Appendix G7
Site-wide Landscape Strategy

Environmental Impact Statement

for Alterations and Additions to

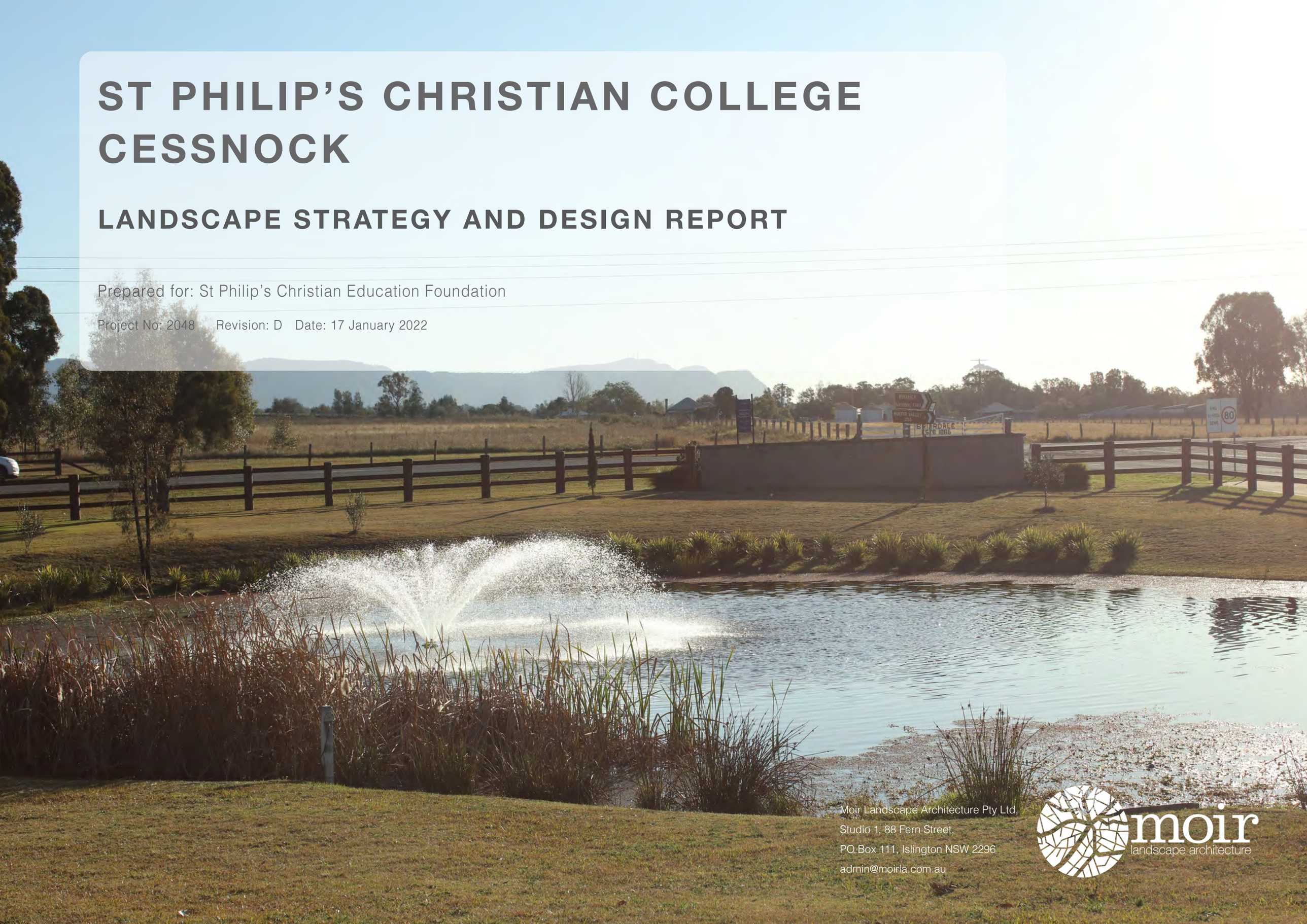
St Philip's Christian College, Cessnock

ST PHILIP'S CHRISTIAN COLLEGE CESSNOCK

LANDSCAPE STRATEGY AND DESIGN REPORT

Prepared for: St Philip's Christian Education Foundation

Project No: 2048 Revision: D Date: 17 January 2022



Moir Landscape Architecture Pty Ltd,
Studio 1, 88 Fern Street,
PO Box 111, Islington NSW 2296
admin@moirla.com.au

moir
landscape architecture

Contents

Issue	Status	Checked By	Date
A	Draft	JS	17.09.21
B	Draft	JS	05.10.21
C	For Review	TB	18.11.21
D	For Submission	TB	17.01.22

moir landscape architecture

1 OVERVIEW

2 SITE

3 LANDSCAPE DESIGN PRINCIPLES

4 PRECINCT CONCEPTS

5 STAGING

1.1 Introduction

This report has been prepared to support a State Significant Development Application for alterations and additions to an existing school known as St Philip's Christian College Cessnock. The school caters for students from Kindergarten to Year 12 and also incorporates an Early Education Centre and Prep program as well as a special school for students requiring an alternate learning environment.

The school is located on the corner of Lomas Lane and Wine Country Drive, Nulkaba and its land holdings incorporate four large lots described as Lot 1 DP 126765, Lot 1 DP 744377, Lot 2 DP 600895 and Lot 518 DP 837571.
The site is irregular in shape and has an overall area of 41.8 hectares. The site's northern boundary has frontage to Lomas Lane of approximately 390 metres and its western boundary fronts Wine Country Drive with a length of approximately 1030 metres. The site's eastern boundary is defined by Black Creek.

The proposed development, to be constructed in several stages, consists of seven (7) new buildings and additions/ alterations to six (6) existing buildings. As part of the development certain existing pre-fabricated buildings will be removed to make way for new permanent buildings.
The proposed development also incorporates infrastructure works external to the site associated with provision of a new intersection on Wine Country Drive providing direct access to the school at the southern end of the campus, and the upgrade of the intersection of Wine Country Drive and Lomas Lane to a roundabout. Widening of Lomas Lane will also be carried out to facilitate the provision of bus bays and a bus layover area.

The school has a current enrolment of approximately 1,270 students, including the Narnia Early Education Centre and Prep Program and DALE Special School. This application seeks approval for an increase in student numbers up to 1,732.

Moir Landscape Architecture were engaged to provide landscape architectural services for the redevelopment of St Philips Christian College, located at Lomas Lane, Nulkaba (Cessnock). For the initial stage of the project, Moir LA has prepared a site-wide Landscape Strategy to accompany the master plan prepared by SHAC Architects, with whom Moir LA has worked closely to develop an integrated design strategy. The design has been prepared in accordance with relevant strategic documents and planning policies, notably the 'Better Placed' policy from the Government Architect NSW (GANSW) and local Cessnock Council planning controls.

As a school campus, the design proposal seeks to maximise opportunities for a stimulating and engaging learning environment. A detailed analysis of site conditions has informed a design strategy that responds to existing landscape elements, including the site's topography, network of water bodies and resident ecological communities, as well as constraints such as flooding and bush fire.

The site-wide landscape strategy identifies the unique character of each of the four key activity precincts, while ensuring an overall design coherence across the school campus. The design seeks to enhance the site's overall amenity and sustainability through consideration of connectivity, shade, views, materiality and water management using best practice water sensitive urban design.

1:20,000 @ A3
0 200 400 600 800 1000

Source: Nearmap

1.2 Strategic Approach

Better Placed - Government Architect NSW

The Design Guide for Schools and Environmental Design in Schools are part of a suite of documents developed by the G*overnment Architect NSW (GANSW)* as part of the *Better Placed* design policy. These documents have been prepared by GANSW in collaboration with School Infrastructure NSW (SINSW) and provide specific guidance for good design in NSW schools.

The Design Guide For Schools provides guidance on how to meet the Education SEPP Design Quality Principles, listed as the following:

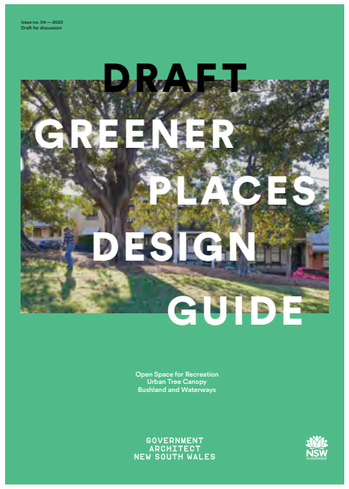
1. Context, built form and landscape
2. Sustainable, efficient and durable
3. Accessible and inclusive
4. Health and safety
5. Amenity
6. Whole of life, flexible and adaptive
7. Aesthetics

The Design Guide provides recommendations for a best practice approach to the design process for schools, emphasising the importance of a wholistic and participatory design approach.

Environmental Design in Schools outlines the benefit of environmentally sensitive design for people and their surroundings in schools. The manual presents strategies for designing buildings and landscapes that respond to the natural environment in order to create comfortable and sustainable learning spaces.

The GANSW documents *Greener Places Design Guide* and Designing with Country discussion paper provide additional guidance that is relevant to certain aspects of the project.

The guidance provided by these documents will inform the design approach for the landscape strategy, ensuring the delivery of a high quality design in line with State Government principles.



Source: Government Architect NSW

1.3 St Philip’s Christian College

Founded in 1998, St Philip’s Christian College Cessnock was originally known as Hunter Vineyard Christian College. The school has been managed by St Philip’s Christian College since 2004. It is one of six schools across the Hunter and Central Coast regions under the governance of St Phillip’s Christian Education Foundation.

