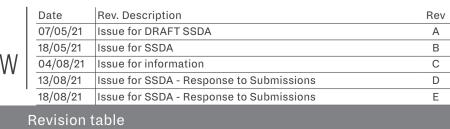
New Primary School in Edmondson Park Landscape Drawings and Design Report

DRAWING LIST

TITLE	DWG No.	REV.
COVER SHEET	LA-W-REP-000-A	E
DESIGN PRINCIPLES	LA-W-REP-001-A	С
EFSG REQUIREMENTS	LA-W-REP-002-A	С
LANDSCAPE MASTERPLAN	LA-W-REP-100-A	D
DETAIL LANDSCAPE PLAN - NORTH	LA-W-REP-101-A	D
DETAIL LANDSCAPE PLAN - SOUTH	LA-W-REP-102-A	D
LANDSCAPE SURFACES FINISHES PLAN - NORTH	LA-W-REP-103-A	С
LANDSCAPE SURFACES FINISHES PLAN - SOUTH	LA-W-REP-104-A	С
LANDSCAPE LEVELS AND GRADING PLAN - NORTH	LA-W-REP-105-A	С
LANDSCAPE LEVELS AND GRADING PLAN - SOUTH	LA-W-REP-106-A	С
LANDSCAPE SECTION A	LA-W-REP-200-A	С
LANDSCAPE SECTION B	LA-W-REP-201-A	В
LANDSCAPE SECTION C	LA-W-REP-202-A	В
STRATEGY DIAGRAMS	LA-W-REP-300-A	E
OPEN SPACE TYPOLOGIES	LA-W-REP-301-A	С
OPEN SPACE TYPOLOGIES	LA-W-REP-302-A	С
OPEN SPACE TYPOLOGIES	LA-W-REP-303-A	С
OPEN SPACE TYPOLOGIES	LA-W-REP-304-A	С
OPEN SPACE TYPOLOGIES	LA-W-REP-305-A	С
INDICATIVE MATERIALS - PALETTE	LA-W-REP-306-A	D
INDICATIVE TREE SCHEDULE	LA-W-REP-307-A	E
INDICATIVE PLANT SCHEDULE	LA-W-REP-308-A	В
INDICATIVE PLANT SCHEDULE	LA-W-REP-309-A	Α
SEAR RESPONSE	LA-W-REP-400-A	С



CONTEXT PLAN



date:

Drawing information

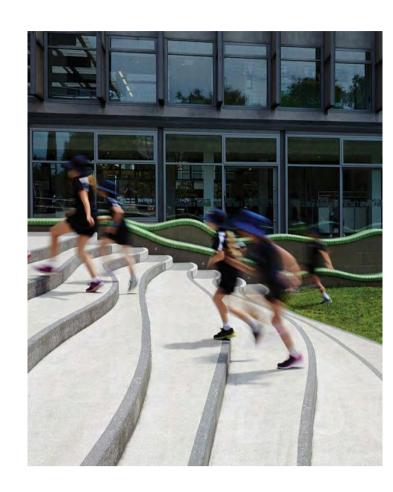
Design Principles



- 1. Context, Built Form and Landscape
- Consider Aboriginal cultural heritage and cultural plantings in the design
- Respond to site topography
- Address interface between community driven spaces and educational focused areas
- Respond to surrounding new residential and commercial developments
- Integrate transport including active pedestrian and cycle movement corridors
- Enhance existing endemic species such as Cumberland Plain Woodland
- Create a sense of identity through place-making and a strong community focused design



- 2. Sustainable, Efficient and Durable
- Develop a 'Climate Ready School' approach as part of a long term resilient strategy
- Respond to site aspect and micro-climate, particularly solar access, air quality and wind exposure
- Integrate WSUD into the design
- Select sustainable, robust and durable materials
- Promote active and public transport access
- Enhance biodiversity and reintroduce endemic species such as Cumberland Plain Woodland vegetation
- Respond to Urban Heat Island effect



- 3. Accessible and Inclusive
- Provide school entries that are safe,
- accessible, visible and welcoming
 Ensure good accessibility and legibility within the school
- Create clear through site links within the site
- Ensure pedestrian and cycle movement corridors accommodate and link to surrounding transport networks



- 4. Health and Safety
- Respond to local access and connections –
- footpaths, cycleways, bus, kiss n' dropProvide covered areas for protection from sun, rain and wind
- Support a better quality of life for students and local community members
- Sustain good mental and physical health
- Provide secure community accessible areas outside of school hours



- 5. Amenity
- Provide adequate outdoor space to accommodate student population, including future growth
- Ensure close interfaces between indoor and outdoor uses and spaces
- Provide landscape buffers to setback zones
- Implement areas for sociable activities which is inclusive of place-making



6. Whole Life, Flexibility and Adaptive

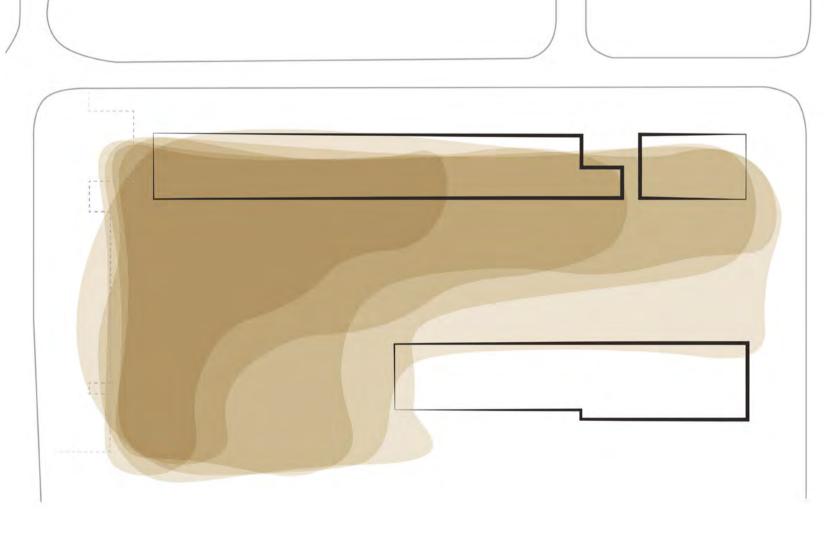
- Create a connective network of spaces which integrate play, create interest and a sense of place
- Provide capacity for multiple-use spaces which are flexible in use and have the potential to adapt to the change in functional requirements over time



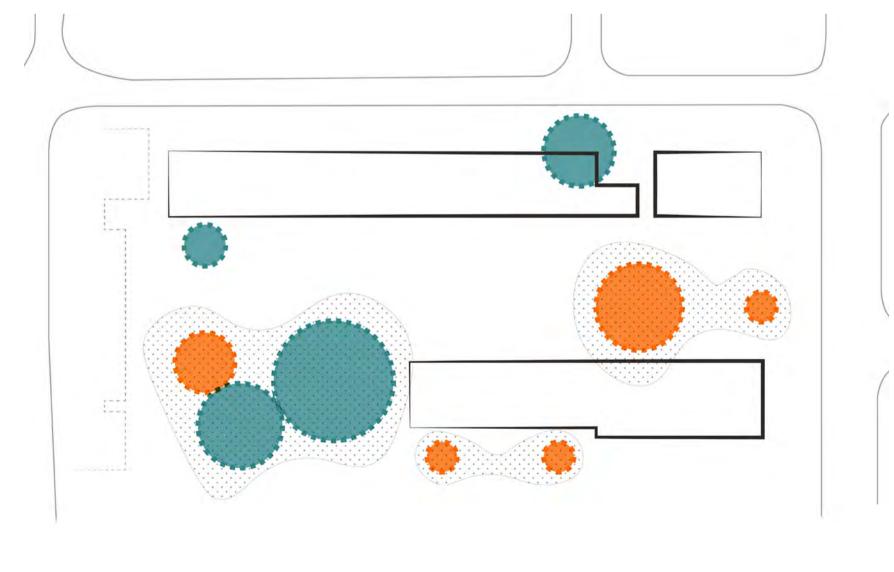
7. Aesthetics

- Create engaging and attractive environments
- Ensure landscape and building design are integrated
- Screen car parking and service zones
- Minimise and integrate security fencing into the design
- Create a stimulating environment which enhances and inspires learning

