3	Precast concrete bleachers
---	Property boundary



Section B

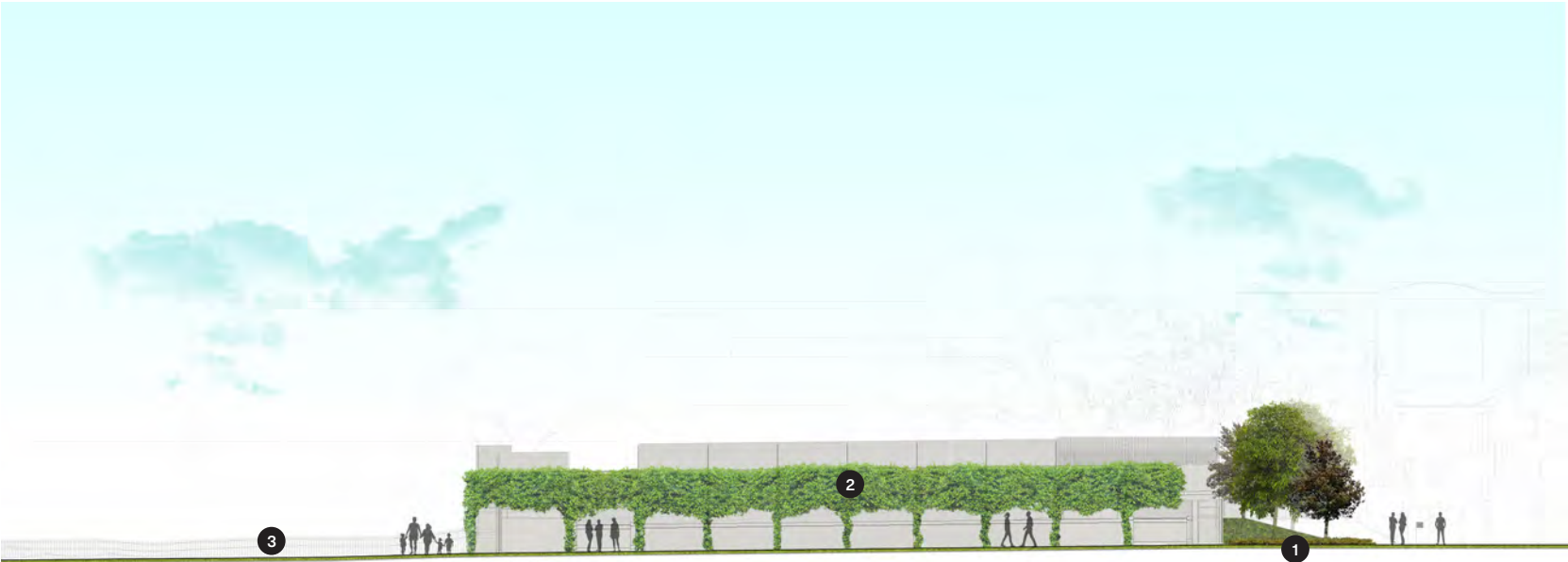


Elevations



Elevation 1 |

KEY	
1	New planting and trees
2	Vertical planting on Car Park facade
3	Sports ground