St Philip’s Christian College Cessnock is located on a 42-hectare site on Wine Country Drive, Nukalba. At present, the school has over 1200 students across prep, junior school, middle school and senior school.

Our Mission

‘St. Philip’s Christian College will continue to provide quality education in a caring, secure and challenging learning environment based on Christian beliefs, values and practice’

Our Core Values

- *Christ First - we want to honour Christ in all things.*
- *Serve One Another - we want to appreciate the unique God-given potential of each person.*
- *Strive For Excellence - we want to aim to do our very best all the time.*
- *Do What Is Right - we want to always behave in a Christian manner.*
- *Build Community - we want everyone to feel they belong.*

St Philip's Christian College
The Way · The Truth · The Life
For the Whole of Their Life

Source: St Philip’s Christian College

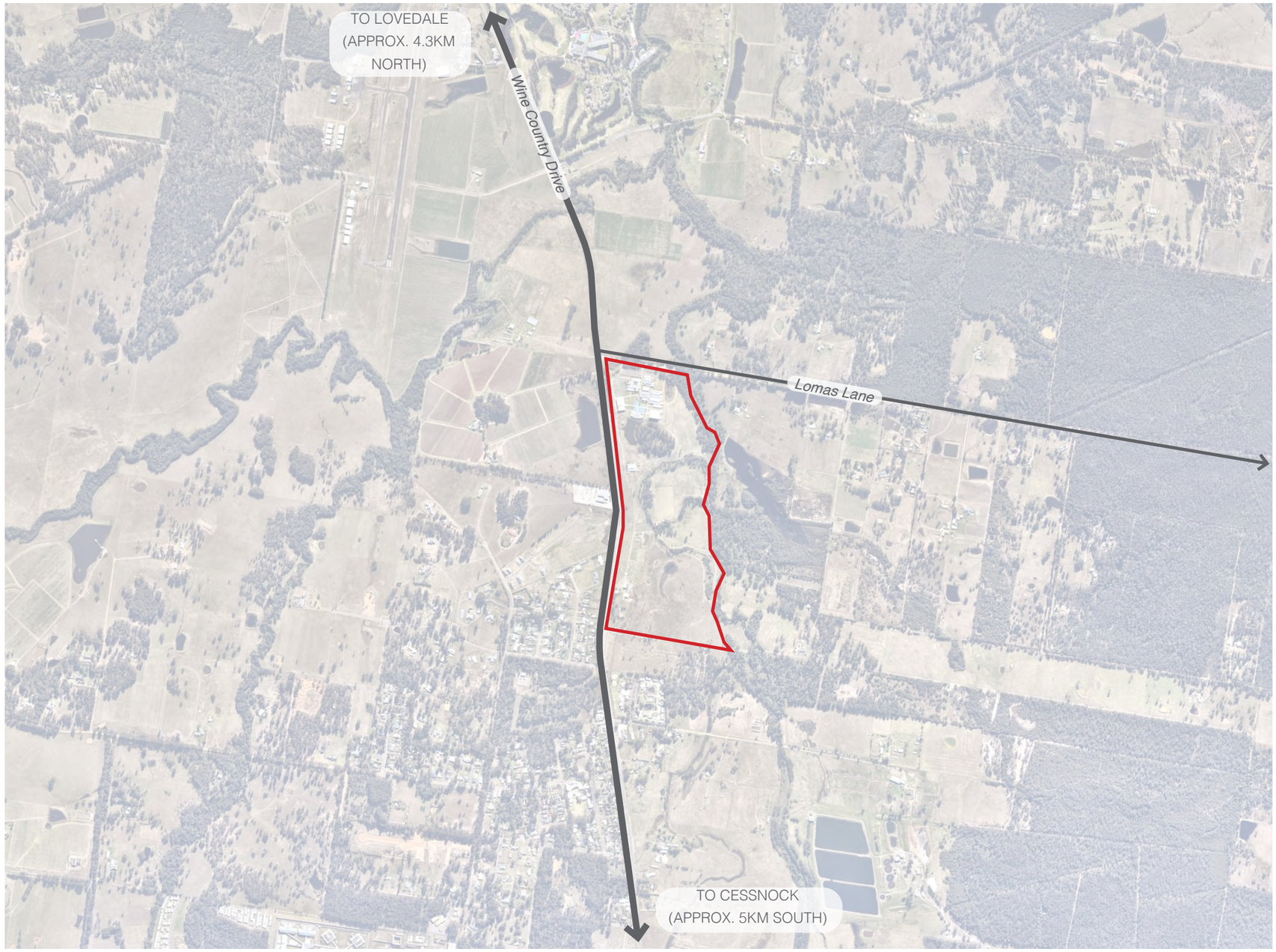
moir landscape architecture

1 2 3 4 5

OVERVIEW SITE LANDSCAPE DESIGN PRINCIPLES PRECINCTS STAGING

2.1 Context

The Site is situated along Wine Country Drive, approximately 5km north of Cessnock within a predominantly agricultural landscape.



1:20,000 @ A3

0 200 400 600 800 1000

LEGEND

Site boundary

2.2 Site Photos

Key Plan

1. Water feature and signage and main intersection. The Broken Back Range can be seen in the background.

2. Current entry off the existing admin building

3. Vehicular entry off Lomas Lane

4. Gravel road with dam, eucalyptus forest and sports field to the east

5. Covered court with playground behind

6. Pathway across open lawn with carpark behind

7. Covered walkway along new building

8. Edge of sports court looking towards Wine Country Drive

9. Sports courts in front of sports hall

2.2 Site Photos


10. Battered grassed area leading to the dam


11.View across reeds associated with dam


12. View across dam toward Wine Country Drive


13. View across dam toward bund wall


14. View toward the existing agricultural area


15. View into the Remnant Forest


16. Black Creek


17. View across existing playing fields


18. Existing access across Black Creek toward Playing Fields

2.3 Aboriginal Heritage & Cultural Context

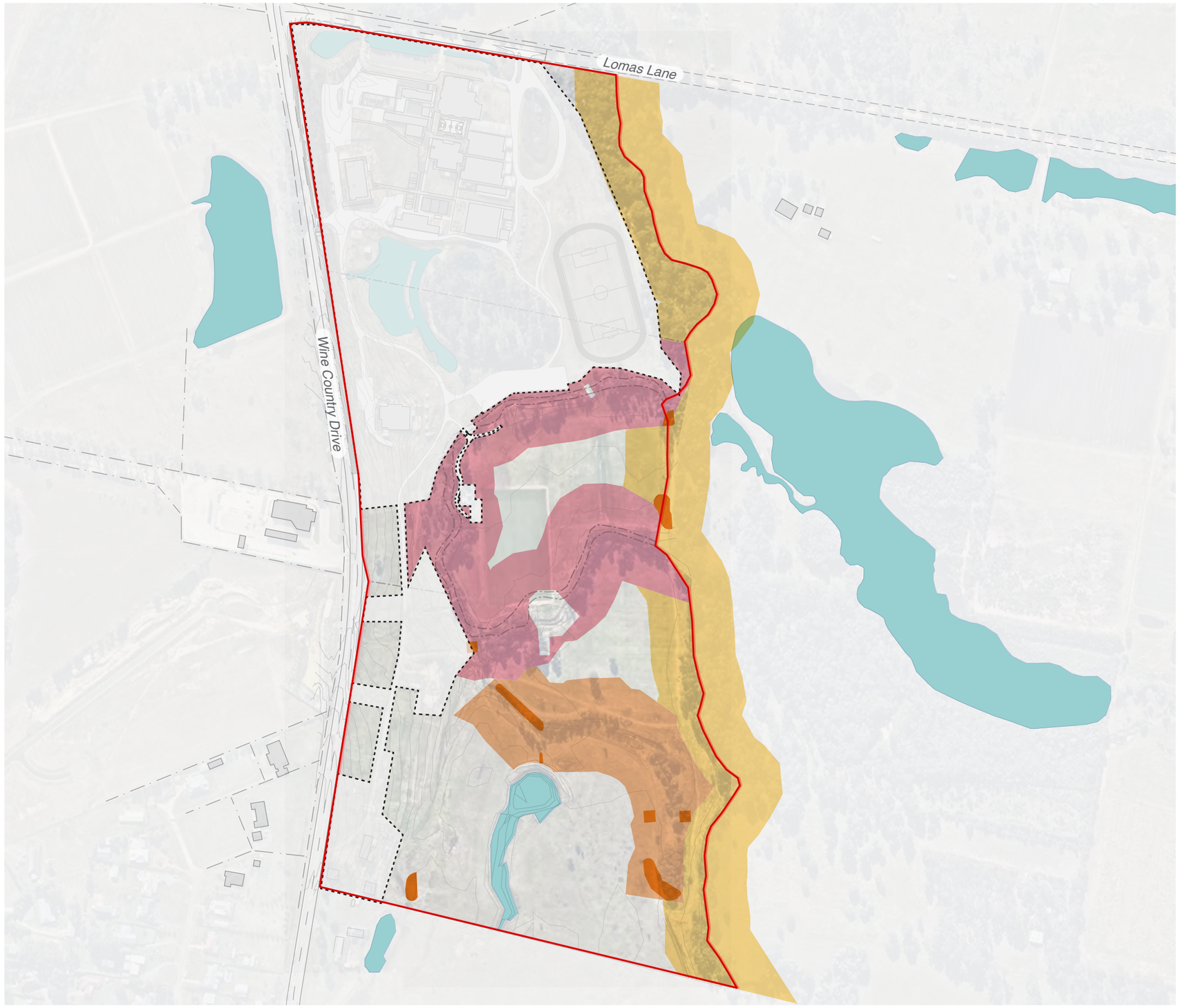
McCardle Cultural Heritage completed an Aboriginal Cultural Heritage Assessment (ACHA) of the site in November 2021. The ACHA report identifies the location of both isolated artefacts and artefact scatters within the site, all within 50 metres of a water source. The artefact scatters were assessed as of moderate scientific significance while the isolated finds were assessed as being of low scientific significance. It is noted that additional isolated finds and artefacts scatters may be located in other parts of the site.