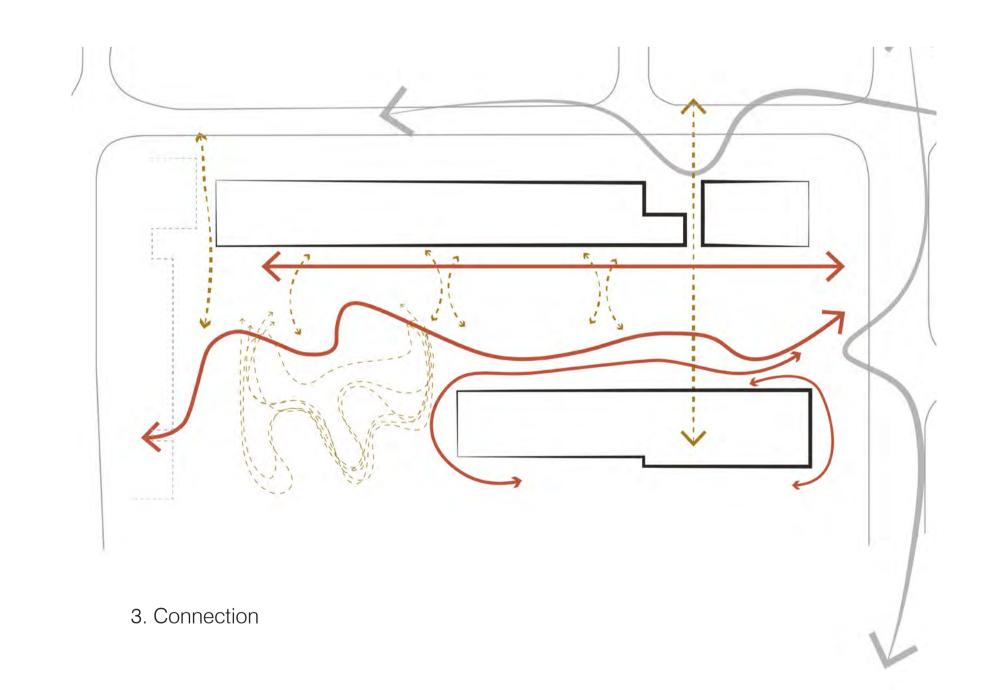
Site Narrative



1. Landform



2. Interaction



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SCHOOLS INFRASTRUCTURE NSW
 Date
 Rev. Description
 Rev

 07/05/21
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 A

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 B

 13/08/21
 Issue for SSDA - Response to Submissions
 C

NEW PRIMARY SCHOOL IN EDMONDSON PARK

DESIGN PRINCIPLES

scale: job no.: date: n/a drawn by: S21-008 checked: 11/06/21

CM/ZW KS LA-W-REP-001-A

С

Landscape Architect Architect Architect Drawing information Project Drawing information Drawing number Rev.

Landscape Typologies

The masterplan provides a range of open spaces to facilitate student's learning, physical activity, socialising and well-being. Relationships and adjacencies of uses and circulation patterns have been considered between indoor and outdoor spaces to ensure the smooth operation and use of all areas.

While meeting the functional criteria for the school, the landscape should also reflect the local character of the area, increase tree canopy cover and vegetation, and create a comfortable and inspiring environment for students, staff and visitors.

Accommodation Summary

The masterplan needs to accommodate the EFSG requirements of open space for a Core 35 Primary School. The requirements for Core 35 are shown in the table below.

EFSG Unit	Stream 9 Requirement
PS604 SERVERY COVERED AREA - TYPE 4	200m ²
PS604 COVERED OUTDOOR LEARNING AREA (COLA)	439m ²
PS505 GAMES UNIT	1 Total
PS607 ASSEMBLY AREA	875m ²

^{*} inclusive of Assembly Court, all Covered Outdoor Spaces, Outdoor Learning Units, Games Field & Courts, and 'passive open spaces'.