Elevation 1

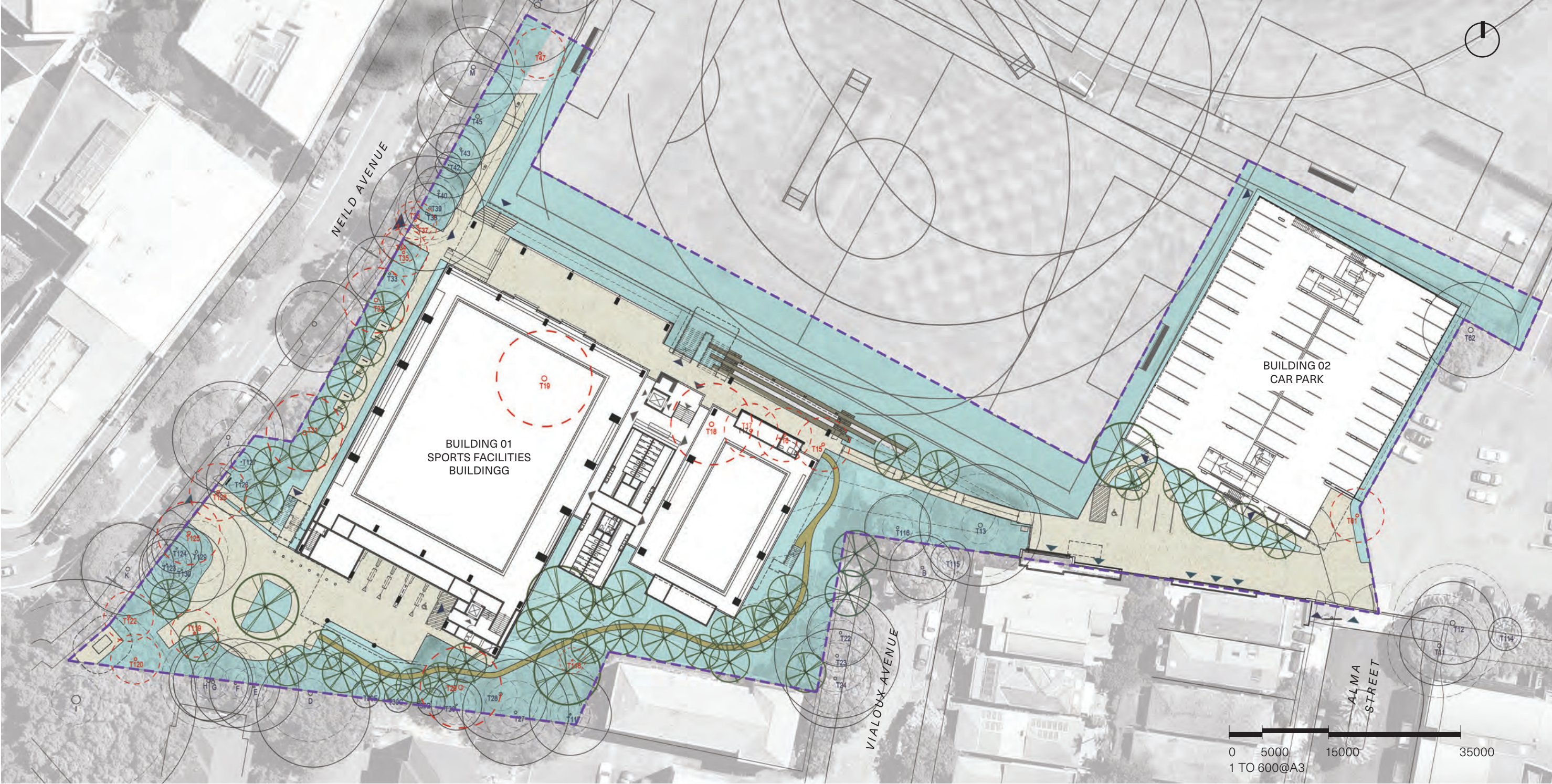


Deep Soil

All proposed Trees are located on natural ground.