Across the remainder of the site, a large portion has been subjected to signficant clearing and disturbance, meaning that no original landform remains in these areas.

The ACHA finds that none of the AHIMS sites or PADs will be impacted by the proposed development and as such, provides the following recommendations on page 3 of the report:

1. The persons responsible for the management of onsite works will ensure that all staff, contractors and others involved in construction and maintenance related activities are made aware of the statutory legislation protecting sites and places of significance. Of particular importance is the National Parks and Wildlife Amendment (Aboriginal Objects and Aboriginal Places) Regulation 2010, under the National Parks and Wildlife Act 1974, and

2. Should any Aboriginal objects be uncovered during works, all work will cease in that location immediately and the Environmental Line contacted.

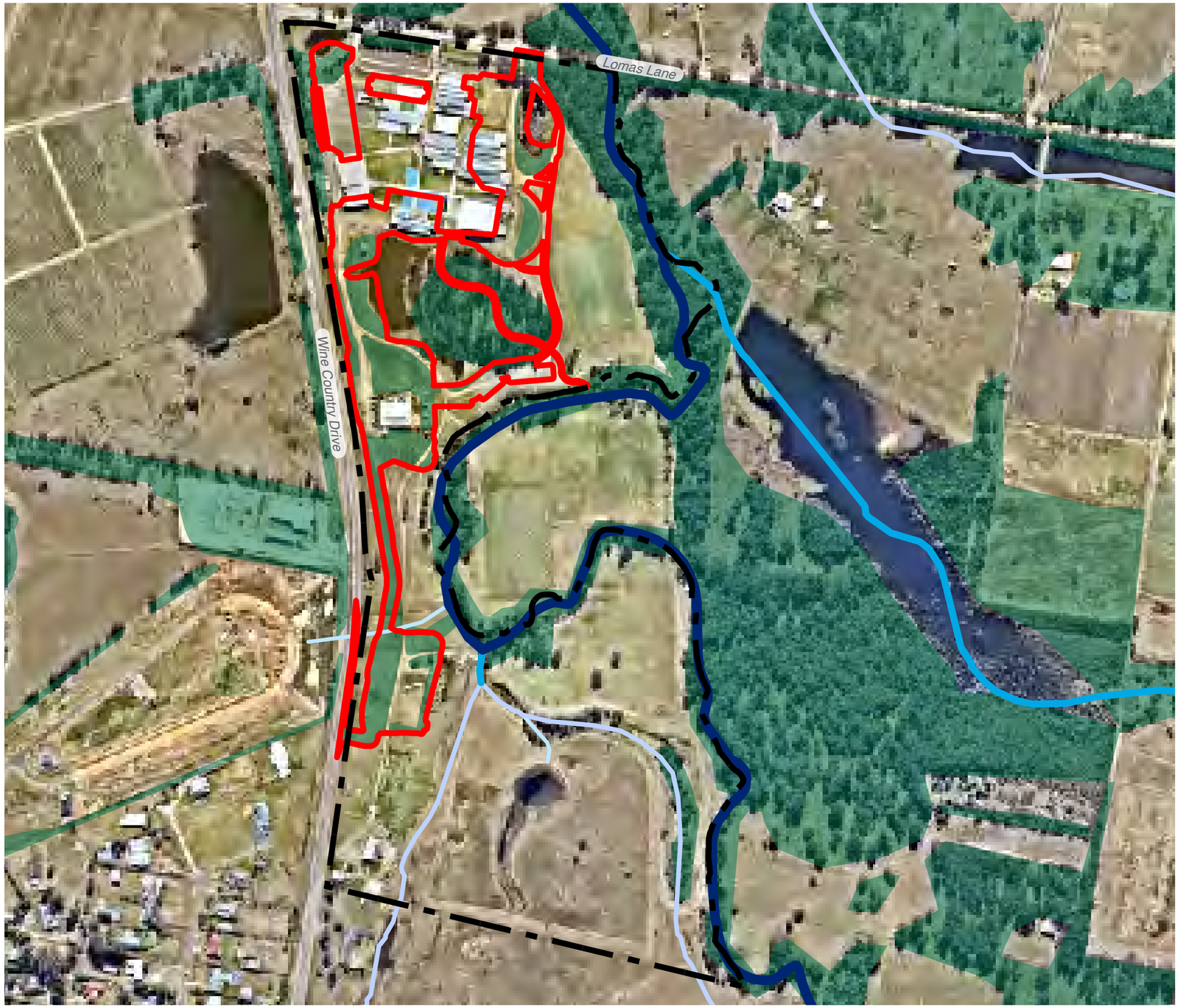


Source: SHAC Architects / McCardle Cultural Heritage

2.4 Vegetation

The vegetation within the site has been mostly cleared, historically for agriculture, with remnant vegetation generally limited to the riparian corridor of Blacks Creek. Some patches of native canopy persist within the lots away from the creek, chiefly in the northeast and an isolated small forest centrally; these comprise of canopy only with a managed understorey. The former and current land uses have resulted in the modification of the structure of native vegetation within the site to a point that vegetation representative of the assigned Plant Community Type (PCT) is defined generally by canopy. The groundcover throughout the Subject Land is generally cultivated grass species with occasional native grass, graminoid and herbaceous species.

A Biodiversity Development Assessment Report was prepared by MJD Environmental in November 2021. The assessment identified one plant community type within the land subject to the application, being PCT 1594: Cabbage Gum-Rough-barked Apple grassy woodland on alluvial floodplains of the lower Hunter. This PCT is partially a subsect of Endangered Ecological Community (EEC) known as River-Flat Eucalypt Forest on Coastal Floodplains.



LEGEND

- Study area
- Subject site
- 1st Order Stream
- 2nd Order Stream
- 3rd Order Stream
- 5th order Stream
- Native vegetation

1:5000 @ A3

0 50 100 150 200 250m

Source: MJD Environmental

moir landscape architecture

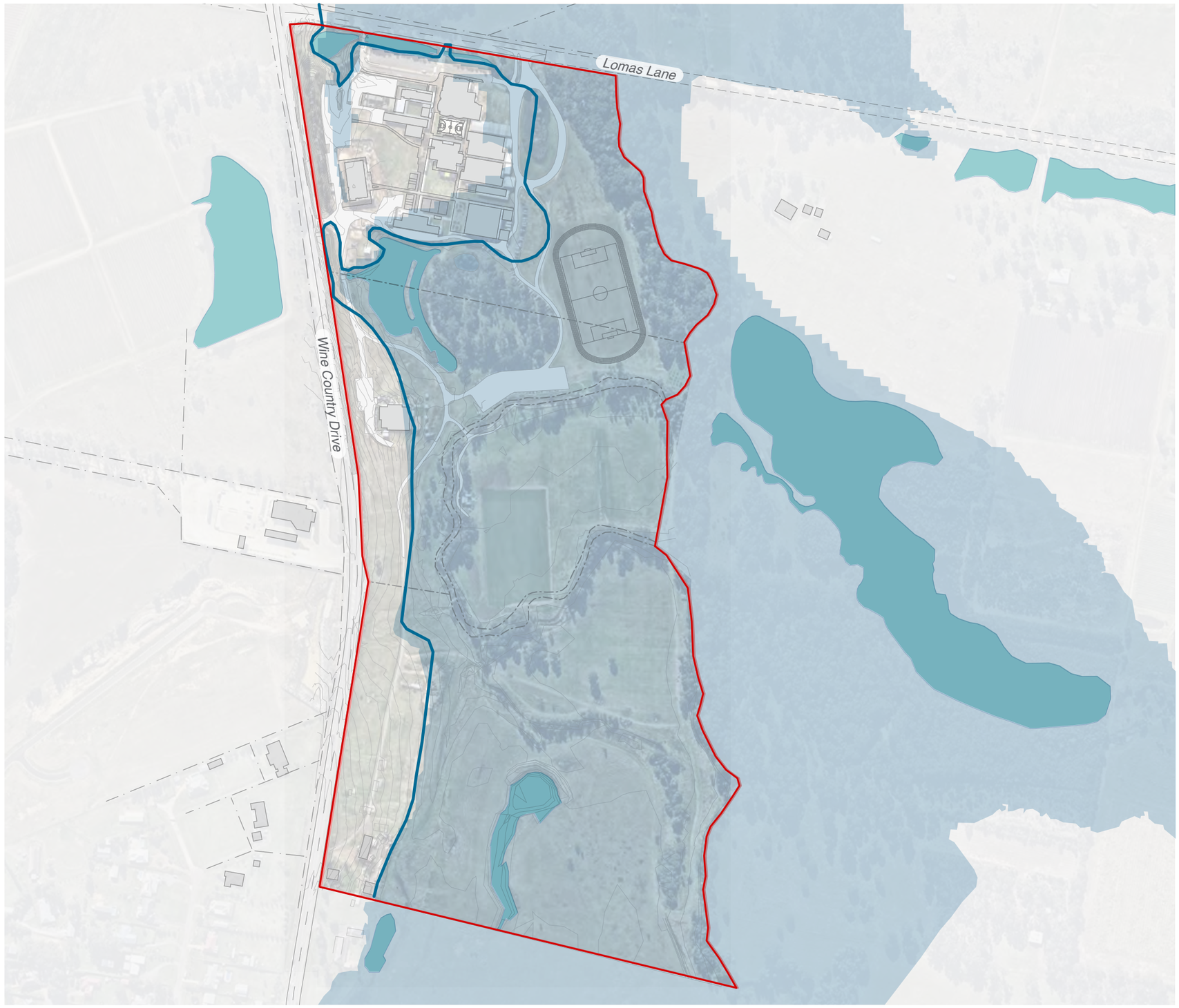
2.5 Flooding

Worley Parsons completed a flood impact assessment for the Cessnock Campus in 2009. Worley Parsons assessed the existing flood characteristics of Black Creek, flood related development constraints, the impact of development on Black Creek and recommending appropriate flood management procedures to mitigate the risk of flooding. The development involves the construction of a 4.75 ha fill pad (220 x 240m) to raise the school site to above the 100 year Average Recurrence Interval flood levels. The report notes that excavated material from the eastern portion of the old trotting track would form this pad, restoring the trotting track to natural surface levels to offset the loss in flood conveyance.