Servery Covered Area - 200m²

Covered Outdoor Learning Area (COLA) - 439m²

Games Unit - 455m² Assembly/ Amphitheatre Area - 630m²



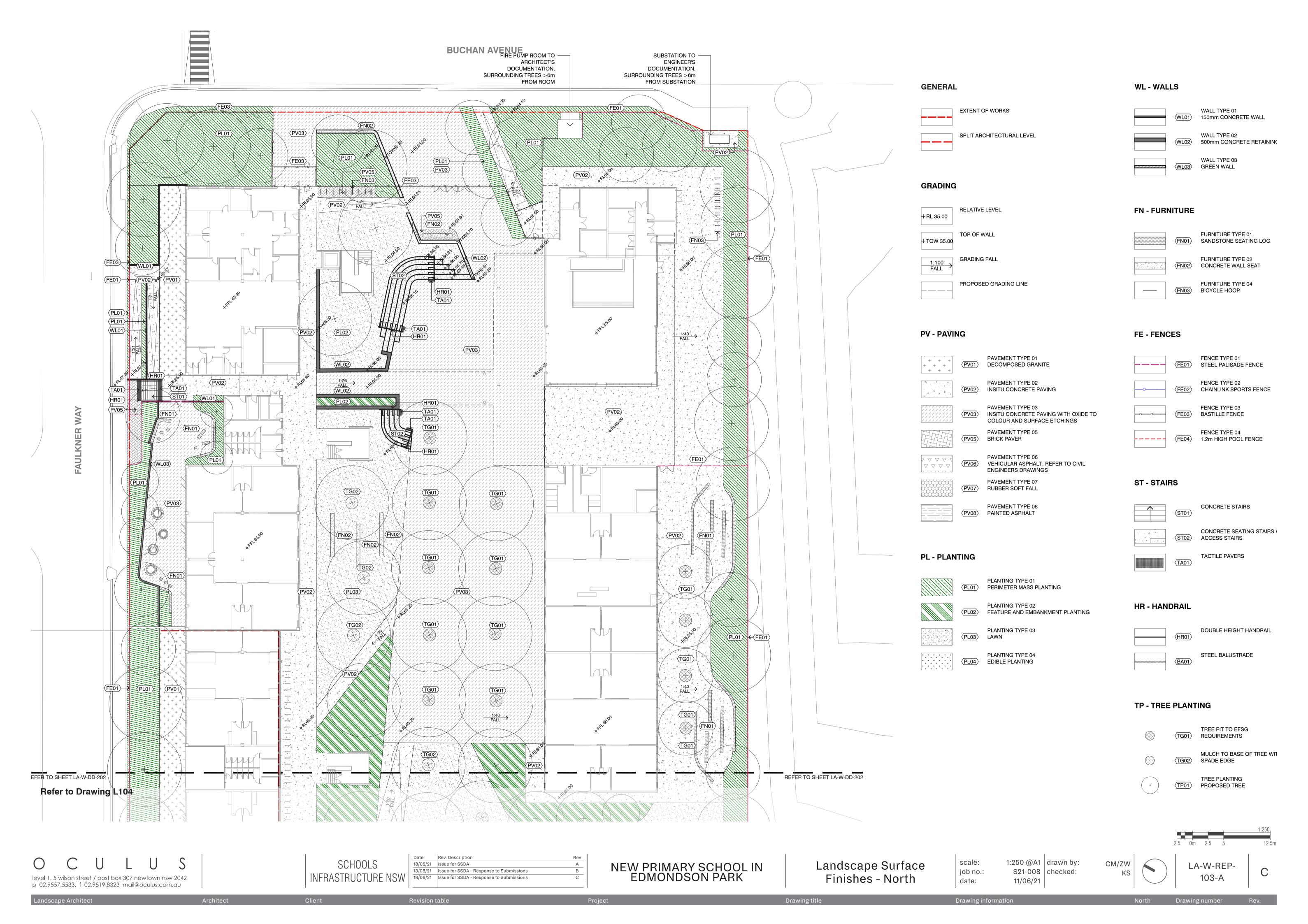


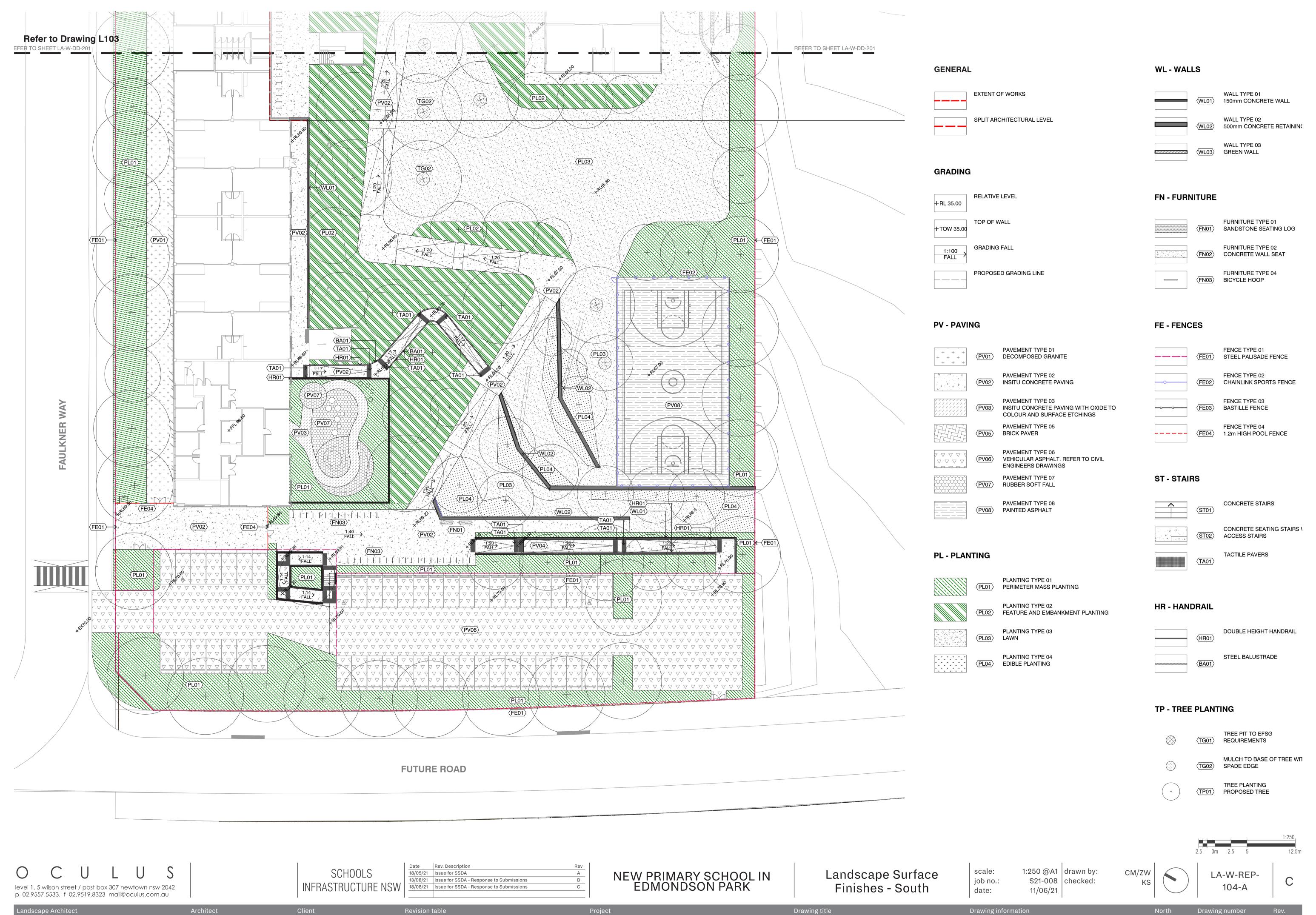


Landscape Architect Architect Architect Drawing information Project Drawing information Project Project Rev.