----- EXTENT OF WORKS SSDA

EXTENT OF DEEP SOIL ON NATURAL GROUND: 3884.8m² (39.02%)
TOTAL SITE AREA WITHIN PROPERTY BOUNDARY: 9955 m²



Tree Canopy Coverage

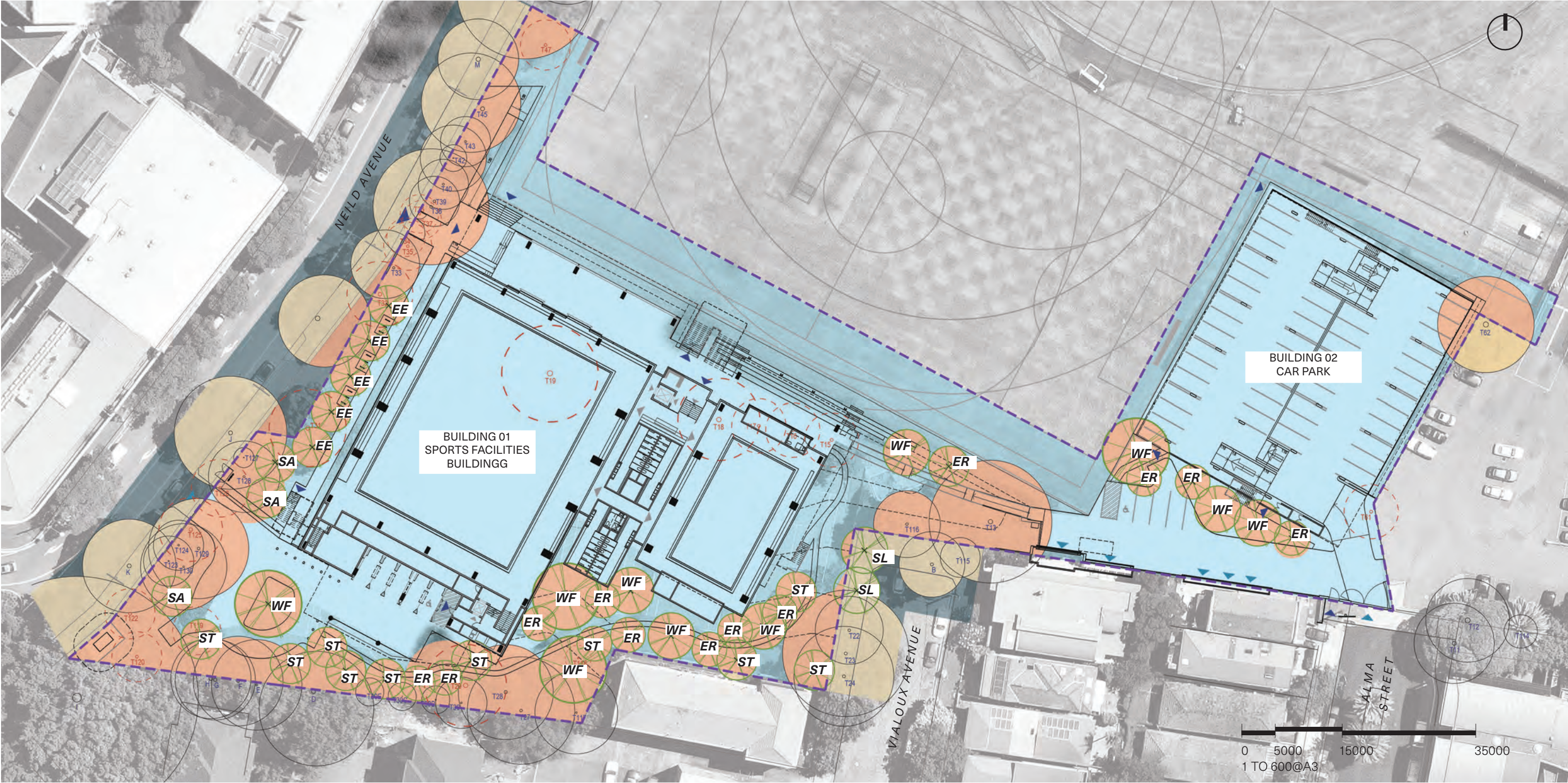
KEY	CANOPY TYPE	CANOPY COVERAGE	% OF TOTAL AREA	KEY	AREA	TOTAL AREA
<div></div>	Private	2514.4 m ²	21.6%	<div></div>	Private	9955 m ²
<div></div>	Street	1181.6 m ²	10.1%	<div></div>	Street	1706 m ²
	TOTAL	3696.1 m²	31.7%		TOTAL	11661 m²

PROPOSED TREES

Code	Botanical Name	Common Name	Native/Exotic	Mature Size (H X W)
EE	<i>Elaeocarpus eumundi</i>	Quandong	Native	15 x 6 m
ER	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	Native	9 x 5 m
SA	<i>Syzygium australe</i>	Lilly-pilly	Native	8 x 6 m
SL	<i>Syzygium luehmannii</i>	Riberry Lilly Pilly	Native	10 x 4 m
ST	<i>Syzygium tierneyanum</i>	River cherry	Native	10 x 6 m
WF	<i>Waterhousia floribunda</i>	Weeping lilly-pilly	Native	15 x 10 m

* For tree removal and protection refer to Arborist report

----- EXTENT OF WORKS SSDA



Landscape Materials Strategy

New hardstand areas throughout the site will be paved with exposed aggregate concrete, the aggregates and colour will relate to the colours and textures of sand and sea shells.