The assessments findings include:

- A significant portion of the site is affected by a 100 year flood, with depths ranging from .5 to 1.5 m, with water velocities of 0.6 to 1.1 m/s.
- Relocating the existing flood conveyance corridor from the west of the old trotting track to the east, by lowering the eastern side of the existing filled area to natural surface levels. This improves the site's flood conveyancing ability and shifts the flood corridor from the west of the site to the east.
- Establishing all habitable floor levels at least .5 m above the predicted 100 year flood level.
- Restricting fence lines and ground level modifications within the flood plain to maintain the flood conveyance of Black Creek.

An updated Flood Impact Assessment was prepared by BMT in 2021 to assess the impact of the alterations and additions proposed in this application.



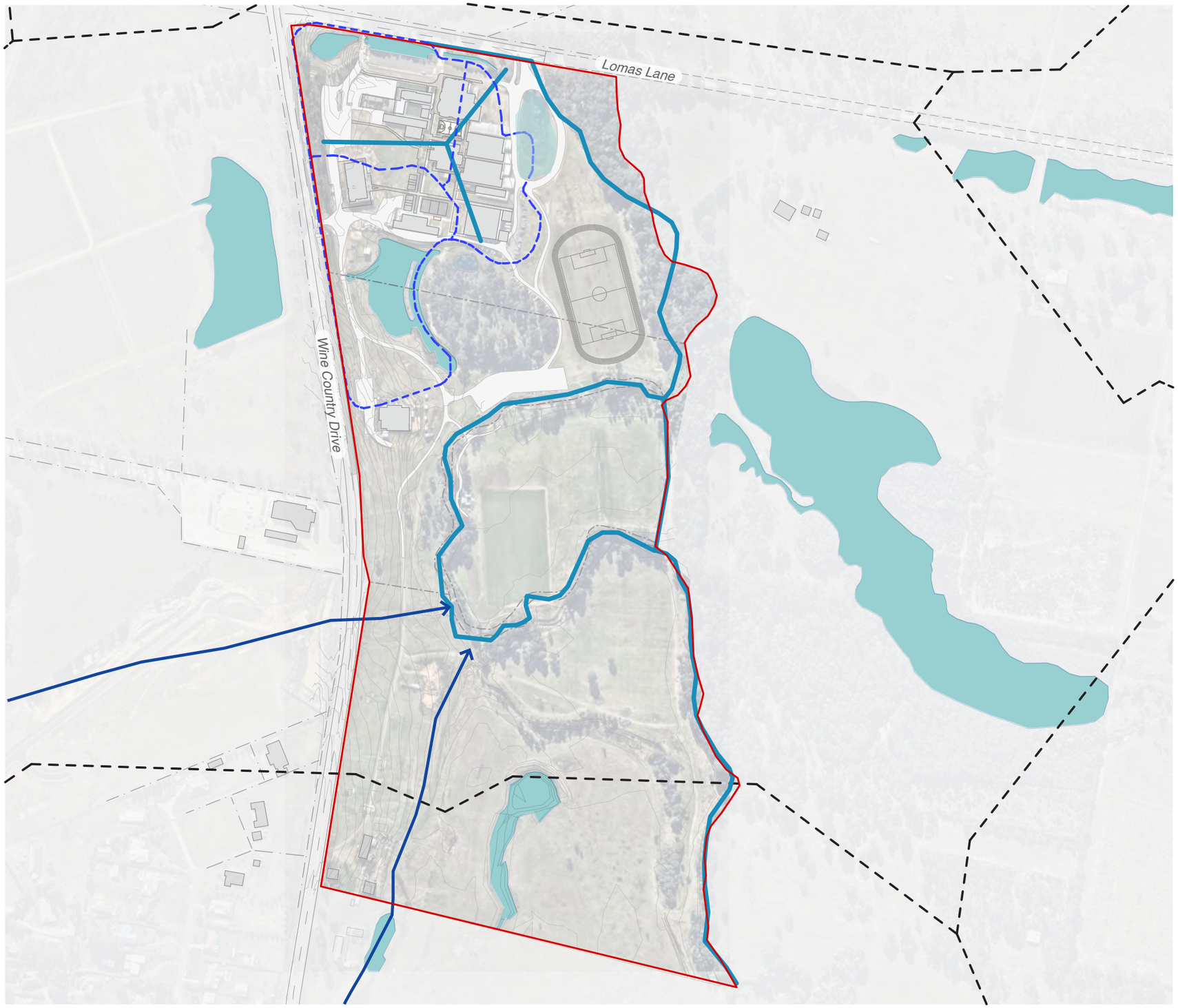
Source: SHAC Architects / Worley Parsons

2.6 Drainage

A Stormwater Management Plan (SWMP) has been prepared by Worley Parsons covering the development of St. Philips proposed 2009 masterplan. The SWMP includes the following key measures:

- Water quality treatment. This will involve the construction of three wetlands to effectively remove sediment, nutrients and other pollutants from stormwater through physical, biological and chemical processes. The total surface area of these wetlands is to be 4,000m2 with a permanent water volume of 2,800m2.
- Rainwater harvesting. Involving the establishment of a decentralised system of rainwater tanks across the campus. Captured water is to be utilised for toilet flushing and sewer main flushing.
- Site grading. This includes raising the school site above the 100 year flood level and maintaining grades across the site of at least 1% to facilitate efficient drainage.
- Stormwater conveyance. Stormwater pipe systems are to be utilised across proposed 'filled' areas of the site, with drainage swale systems provided for low lying areas to promote overland flows. Overland flow paths are to be provided to safely convey water flow during a 100 year flood level event.
- Conveyance of dam breach flows. A controlled overland flow path is to be provided to the existing onsite dams to safely convey potential peak flows to the south and east. This system is to divert water flow into the southern Wetland, away from the key school facilities at the north of the site.

An updated water cycle management plan was prepared by Northrop Consulting Engineers in 2021. Amendments are proposed to accommodate the alterations and additions proposed in this application, however the above design intent has been maintained.



LEGEND

- Site boundary
- Water body
- Sub catchment
- Local catchment
- Stormwater flow
- Local catchment drainage path