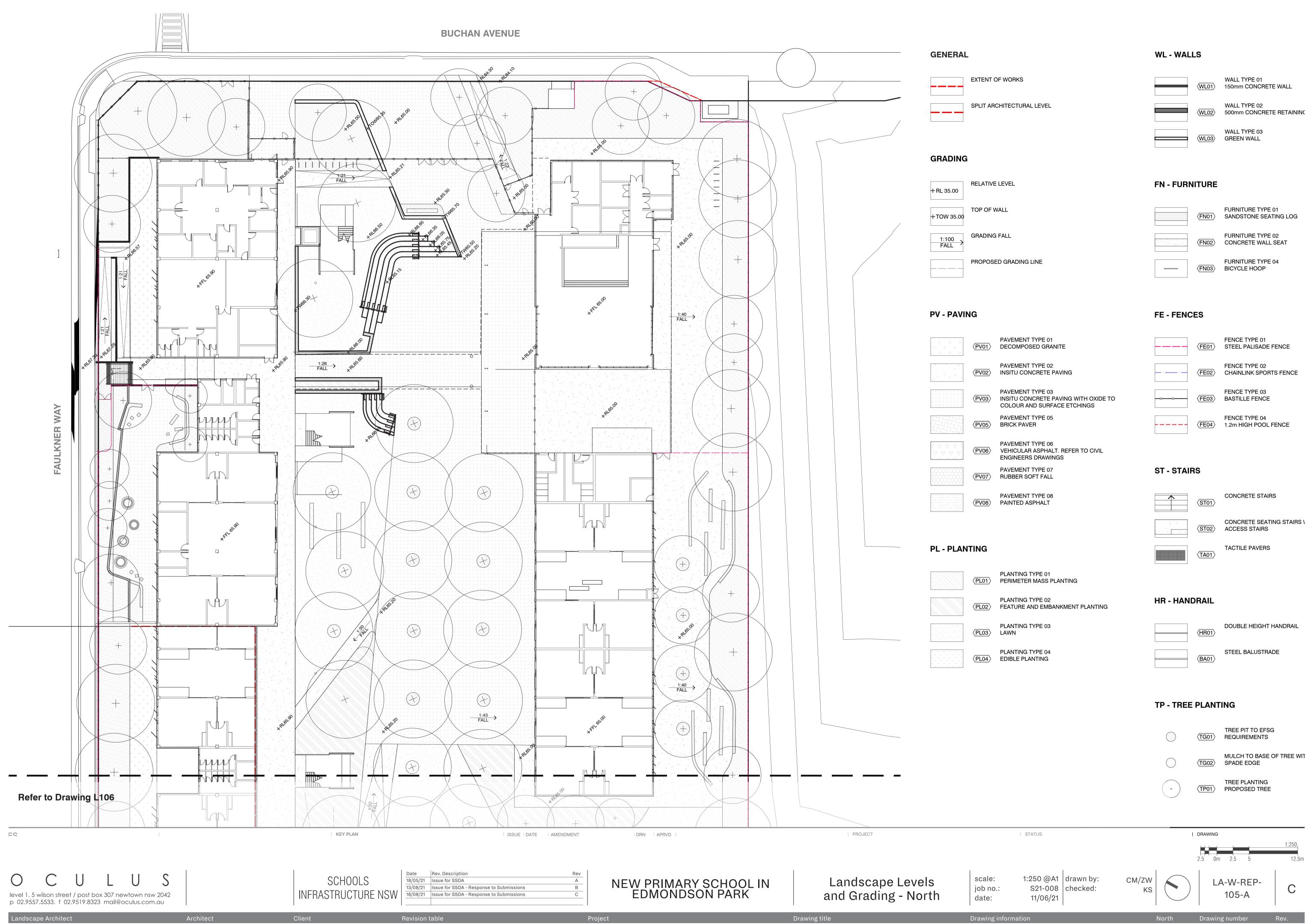


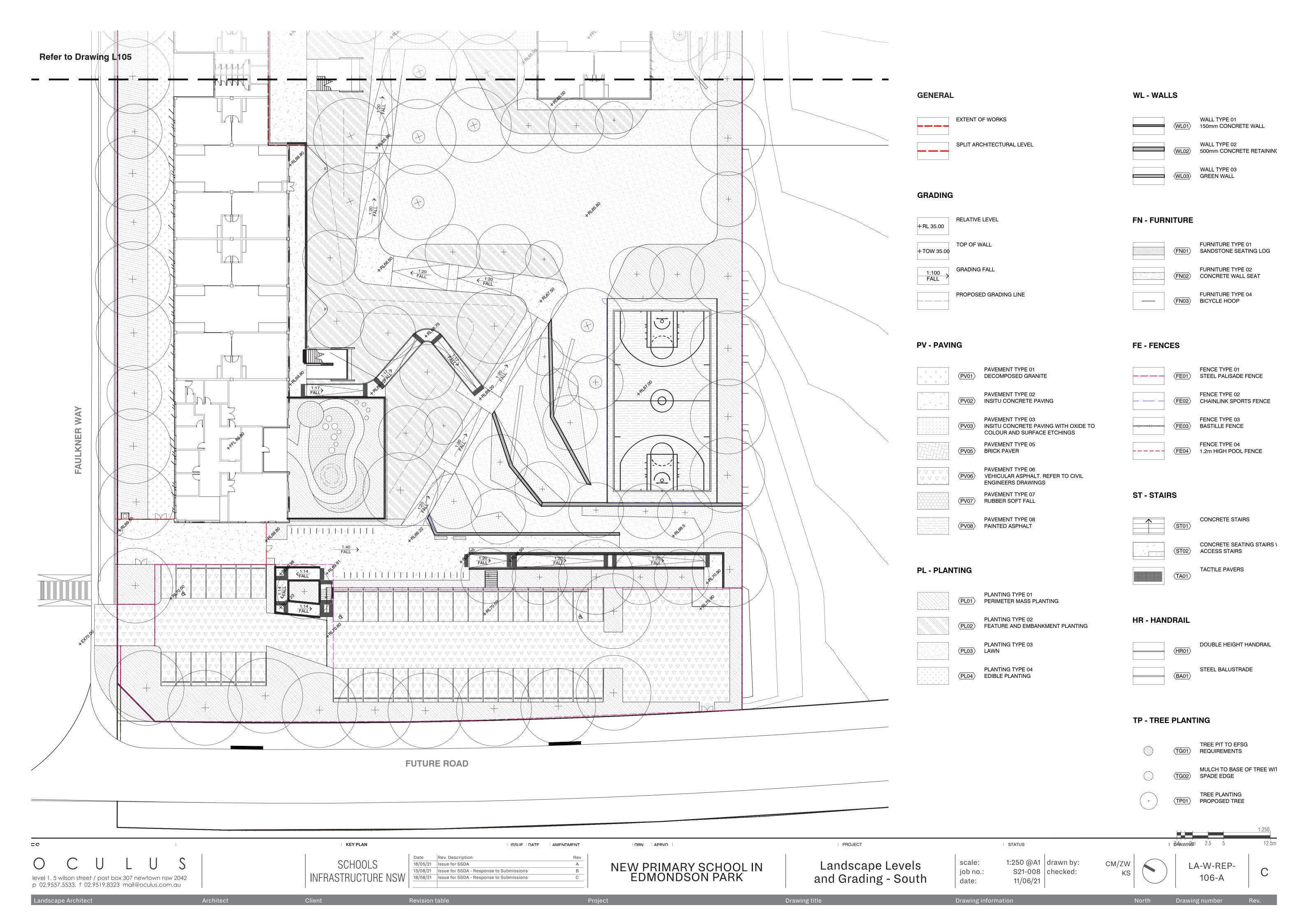






Landscape Architect Architect Project Project Project Project Revision table





LEGEND

Assembly area with feature deciduous tree avenue planting

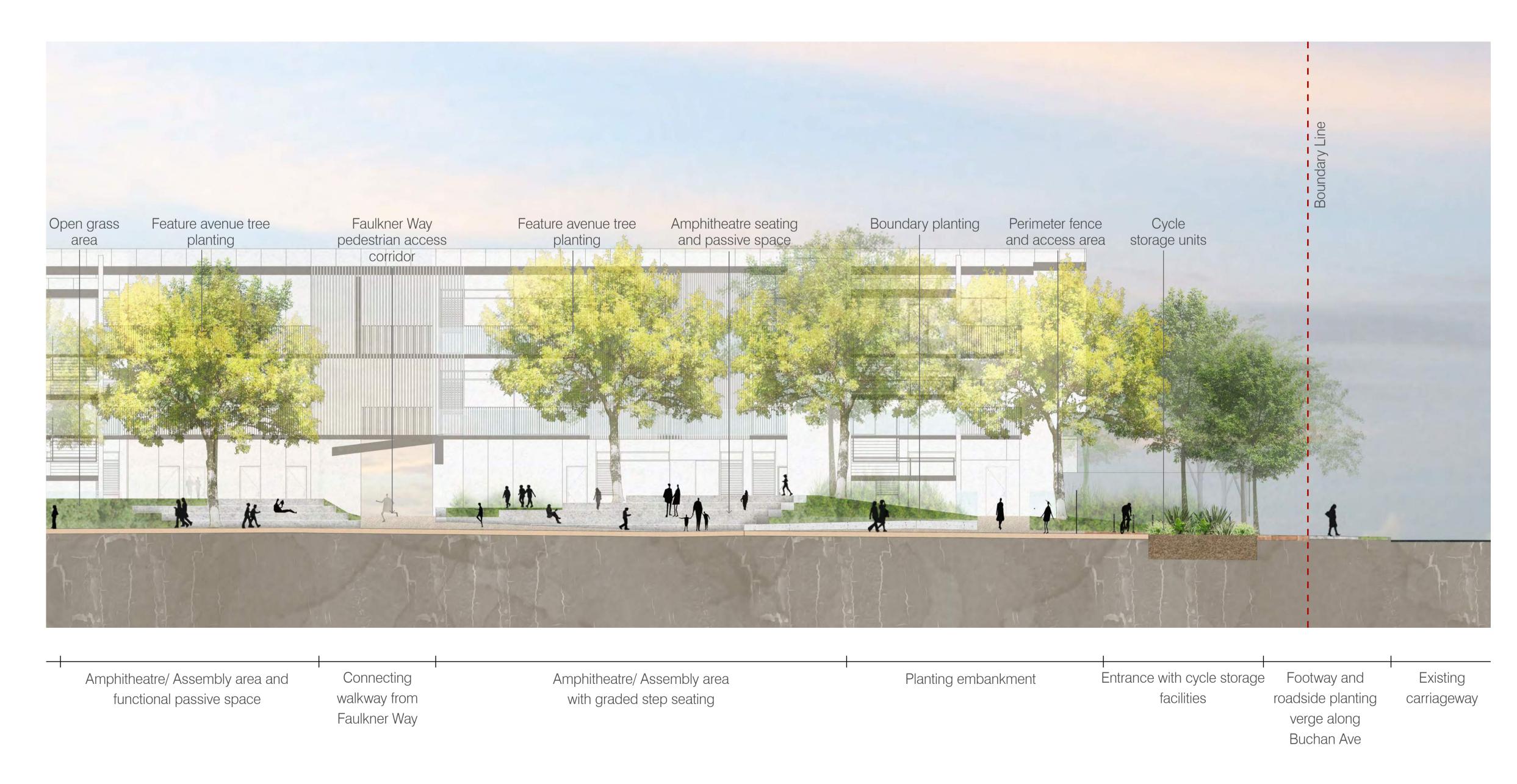
2 Informal passive grass area

3 Entrance courtyard area

4 Boundary planting

Buchan Street main entrance. Cycle storage units positioned along edge treatment





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NEW PRIMARY SCHOOL IN EDMONDSON PARK

Landscape Section A

scale: As job no.: S date: 1

As Shown drawn by: checked: 11/06/21