The staff car park and service path parallel to Neild Avenue will have the same exposed aggregate

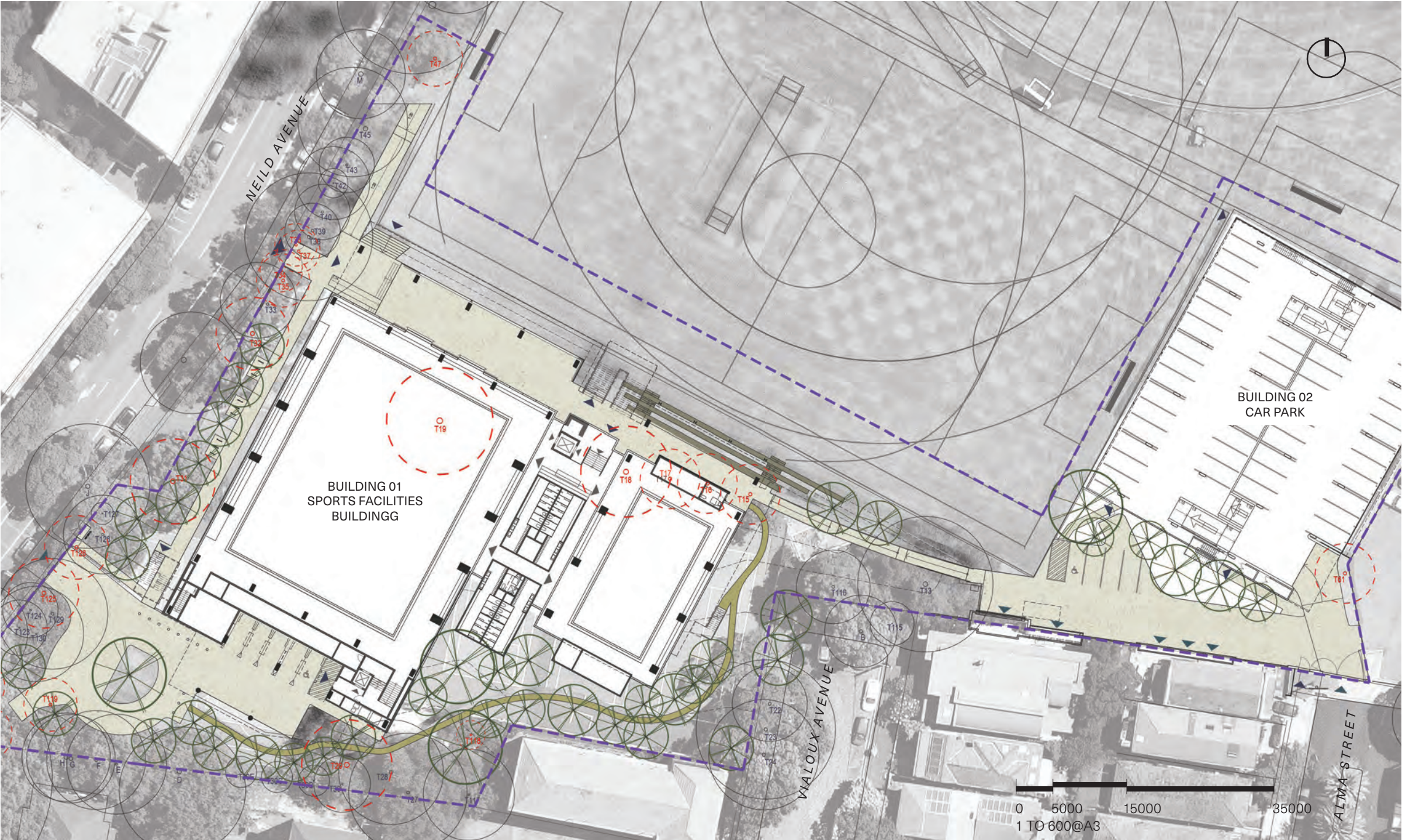
concrete as pedestrian areas, for cohesion and uniformity.