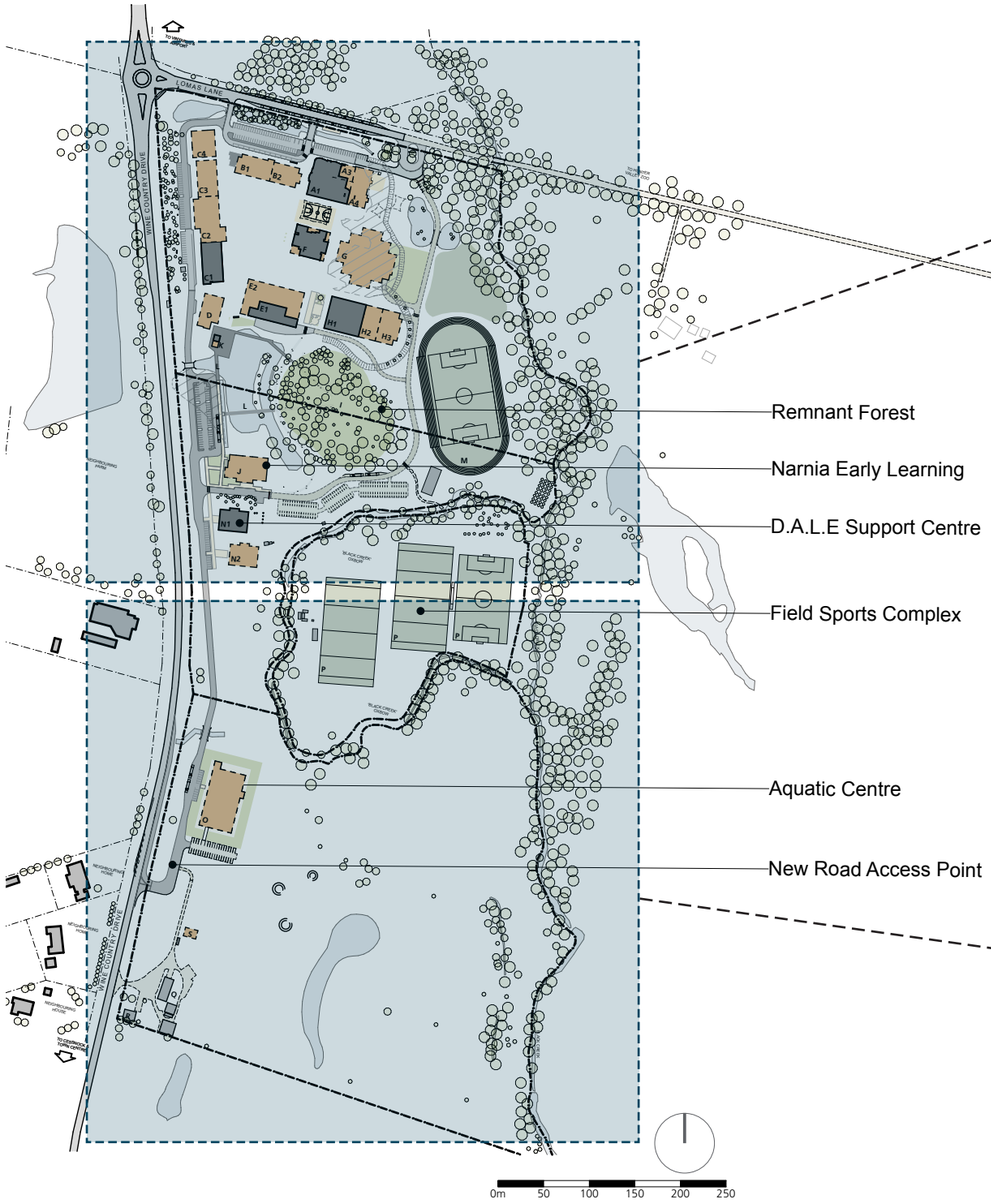
1:5000 @ A3

0 50 100 150 200 250m

Source: SHAC Architects

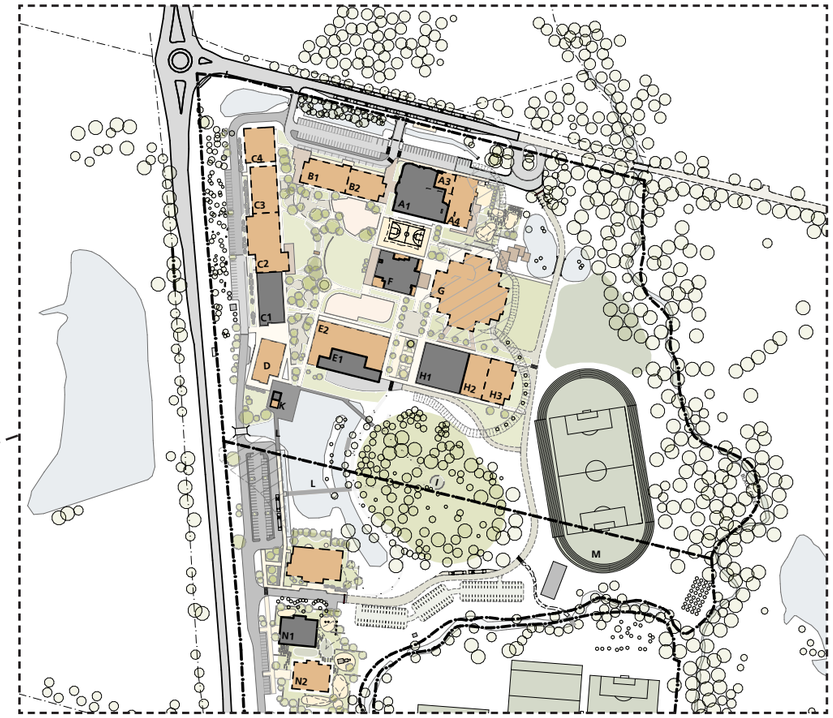
2.7 Proposed site plan

The proposed site plan has been prepared by SHAC Architects.



Overall site

Source: SHAC Architects



North Precinct

South Precinct

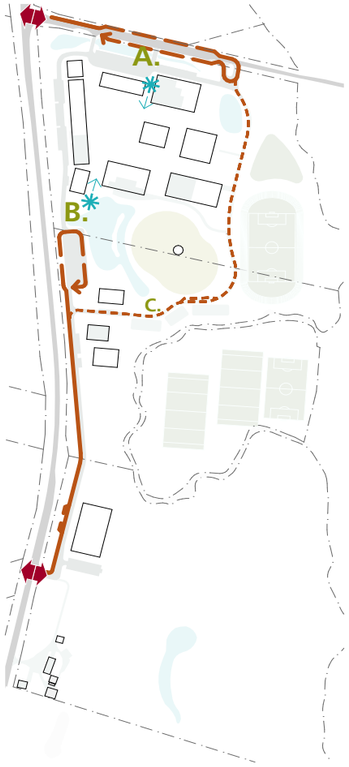
0m 50 100 150 200 250

Source: SHAC Architects

2.8 Proposed
Arrival and Approach Sequence

5.4 ARRIVAL & APPROACH STUDY

5.4.1 ARRIVAL + APPROACH - MACRO DESIGN PRINCIPLES



ARRIVAL BY BUS

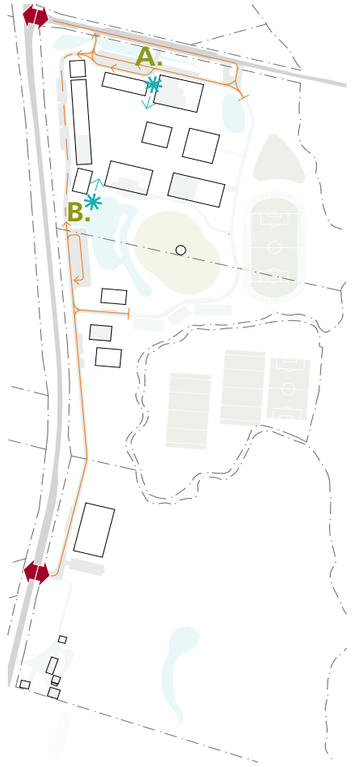
Two main entrances:

- Lomas Lane (existing)
- Wine Country Drive (proposed)

A. Main Bus Entry, turning Bus Bay, bus layback, queuing and marshalling. Adjacent Junior + Middle Schools Administration + Playground.

B. Second Bus Bay - adjacent Main Entry, Senior School Entry, DALE + Narnia.

C. Overflow Bus Bay on service road - adjacent Outdoor Chapel + Sport Precincts.



ARRIVAL BY CAR

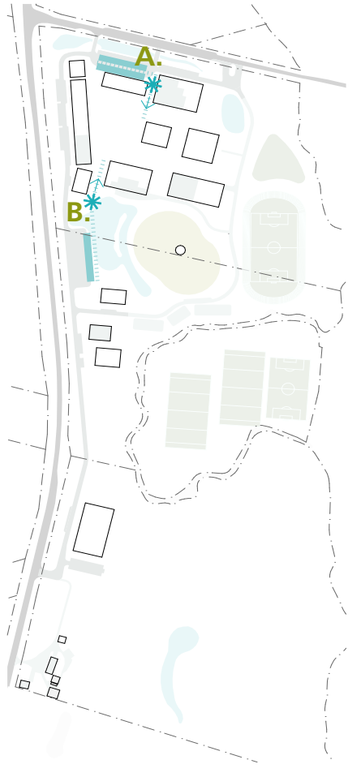
Two main entry approaches:

- Lomas Lane (existing)
- Wine Country Drive (proposed)

A. Lomas Lane: existing Kiss + Drop Zone for the whole of school becomes for Junior School.

B. New Wine Country Drive Entry/Approach for main deliveries + Senior School Activities

Traffic queuing lengths occur on site rather than on Lomas Lane (refer to traffic engineer report).



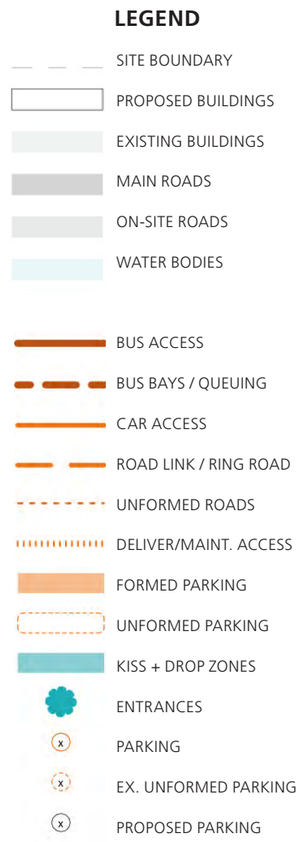
KISS + DROP ZONES

SPCC has a split campus system.