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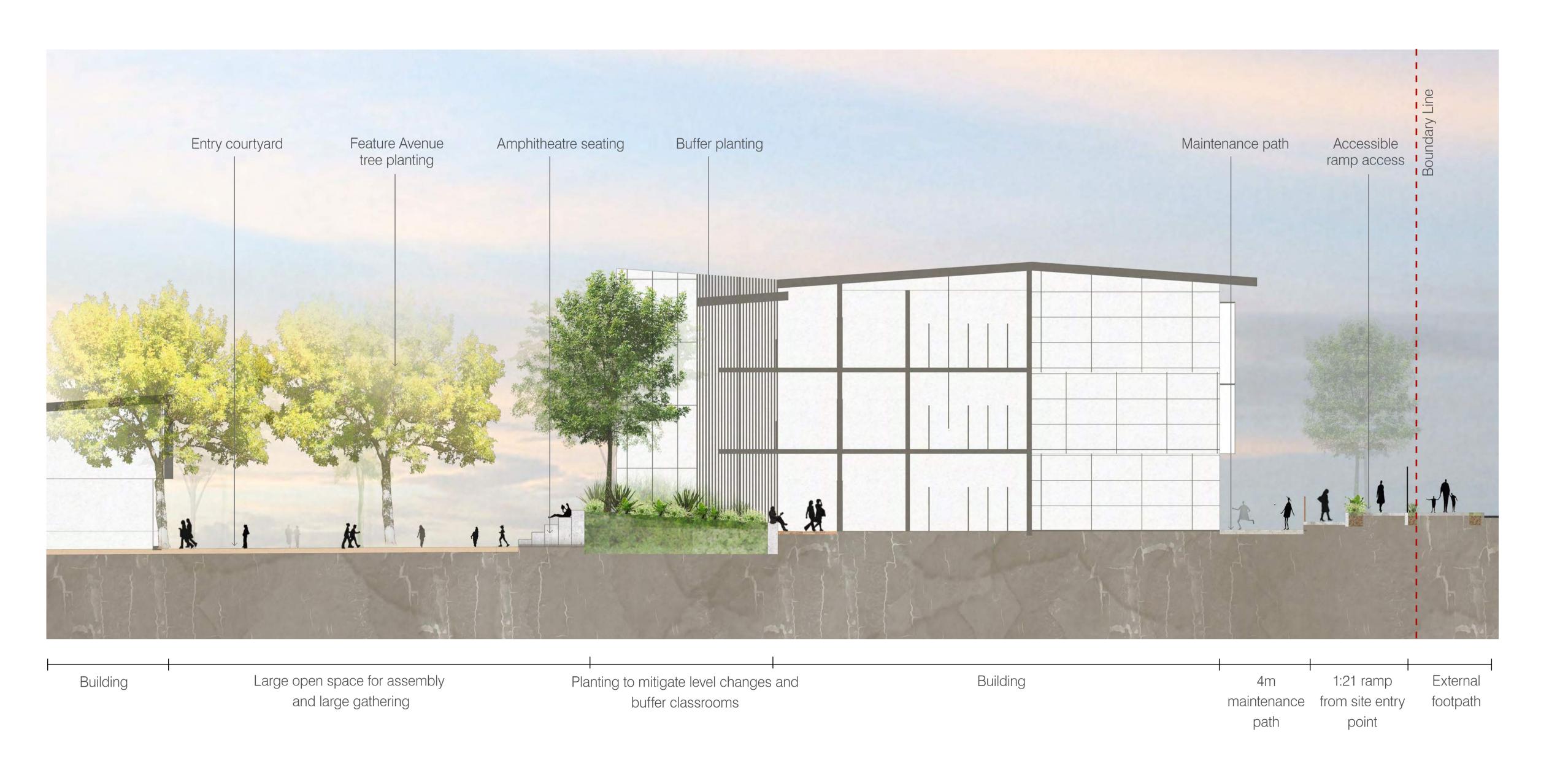
North Drawing number Rev.

Landscape Architect Architect Client Revision table Project Drawing title Drawing information

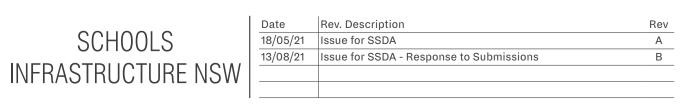
LEGEND

- 1 Ramp access to site
- 2 Maintenance path
- 3 Entrance courtyard area
- 4 Building front access
- 5 Hall and COLA Building









NEW PRIMARY SCHOOL IN EDMONDSON PARK

Landscape Section B

scale: As Shown drawn by: job no.: S21-008 checked: date: 11/06/21

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LA-W-REP-201-A

North Drawing number Rev.

