

New Liverpool Primary School Landscape Concept Design May 2021

spackman mossop michaels

1. Planning Secretary's Environmental **Assessment Requirements**

SEARS REQUIREMENTS	RELEVANT SECTION OF THE REPORT	
4. Built Form and Urban Design		
Provide a detailed landscape strategy, including:		
 Consideration of equity and amenity of outdoor play spaces, and integration with built form, security, shade, topography and existing vegetation having regard to the proposed and existing schools on the site 	Section 2 and 3	
 Details of the number of trees to be removed and the number of trees to be planted on the site. 	Section 3.4	
 Demonstrate that Aboriginal culture and heritage is considered and incorporated holistically in the design proposal. 	Section 2, 3.1 and 3.1.2	

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2. Design Principles

The landscape design approach for the New Liverpool Primary School (NLPS) is underpinned by Educational Facilities Standards and Guidelines (EFSG). It has also been also been guided by the Government Architect NSW (GANSW) guidelines: Better Placed- Design Guide for Schools and Environmental Design in Schools, and Greener Places - Urban Tree Canopy Guide.



1. Nature & Well-Being

Maximise vegetation to connect students with nature, improve wellbeing and enhance the environment



5. Inclusive

A campus that is welcoming and accessible



2. Active

Provide a variety of formal and informal active play spaces to improve physical and mental health and well-being

6. Indigenous

Respond to and enhance the existing

Indigenous context





7. Site Responsive

Respond to the existing vegetation, sloping landform, micro-climate and soils







4. Diverse

Provide a variety of spaces for different developmental needs including physical, social, cognitive and emotional



8. Sustainable & Biodiverse

Support the long-term global environmental goals and improve biodiversity

3. Landscape Concept

3.1 Landscape Plan

The landscape plan responds to the design objectives by providing a variety of places for play, social interaction and outdoor learning. A large number of movable and fixed seats are positioned throughout the site, often under canopy trees, to facilitate small or larger group interactions. Planting is largely a mix of native and exotic canopy trees with some shrubs and ground covers. Further information on the planting strategy can be found in Section 3.4.

The key elements in the landscape plan (Figures 1, 2, and 3) include:

 Entrance from Lachlan Street - facilitates movement while protecting existing trees. Permeable pavers are proposed to allow stormwater infiltration, and two feature trees to contribute to the streetscape and school identity.

2 Seating/ Outdoor Learning Area - a flexible space with movable furniture positioned close to the canteen. Synthetic turf softens the surface and delineates the passive from active space

3 Nature Play - a shaded area in amongst the trees with some shrub planting to encourage students to connect with nature. The space to also includes stepping logs, rocks and seating areas to accommodate different sized groups.

Active Play - includes a flexible, large open space with a smaller multi-purpose court and adjacent line marking for games. The multi-purpose court can also be used for school assemblies and large community gatherings.

Screen planting- close to the COLA and preschool to block views towards the railway line

7 Kitchen and Bushtucker Garden - provides opportunities for learning and creates an opportunity to respond to the aboriginal context. There is also an opportunity for a yarning circle to the south of the building (near the sports field) but isn't included in this SSDA

8 Outdoor play for support unit - a flexible lawn space screened by planting for privacy. Shade is provided by a formal shade structure.

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3.1.1 Detailed Plan A



Figure 2. Landscape Detailed Plan A

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3.1.2 Detailed Plan B



Figure 3. Landscape Detailed Plan B

Raised colourbond garden bed (1m x 3m colour iron stone supplier: gardenbeds.Kingspanwater.Com.Au)

MOVABLE/ FIXED METRO TABLE SETTING (TIMBER 'LOOK' COATED ALUMINIUM - GRILLEX.COM.AU)

KITCHEN AND BUSHTUCKER GARDENS



Coated aluminum furniture - fixed or movable (supplier: grillex.com.au)





Materials 3.3





3.4 Planting

A mix of native and exotic tree planting is proposed to provide shade and encourage students to connect with nature. Exotic trees have been chosen primarily for their extensive canopies providing shade in summer, but also for their aesthetic and deciduous characteristics. Understorey planting is proposed in key locations near the main entrance and along the western edge of the building to prevent high school students approaching the windows. Some suggested plant species are in Figure 5 and the details of the proposed tree and shade numbers are below.

Trees - SSD area only (inside the site boundary)

- Existing trees to be retained: 1
- Existing trees to be removed: **12** (all are medium significance and retention value (*Aborist Report, Birds Tree Consultancy, 2019*)
- Proposed trees: **30**

Trees - SSD area only (directly outside the site boundary)

- Existing trees to be retained: 4
- Existing trees to be removed: **3** (all are medium significance and retention value (*Aborist Report, Birds Tree Consultancy, 2019*)

Shade in Outdoor Spaces - SSD area only

- Approximately **870m2** of shade is proposed to be provided by trees (proposed mature trees and existing)
- Approximately **1375m2** of shade proposed is provided by shade structures, sails and eaves
- The total shade proposed is **2245m2** which is approximately **22%** of the site area (northern section for the SSD planning pathway)

Trees







Brachychiton acertiolius













Figure 5. Proposed plant images





Backhousia citriodora Lemon Myrtle

Native Shrubs







nm)	SPREAD (mm)	POT SIZE (mm)	QUANTITY
	8000	200L	2
	6000	200L	8
	12000	200L	4



HEIGHT (mm)	SPREAD (mm)	POT SIZE (mm)	QUANTITY
6000	5000	200L	3
10000	6000	200L	8
10000	10000	200L	1
14000	10000	200L	1