The proposed informal walking path will be paved with compacted gravel of sandy colours.

The bleachers on the front edge will be made of precast concrete that will also feature exposed

aggregates. These bleachers provide an opportunity to explore the incorporation of Heritage Interpretation elements.

KEY	
	Exposed Aggregate Concrete
	Concrete bleachers
	Compacted gravel
	Extent of Works



Planting Strategy

Planting Strategy Plan

Tree and understorey planting throughout the site will provide a rich diversity of native species selected to relate to the range of microclimate conditions across the site. This includes shade tolerant species under existing trees and to the south side of the sports complex, and sun tolerant species along the northern edge.

PROPOSED TREES

Code	Botanical Name	Common Name	Native/Exotic	Mature Size (H X W)
EE	<i>Elaeocarpus eumundi</i>	Quandong	Native	15 x 6 m
ER	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	Native	9 x 5 m
SA	<i>Syzygium australe</i>	Lilly-pilly	Native	8 x 6 m
SL	<i>Syzygium luehmannii</i>	Riberry Lilly Pilly	Native	10 x 4 m
ST	<i>Syzygium tierneyanum</i>	River cherry	Native	10 x 6 m
WF	<i>Waterhousia floribunda</i>	Weeping lilly-pilly	Native	15 x 10 m

* For tree removal and protection refer to Arborist report

KEY

Shade/sun mix 1

Shade/sun mix 2

Sunny mix


Climbers & Vines

Turf

Screen planting

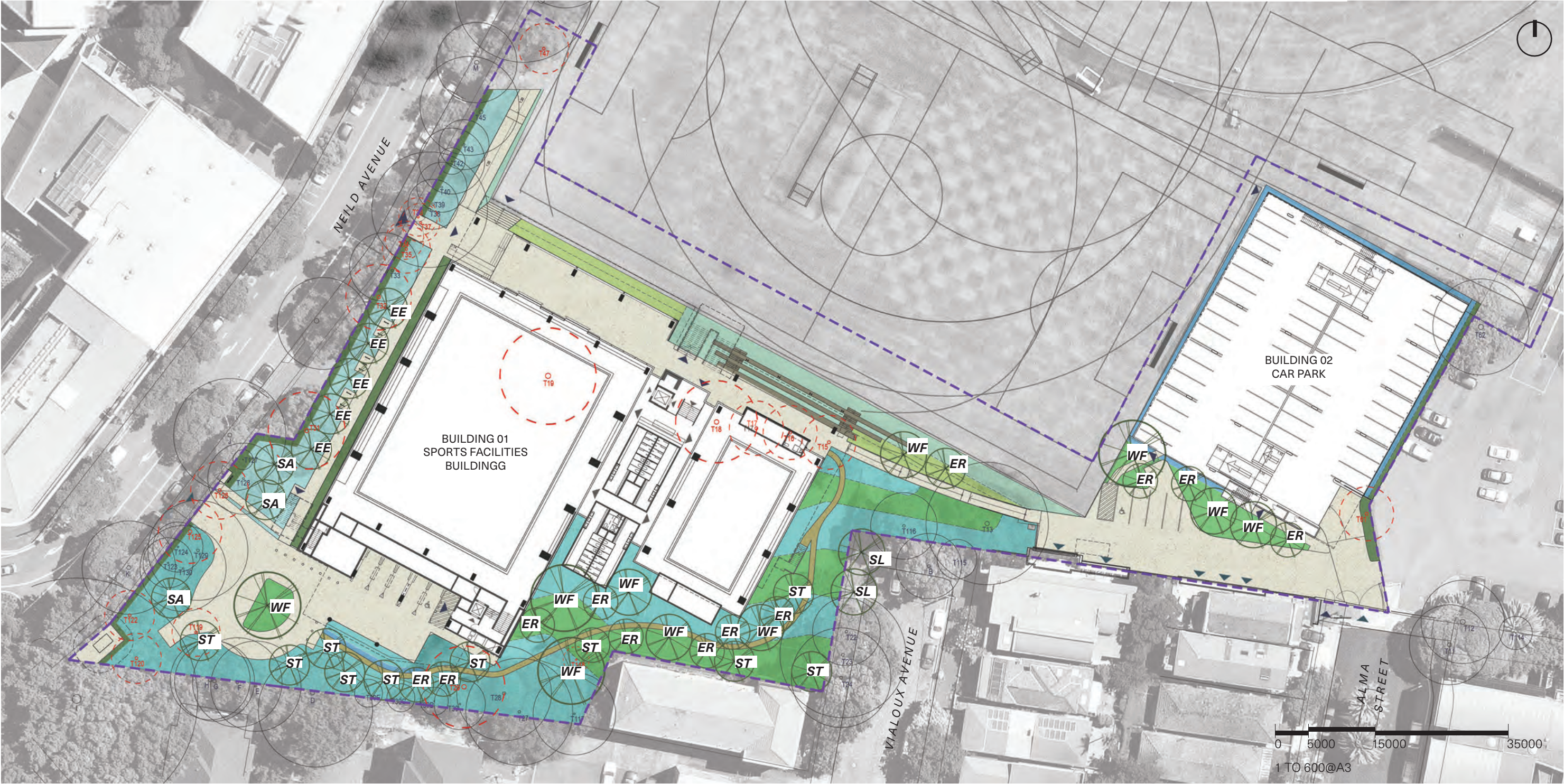
Extent of Works

Proposed tree

Proposed Street Tree

Existing tree to be retained

Existing tree to be removed



Existing Trees Plan

The following plans shows all existing trees within and adjacent to the property and identifies the Tree Protection Zone (TPZ) and Structural Root Zone (SRZ).