Landscape Architect Architect Client Revision table Project Drawing title Drawing information

LEGEND

Obstacle free building front movement corridor

2 Ramp access

3 Main access spine

4 Informal active open space

5 Boundary buffer planting





Project

Boundary planting

Open lawn and planting play area. Perimeter tree and understorey planting.

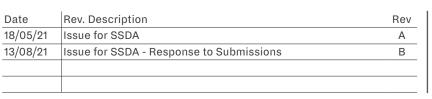
Pedestrian spine connecting main courtyard area to eastern side school facilities including pre-school and carpark area

Buffer planting

Building

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NEW PRIMARY SCHOOL IN EDMONDSON PARK

scale: job no.: date:

Drawing information

As Shown drawn by: S21-008 checked:

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Landscape Architect Architect

Revision table

Landscape Section C

Drawing title

11/06/21

North Drawing number Rev.

Planting Strategy



Tree Canopy Cover

Feature Planting/ Sensory Planting

Lawn Planting

Edible Planting

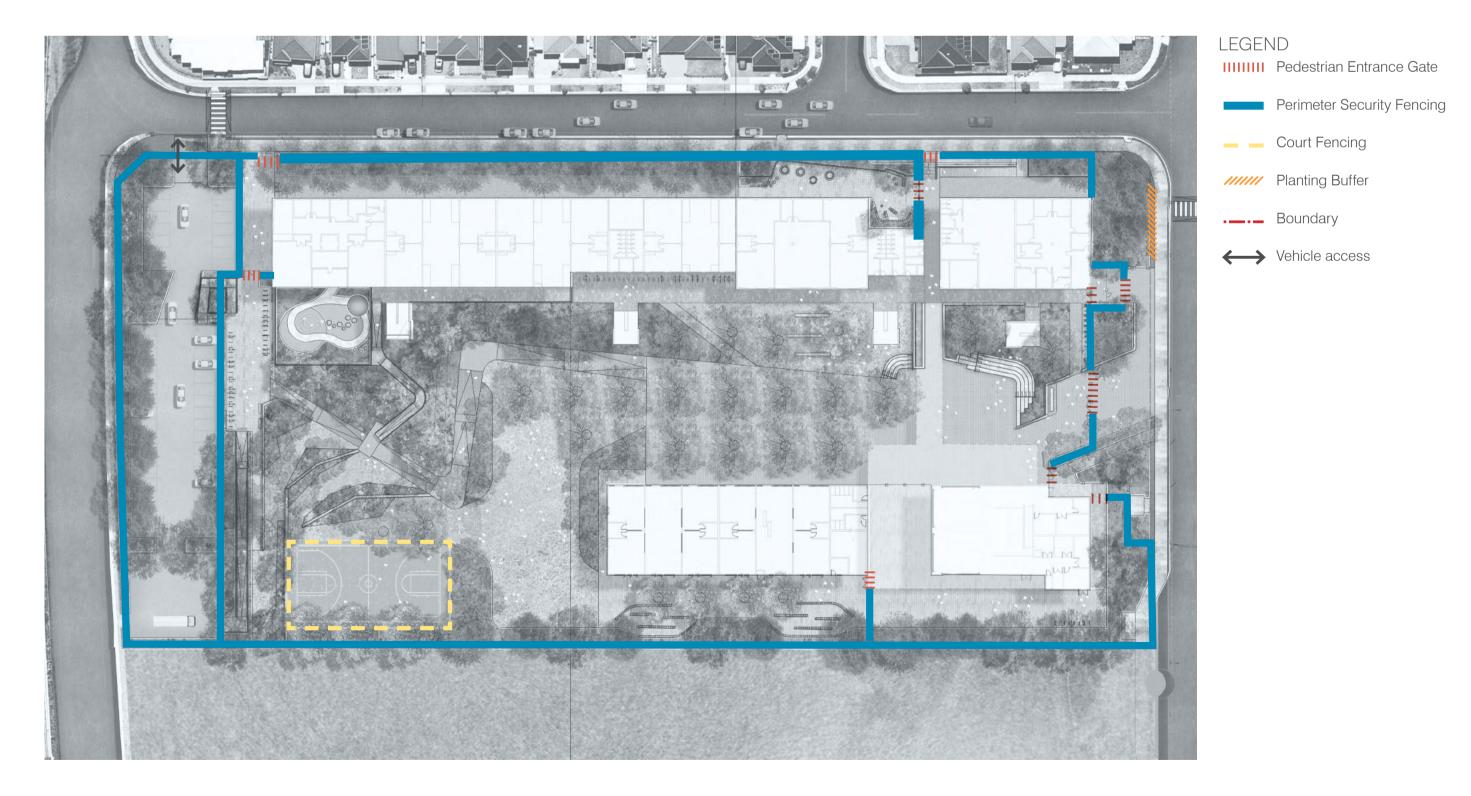
Embankment Planting

Cumberland Plain Perimeter Planting



Note, to help manage bushfire, groupings of trees are required to be separated 2 to 5m at maturity. In addition, trees at maturity should not touch or overhang the buildings.

Fencing Strategy



Pedestrian Movement Corridor



Access Spine Pedestrian Corridor Links Unobstructed Building Front Connecting Walkway ← Vehicle Assess Points

Pedestrian Entry Points

LEGEND

New Canopy

Site Boundary

Site Area: 20885m²

Breaks in canopy

Proposed Canopy: 8574m² Coverage Rate: 40% Number of Trees: 120

*Approximate calculations.