A. Junior + Middle School drop off

B. Main Entry + Senior School drop

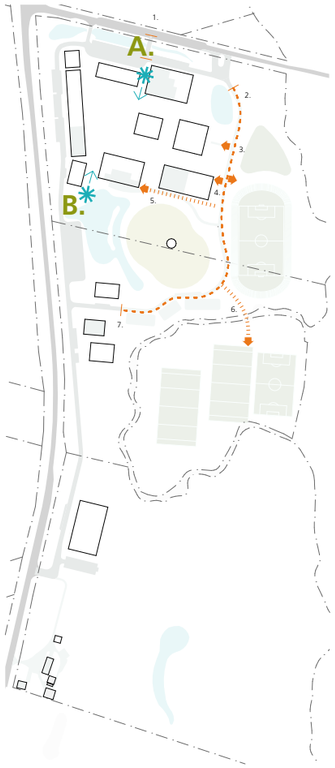
The two can operate independently or in sync via ring road connector.W



Source: SHAC Architects

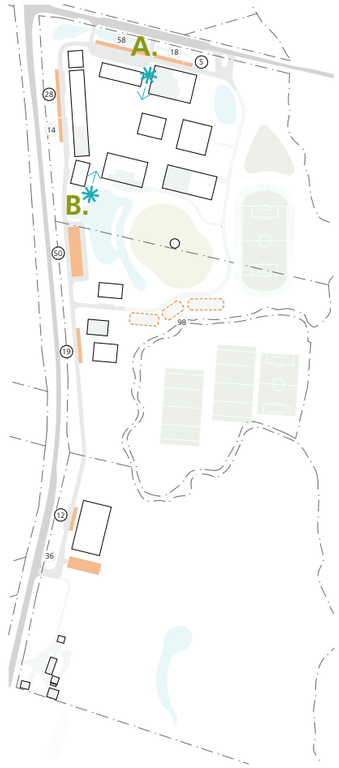
moir landscape architecture

2.8 Proposed
Arrival and Approach Sequence



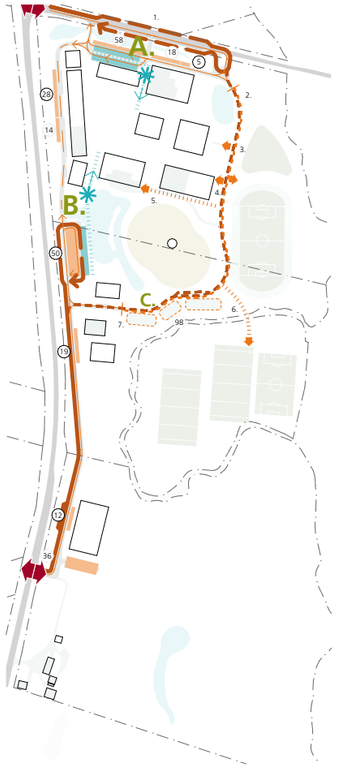
SECONDARY ROADS SYSTEM

1. Bridge link at Entry A utilised only after peak traffic time loads are over
2. Locked boom gate/restricted access
3. Service to rear of Performing Arts Centre
4. Service to rear of Sport
5. 5. Service to rear of Trade Training Centre
6. Maintenance access to Sports Fields
7. Locked boom gates/restricted access
8. Locked boom gates/restricted access for maintenance



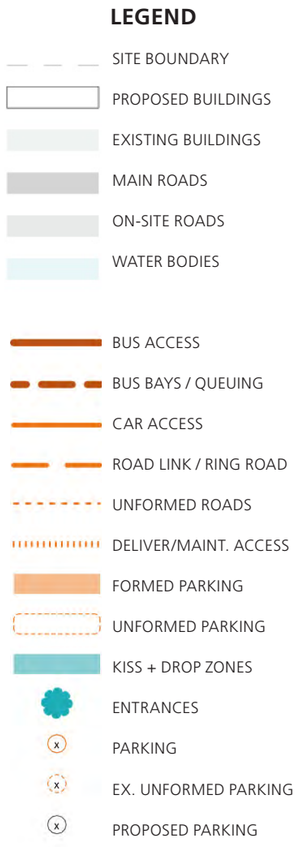
ON-SITE PARKING DISTRIBUTION

- Evenly distributed around campus
- Services split site accordingly to Junior/Middle/ Senior Schools
- Localised parking at outer functional areas
- Overflow parking for sports events or extra curricula school events is controlled via boom gates



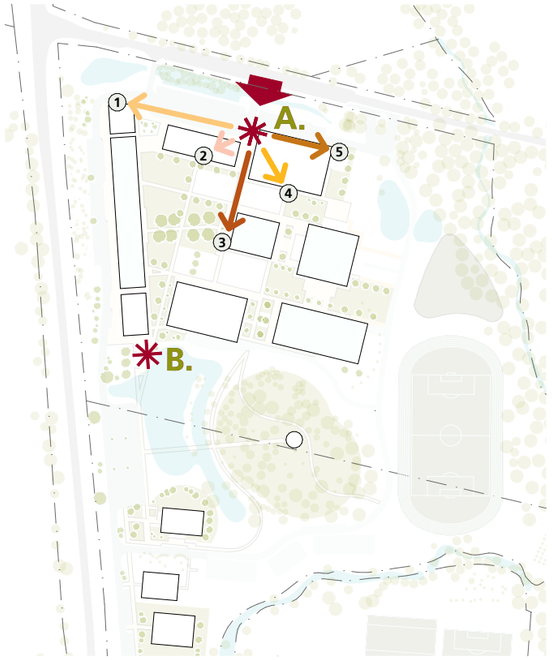
TOTAL MANAGED SOLUTION

- Two main control points
- Clear wayfinding to 3 school provinces
- Restricted controlled access to Service + Sports Zones



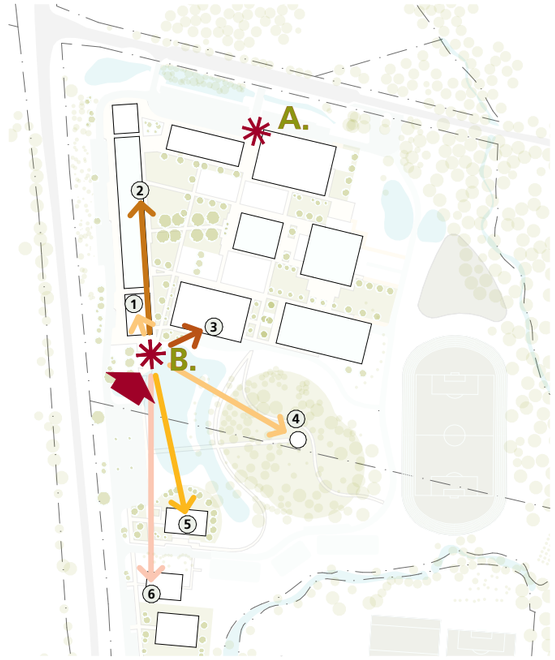
Source: SHAC Architects

2.8 Proposed
Arrival and Approach Sequence



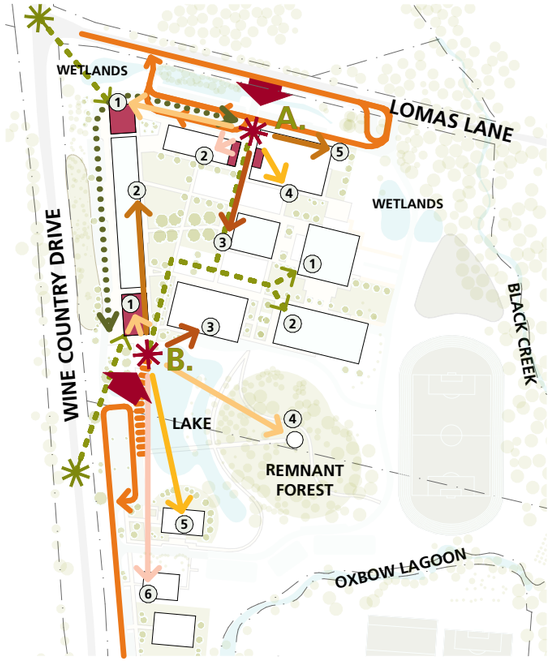
WAY FINDING: ENTRY A

1. Library + Community Gathering Places
2. Middle School - Administration
3. Playgrounds for Junior + Middle Schools
4. Junior School - Administration
5. Prep School - Entry + Administration



WAY FINDING: ENTRY B

1. Main Administration
2. Senior School Administration
3. VET Exhibition Space + TAS
4. Outdoor Gathering Space + Remnant Forest + Oxbow Lagoon
5. Narnia
6. DALE

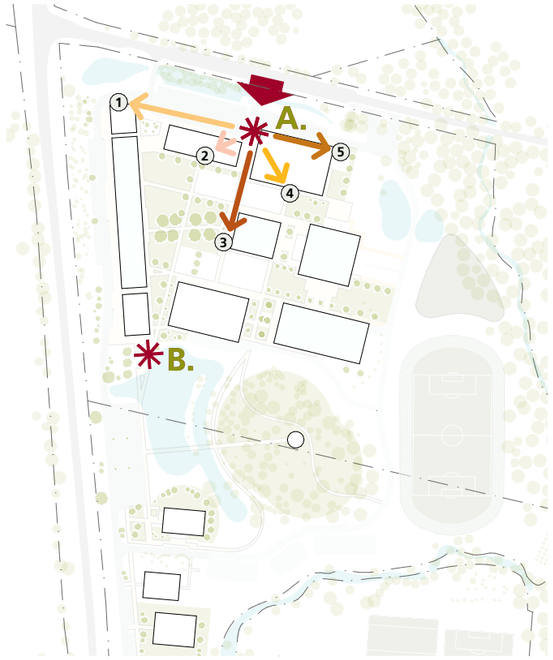


ARRIVAL, ENTRY HIERARCHY

- Entry A + B can operate independently or in-sync
- All elements of the Main Campus are controlled by 2 clear entry points
- A generous public forecourt/cafe/outdoor plaza is sited at Entry B