For tree removal and protection information refer to Arborist report

KEY

	Existing tree to be retained
	Tree Protection Zone
	Structural Root Zone
	Existing tree to be removed

	Proposed tree
	Proposed Street Tree
	Extent of Works

Existing tree to be retained legend



Tree canopy
Tree Protection Zone
Structural Root Zone
Tree number





Existing & Proposed Trees Summary

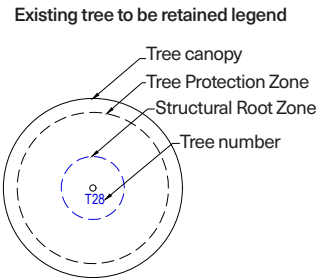
The following plan shows all existing and proposed trees within and adjacent to the property, including the trees to be removed.

A total of twenty trees will be removed and there will be forty two new trees.

PROPOSED TREES		
	Proposed tree	40
	Proposed Street Tree	2
TOTAL		42

EXISTING TREES TO BE REMOVED		
		
On Neild Avenue	Quantity	
T47		
T37		
T36		
T35		
T34		
T32		
T31		
T126		
T125		
T122		
T120		
Inside Property		
T119		
T29		
T118		
T19		
T18		
T17		
T16		
T15		
Existing Car Park (Alma St)		
T61		
TOTAL		20

KEY	
	Existing tree to be retained
	Extent of Works



Planting Palette

Planting selection will be made to relate to the range of microclimate conditions across the site, utilising native species with a focus on Eastern Suburbs Banksia Scrub species for the understory.

Trees



Elaeocarpus reticulatus



Syzygium luehmannii



Syzygium australe



Syzygium tierneyanum



Waterhousia floribunda

Shrubs



Elaeocarpus eumundi



Darwinia fascicularis



Callistemon citrinus



Acacia terminalis



Melaleuca squamea



Dillwynia retorta



Epacris longifolia



Banksia robur



Doryanthes excelsa

Planting Palette

Groundcovers & Grasses



Cissus antarctica



Dianella revoluta



Viola hederacea



Pteridium esculentum



Carpobrotus glaucescens



Dianella caerulea



Themeda australis



Westringia fruticosa.