Entrance Areas

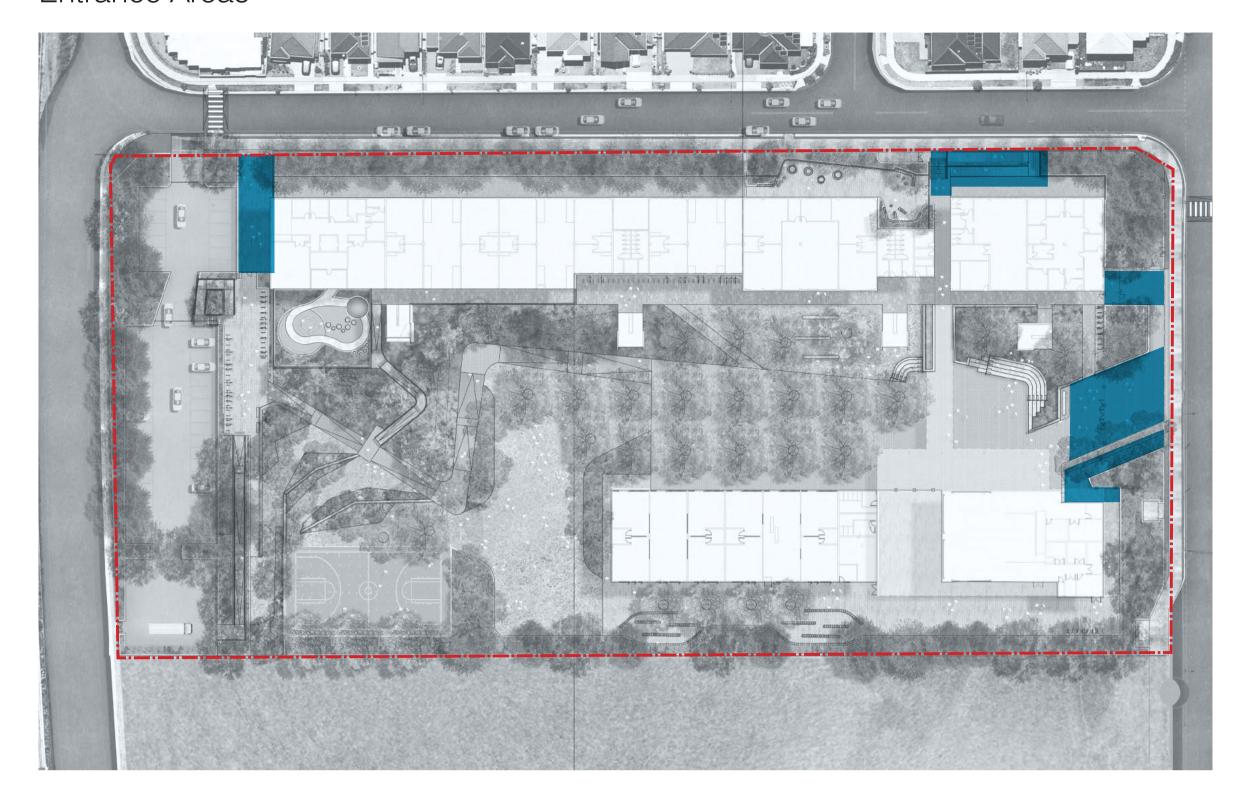




Image: AHR, Rowley Learning Campus, United Kingdom



Image: Lipman-Context, Bella-Vista Public School, NSW



Image: AHR ,David Livingstone Memorial Primary School , UK

Outdoor Assembly Area



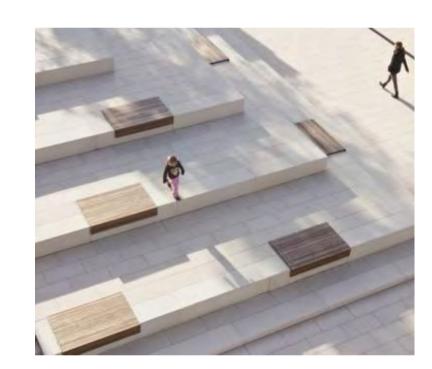


Image: Germany



Image: OCULUS, Loreto Mandeville, VIC

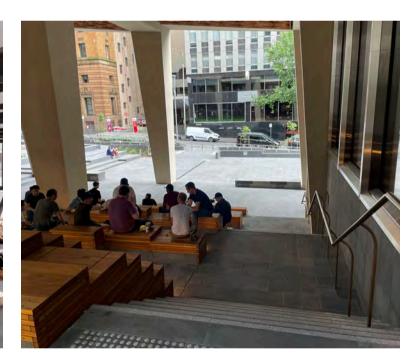


Image: Woods Baggot, Collins Arch, VIC

Drawing information

North Drawing number Rev.

Servery and COLA Areas





Image: Scale Architecture, Australia Street Infants School, NSW



Image: ASPECT, Marrickville



Image: Melbourne Queen Victoria Gardens Victoria, Melbourne

Open Play Space





Image: LSA Erskineville Primary School, NSW



Image: Children First Pre-School, Blacktown, NSW



Image: McGregor Smith, Marlborough Primary School ,UK

Drawing information

North Drawing number Rev.

Outdoor Learning









Image: Scotch Oakburn College, Tas



Image: Tyrrell Studio, Anzac Park Public School, NSW

Games Court





Image: AHR, Front Street Primary School, UK



Image: Redding School of Arts, USA



Image: Peter Elliot Architecture, RMIT, VIC

Passive Landscape



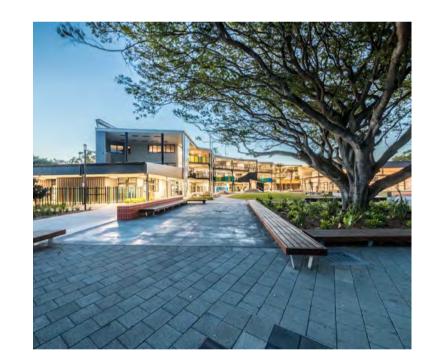


Image: EJE Architecture Ballina Coast High School, NSW



Image: TCL, Melbourne Girls Grammar School, VIC



Image: Encounter Lutheran College, SA

Active Informal Open Space





Image: Penrhos College, Como, WA



Image: Heathfield Primary School, SA



Image: Coleridge Primary School, London

Drawing title

Drawing information

Onsite Carpark and Vehicle Drop off Area









Image: EJE Architecture Ballina Coast High School, NSW

Perimeter Landscape Planting









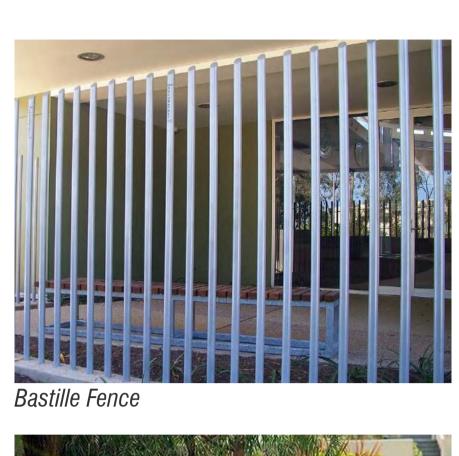
Image: Sam Cox Landscapes, Curlewis, VIC



lmage: Clermont Park Edmondson Park, NSW

Indicative Materials

Fence & Walls 2.15m Security Perimeter Fence Furniture Concrete Bench Paving







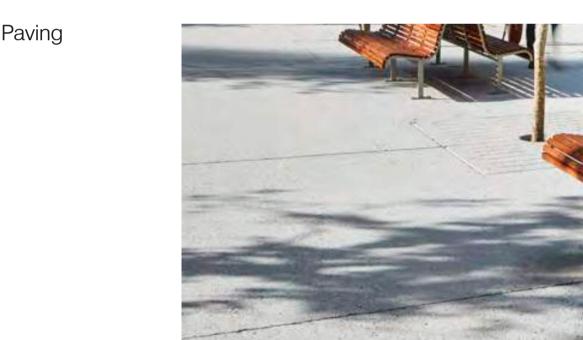












Insitu Concrete











Softscape











Large Active Lawn

Linear Tree Planting

Layered, Cascading Planting

SCHOOLS INFRASTRUCTURE NSW

21/05/21 Issue for SSDA - Updated text
13/08/21 Issue for SSDA - Response to Submissions

NEW PRIMARY SCHOOL IN EDMONDSON PARK

Indicative Materials - Palette job no.:

n/a drawn by: S21-008 checked:

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LA-W-REP-306-A

Indicative Tree Schedule

Central and feature planting

Species	Common Name	Mature Height	Mature Spread
Backhousia citriodora	Lemon scented myrtle	8m	4m
Brachychiton acerifolius	Illawara flame tree	20m	10m
Elaeocarpus reticulatus 'Prima Donna'	Blueberry Ash	6-8m	2-4m
Pyrus calleryana 'Capital'	Ornamental pear	11m	3m
Tristaniopsis luscious	Luscious water gum	6m	4m
Waterhousia floribunda	Weeping Lilly Pilly	12m	10m