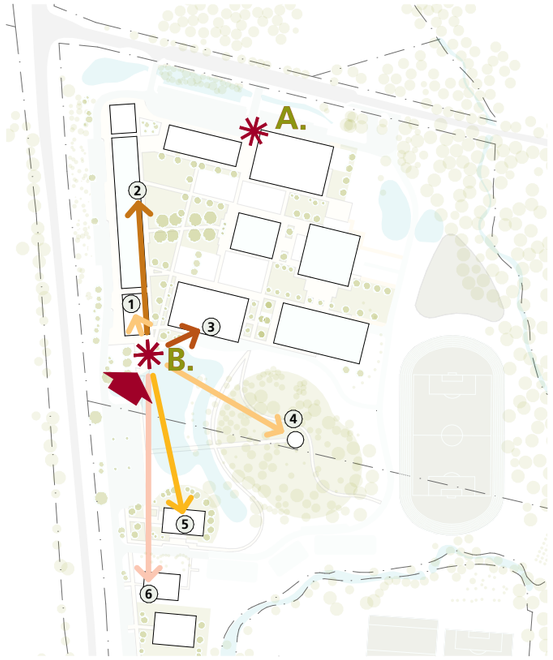
Source: SHAC Architects

2.8 Proposed
Arrival and Approach Sequence



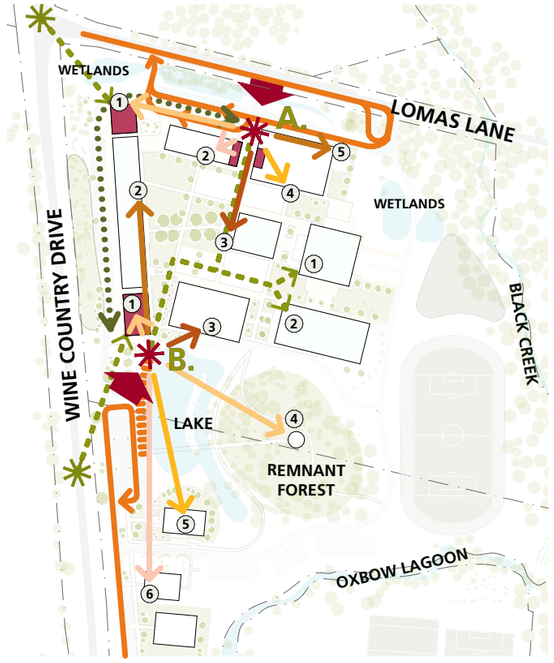
WAY FINDING: ENTRY A

1. Library + Community Gathering Places
2. Middle School - Administration
3. Playgrounds for Junior + Middle Schools
4. Junior School - Administration
5. Prep School - Entry + Administration



WAY FINDING: ENTRY B

1. Main Administration
2. Senior School Administration
3. VET Exhibition Space + TAS
4. Outdoor Gathering Space + Remnant Forest + Oxbow Lagoon
5. Narnia
6. DALE



ARRIVAL, ENTRY HIERARCHY

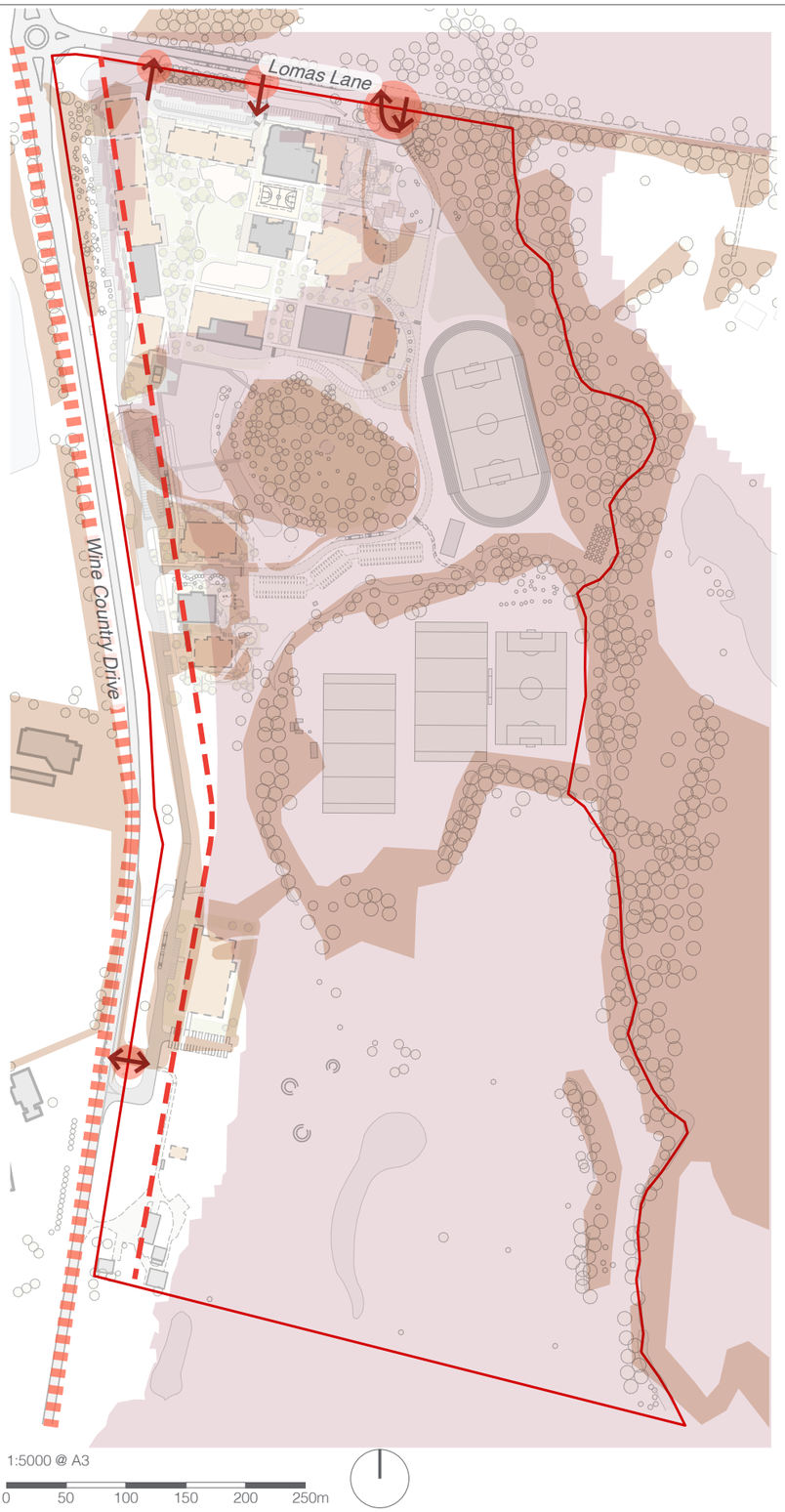
- Entry A + B can operate independently or in-sync
- All elements of the Main Campus are controlled by 2 clear entry points
- A generous public forecourt/cafe/outdoor plaza is sited at Entry B

Source: SHAC Architects

2.9 Constraints

Key Constraints include:

- Major road with limited site access
- Traffic Noise from Wine Country Drive
- Good quality existing native vegetation
- Flood prone areas
- Existing overland flow drainage areas



Legend

- Existing native vegetation
- Council mapping: 1 in 100 Year Flood Extent (1%AEP)
- Site access
- Major road
- 50m setback

moir landscape architecture

2.10 Opportunities

Key Opportunities include:

- Enhance existing landscape features
- Integrate outdoor learning opportunities
- Utilise existing landscape corridors to improve overall site management such as WSUD principles.
- Find opportunities within existing building layout to define network of open space.
- Utilise larger undeveloped area for significant open space.
- Address key view corridors to surrounding landscape, both within and surrounding the site.
- Anchor primary pedestrian paths by key destinations and entrance points.
- Use the existing parts of the landscape that contain indigenous cultural links or relevance to develop a program or trail that assists in explaining the concept of 'Design On Country'.

Legend

- Water body
- Existing vegetation
- 'U-shaped' open space corridor
- Opportunity for significant open space
- Key view corridors
- Key pedestrian circulation
- Key entry

3.1 Landscape Design Principles

The following landscape design principles have been adopted from the Education SEPP Design Quality Principles outlined in the *Design Guide For Schools*:

1. Context, built form and landscape

- Integrate and respond to the sites natural setting by maintaining and enhancing key views to the surrounding forest, water bodies, creeklines and borrowed views to the rural landscape.

2. Sustainable, efficient and durable

- Bring the unique natural setting into the development by weaving and connecting the forest and creeklines via a series of WSUD principles to enhance the learning opportunities, environmental outcomes and amenity.
- Integrate passive landscape solutions that enhance thermal efficiency and performance.

3. Accessible and inclusive

- Prioritise pedestrian safety and accessibility through the provision of pathways that are logical, inclusive and safe.
- Investigate opportunities to integrate 'designing with country' principles into the landscape.
- Seek opportunities for facilities to be shared with the community outside of school hours.

4. Health and safety

- Ensure planting includes low and high planting with cleared mid story to ensure CEPTED.

5. Amenity

- Provide tailored outdoor spaces that complement classroom learning and encourage nature based learning, play and outdoor study.
- Ensure the provision of ample, appropriate, flexible and shaded outdoor spaces that meet the needs of the differing age groups and abilities of students.

6. Whole of life, flexible and adaptive

- Provide a series of scalable and flexible outdoor spaces that can adapt to the changing learning, technological advances, age groups and demographics of the students.
- Incorporate resiliency through the consideration of plant and tree selections to ensure drought tolerance, provision of ample shading to assist in lowering the ambient temperature as well as WSUD principles.
- Ensure material selections consider longevity, on-going maintenance requirements and the embodied energy of materials with an emphasis on local and sustainable products.