Angiozanthos manglesii



Ficinia nodosa



Casuarina glauca



Dichelachne crinita



Billardiera scandens



Actinotus helianthi



Atriplex nummularia

Climbers & Vines



Cissus antarctica



Pandorea pandorana



Pyrostegia venusta



Trachelospermum jasminoides

Planting Schedules

PROPOSED TREES

Code	Botanical Name	Common Name	Native/Exotic	Mature Size (H X W)	Pot size (Min)	Quantity
EE	<i>Elaeocarpus eumundi</i>	Quandong	Native	15 x 6 m	200L	5
ER	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	Native	9 x 5 m	200L	12
SA	<i>Syzygium australe</i>	Lilly-pilly	Native	8 x 6 m	200L	3
SL	<i>Syzygium luehmannii</i>	Riberry Lilly Pilly	Native	10 x 4 m	200L	2
ST	<i>Syzygium tierneyanum</i>	River cherry	Native	10 x 6 m	200L	10
WF	<i>Waterhousia floribunda</i>	Weeping lilly-pilly	Native	15 x 10 m	200L	10

SHRUBS

	Botanical Name	Common Name	Native/Exotic	Mature Size (H X W)m	Pot size (Min)	Density/m²
	<i>Acacia terminalis</i>	Sunshine Wattle	Native	1.5 X 1.5	300mm	4
	<i>Banksia robur</i>	Swamp Banksia	Native	1.5 X 1.5	300mm	4
	<i>Callistemon citrinus</i>	Crimson Bottlebrush	Native	2 X 2	300mm	4
	<i>Darwinia fascicularis</i>	<i>Darwinia fascicularis</i>	Native	1 X 1.5	300mm	4
	<i>Dillwynia retorta</i>	Heathy Parrot Pea	Native	1.5 X 1.5	300mm	4
	<i>Doryanthes excelsa</i>	GyMEA Lilly	Native	1.5 x 3	300mm	4
	<i>Epacris longifolia</i>	Fuchsia Heath	Native	1 X 1	300mm	4
	<i>Melaleuca squamea</i>	Swamp Honey Myrtle	Native	1.5 X 1.5	300mm	4

CLIMBERS & VINES

	Botanical Name	Common Name	Native/Exotic	Mature Size (H X W)m	Pot size (Min)	Density/m²
	<i>Cissus antarctica</i>	Kangaroo Vine	Native	1 X 3	200mm	4
	<i>Pandorea pandorana</i>	Wonga Wonga Vine	Native	2 X 3	200mm	4
	<i>Pyrostegia venusta</i>	Flame vine	Exotic	2 X 3	200mm	4
	<i>Trachelospermum jasminoides</i>	<i>Star jasmine</i>	Exotic	1 X 1.5	200mm	4

GROUND COVERS AND GRASSES

	Botanical Name	Common Name	Native/Exotic	Mature Size (H X W)m	Pot size (Min)	Density/m²
	<i>Actinotus helianthi</i>	Flannel Flower	Native	1.2 X 0.5	200mm	4
	<i>Angiozanthos manglesii</i>	Kangaroo Paw	Native	1 X 1.2	200mm	4
	<i>Atriplex nummularia</i>	Old Man Saltbush	Native	2 X 2	200mm	4
	<i>Billardiera scandens</i>	Apple Berry	Native	1 X 1.2	200mm	4
	<i>Carpobrotus glaucescens</i>	Pig Face	Native	.3 X 1.5	200mm	4
	<i>Casuarina glauca</i>	She oak	Native	.3 X 1.5	200mm	4
	<i>Cissus antarctica</i>	Kangaroo Vine	Native	1 X 3	200mm	4
	<i>Dianella caerulea</i>	Blue Flax Lily	Native	.5 X 1	200mm	4
	<i>Dianella revoluta</i>	Blueberry Flax Lily	Native	1 X 1.5	200mm	4
	<i>Dichelachne crinita</i>	Long-hair Plume Grass	Native	1 X 1	200mm	4
	<i>Ficinia nodosa</i>	Knobby Club Rush	Native	0.5 x 0.5	200mm	4
	<i>Pteridium esculentum</i>	Bracken Fern	Native	1.5 X 1.5	200mm	4
	<i>Themeda australis</i>	Kangaroo Grass	Native	1.5 x .5	200mm	4
	<i>Viola hederacea</i>	Native Violet	Native	.2 X .8	200mm	4
	<i>Westringia fruticosa</i> 'Zena'	Westringia Zena	Native	1.5 x 2	200mm	4

* Quantities of understory plant species will be provided for Construction Certificate

ASPECT Studios