Total central and feature trees: 62



Brachychiton acerifolius



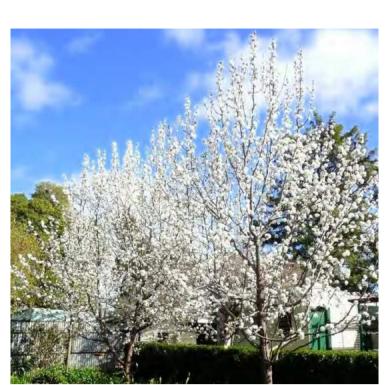
Backhousia citriodora



Tristaniopsis luscious



Waterhousia floribunda



Pyrus calleryana 'Capital'

Perimeter planting

Species	Common Name	Mature Height	Mature Spread
Angophora floribunda	Rough Barked Apple	15m	10m
Brachychiton populneus	Kurrajong Tree	10m	10m
Callistemon salignus	White weeping bottlebrush	8m	5m
Eucalytpus longifolia	Woollybutt	25m	15m
Eucalyptus moluccana	Grey box	25m	15m
Eucalyptus sideroxylon	Mugga Ironbark Gum	30m	10m
Lophostemon confertus	Brush box	15m	10m
Melaleuca linariifolia	Tea tree	10m	4m

Total perimeter trees: 58

Total proposed trees 120



Angophora floribunda



Brachychiton populneus



Callistemon salignus



Eucalyptus sideroxylon



Melaleuca linariifolia



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 A

 18/05/21
 Issue for SSDA
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 04/08/21
 Issue for information
 C

 13/08/21
 Issue for SSDA - Response to Submissions
 D

 18/08/21
 Issue for SSDA - Response to Submissions
 E

NEW PRIMARY SCHOOL IN EDMONDSON PARK

Indicative Tree Schedule

scale: job no.: date:

n/a drawn by: S21-008 checked: 11/06/21 CM/ZW KS

LA-W-REP-307-A

Е

Landscape Architect Architect Client Revision table Project Drawing information Drawing number Rev.

Indicative Planting Schedule

Feature and Embankment Planting

Species	Common Name	Mature Height	Mature Spread
Callistemon 'Little John'	Dwarf Bottlebrush	1m	1m
Ctenanthe 'Silver-Maroon'	Never-never plant	0.5m	0.5m
Dianella caerulea	Paroo Lily	0.5m`	0.5m
Doryanthes excelsa	Gymea Lily	1.0m	1.0m
Echinacea purpurea	Purple Cone Flower	0.6m	0.5m
Gardenia radicans	Dwarf Gardenia	0.5m	1.5m
Helianthus annuus	Common Sunflower	0.9m	1m
Hibbertia scandens	Climbing Guinea Vine	0.5m	3m
Lavandula dentata	French Lavender	0.8m	0.6m
Leptospermum Pink Cascade	Tea Tree Hybrid	1.2m	0.8m
Phormium tenax	'Bronze Warrior' Bronze Flax	2.0m	1.8m
Trachelospermum jasminoides	Star Jasmine	0.2m	2.0m











Ozothamnus diosmifolius

Cumberland Plain Planting

















Doryanthes excelsa



Echinacea purpurea







Hibbertia scandens



Lavandula dentata



Leptospermum Pink Cascade



Trachelospermum jasminoides

Indicative Planting Schedule

Indigenous Food Planting

Species	Common Name	Mature Height	Mature Spread
Backhousia citriodora	Lemon Scented Myrtle	8m	4m
Citrus australasica	Finger Lime	4m	3m
Davidsonia jerseyana	Davidson Plum	8m	4m
Sambucus austrasica	Yellow Elderberry	4m	3m
Hibiscus sabdariffa	Rosella	2m	1m
Platysace deflexa	Youlk	0.4m	1m
Apium annuum	Sea Celery	0.5m	0.5m
Mentha australis	River Mint	0.5m	1m
Kunzea pomifera	Muntries	0.3m	2m











International Food Planting

Species	Common Name	Mature Height	Mature Spread
Beta vulgaris	Beetroot	0.5m	0.3m
Citrus reticulata 'imperial'	Dwarf Mandarin	2.5m	2m
Pisum sativum var. saccharatum	Sugar Snap Pea	1.5m	1.5m
Beta vulgaris ssp. vulgaris 'rainbow'	Rainbow Silverbeet	0.4m	0.3m
Salvia officinalis	Sage	0.8m	0.5m
Thymus vulgaris	Common Thyme	0.3m	0.5m
Solanum lycopersicum 'totem'	Tomato Totem	1m	0.5m
Ocimum basilicum anise	Thai Basil	0.75cm	0.5m
Capsicum annuum 'redskin'	Red capsicum	0.3m	0.5m











Beta vulgaris ssp. vulgaris 'rainbow'

Thymus vulgaris

Solanum lycopersicum 'totem'

Citrus reticulata 'imperial'

Capsicum annuum 'redskin'





SCHOOLS INFRASTRUCTURE NSW

Date Rev. Description

13/08/21 Issue for SSDA - Response to Submissions



Project



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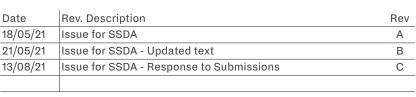
Drawing information

Planning Secretary's Environmental Assessment

Items to Address	Design Reponse
4. Tree Removal and Landscaping	
Provide a detailed site-wide landscape strategy that:	
Details the proposed site planting, including location, number and species of planting, heights of trees at maturity and proposed canopy cover	The planting type locations, species and heights at maturity have been included in the Indicative Plant Schedule. The canopy cover target for the proposed site is 40%.
Considers equity and amenity of outdoor play spaces, and integration with built form, security, shade, topography and existing vegetation	 The design has responded to EFSG requirements for open play space (10m2 per student) whilst accommodating a variety of open space typologies The landscape responded to the built form through the allowance of obstacle free pedestrian movement along the building front, spill out areas and clear access corridors from building entrance points towards open space and function outdoor areas Security has been integrated into the design through perimeter fencing which allows for seperate School and Community access points to accommodate out of hours use of the hall The proposed design has achieved 40% canopy cover to meet SDRP requirements and provide shade in open space areas. The vegetation on site is scarce and pre-existing trees have been removed leaving an open grass area
Demonstrate how the proposed development will:	
Contribute to long term landscape setting in respect of the site and the streetscape	The design has focused on capturing a natural landscape setting which reflects the Cumberland Plain Woodland character of the site. Endemic vegetation along perimeter edges will create a visual and ecological corridor connection to Clermont Park and the Reserve. Through the introduction of Cumberland Plain Woodland into the landscape the design responds symbolically to the living and cultural heritage of the site and connection to country. The main access gateway into the site along Buchan Avenue provides a clear visual connection to the street front and Clermont Park. Perimeter planting creates a buffer zone and streetscape setting for the school
Mitigate the urban heat island effect and ensure appropriate comfort levels on-site.	The planting strategy is based on creating a green and coherent network of spaces which provide shelter from the sun, reduction in heat temperatures and a comfortable microclimate environment for students. Diversity and distinctive planting typologies contribute to the relationship to functional areas. Trees, Shrubs and groundcover create the three layers of plantng; Trees provide shade, shrubs and groundcover mitigate surface heat and create a cooling effect in the landcape. Air pollution reduction and water management are additional desired outcomes.
Contribute to objectives to increase urban tree canopy cover; A detailed landscape plan prepared by a suitably qualified person	The design has achieved the required 40% canopy coverage to meet Greener Places canopy cover requirements. A tree canopy cover strategy plan has been provided as part of the SSDA Landscape drawings











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CM/ZW KS

LA-W-REP-400 -A