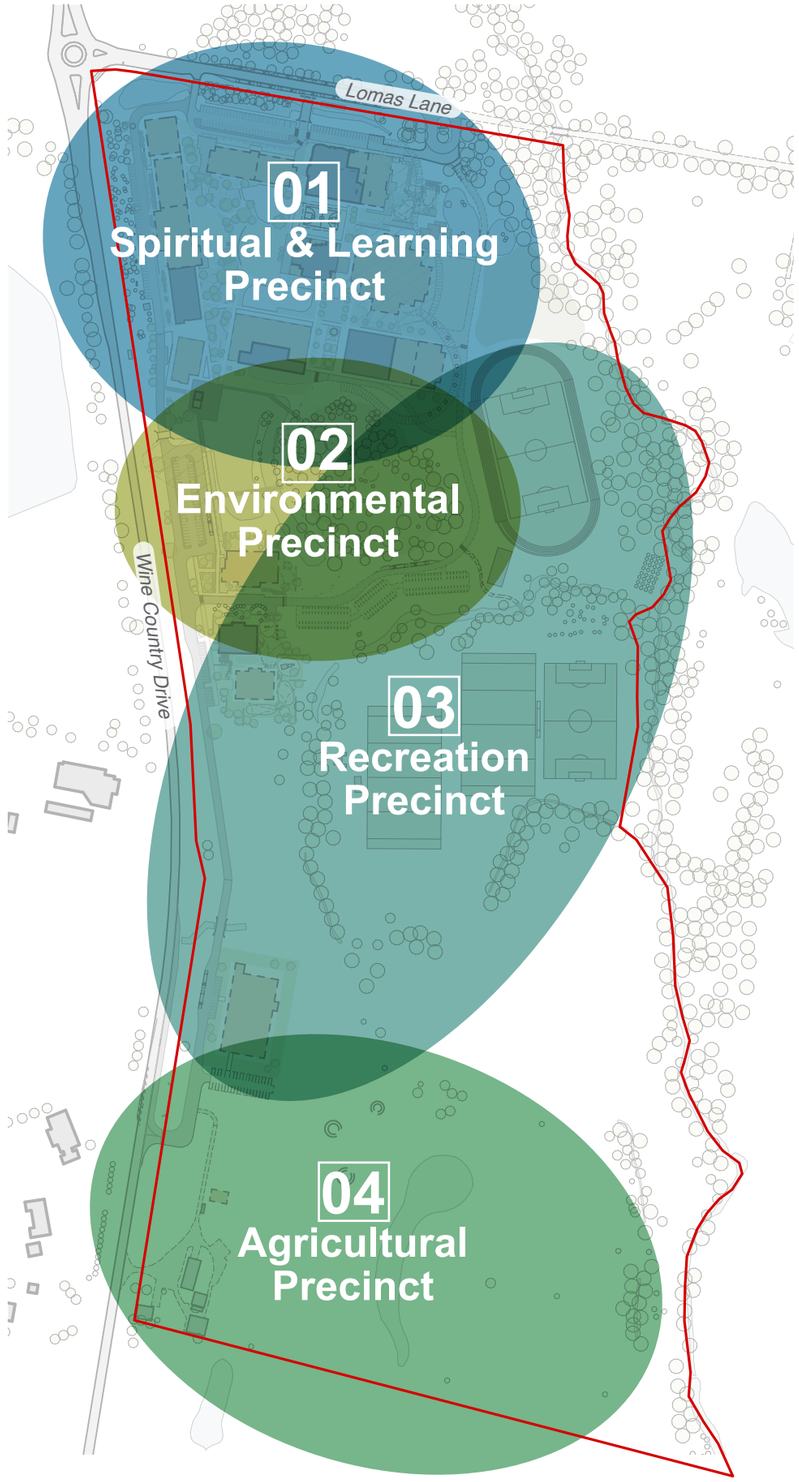
7. Aesthetics

- Integrate and complement the building through the provision of landscape interventions that respond to the spatial environment.
- Provide references and cues in the arrangement and material selection that link the new school to its context.

4.1 Proposed Precinct Plan

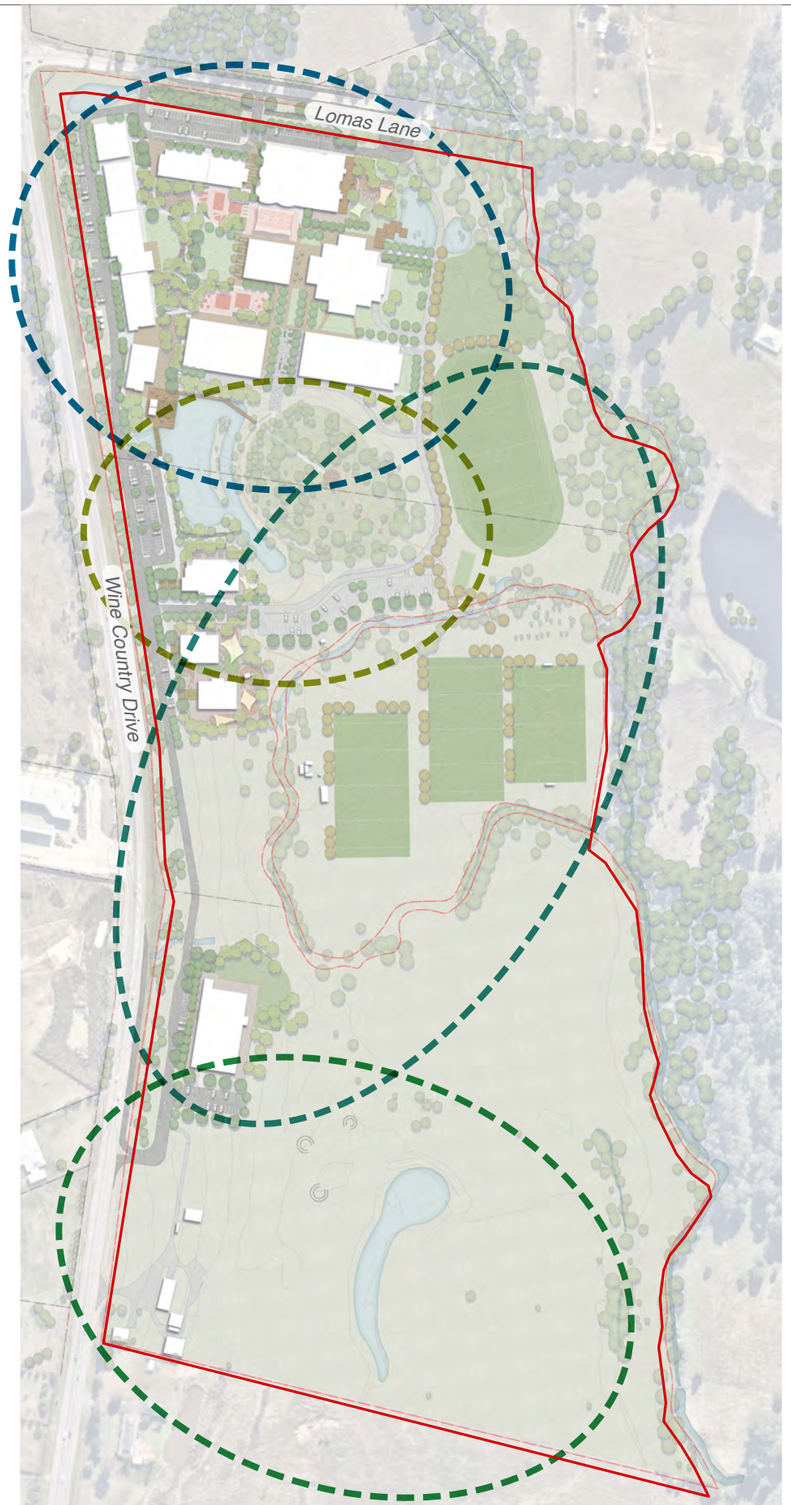
The proposed precinct plan has been adapted from SHAC's proposal, and identifies four key precincts defined by different types of activity occurring across the site.

The landscape strategy will identify the unique character of each precinct, while ensuring an overall design coherence across the site.



4.2 Proposed Overall Concept Plan

The adjacent concept plan shows the overall masterplan for the site. This masterplan caters to the requirements, functions and amenity of each of the precinct areas and is underpinned by the principles outlined in the previous section of the document.



1:5000 @ A3

0 50 100 150 200 250m

4.3 Indigenous Cultural Heritage

The Traditional Custodians of the land that lies within and surrounding Cessnock Local Government Area (LGA) are the Wonnarua Nation, and also includes Darkinjung and Awabakal lands. Wonnarua means 'land of hills and plains', describing the area simply and beautifully. Today the area is within the Mindaribba LALC boundaries. Many localities in the Cessnock LGA have Aboriginal place names & histories that are deeply significant to Aboriginal peoples and to our greater understanding of history and Aboriginal culture.
The banks of Black Creek were historically known to be inhabited by the Aboriginal people. An archaeological study was conducted by AECOM in October 2009. With the assistance of the local Aboriginal community, this report identified 10 Aboriginal sites of varying importance.
An updated Aboriginal Cultural Heritage Assessment (ACHA) was undertaken in August 2021 by McCardle Cultural Heritage. The report identified Potential Archaeological Deposit (PAD) sites within 50m on either side of the Creek, Oxbow lagoon and 2nd order stream that is to be protected. No construction is proposed in these areas.

The Designing with Country process has commenced with the School's Principal and Aboriginal Liaison Officer, with members of the local community in the early stages of engagement. The school has had previous consultation with Sonia Sharpe of the local Aboriginal Education Consultative Group (AECG) and it is intended that this will continue as part of this process.

Within the landscape scheme for the site, the approach is to reflect and develop the three identified elements of 'Designing with County' being nature, people and design. The landscape architecture responds to the local environment and setting and seeks to draw the surrounding natural landscape deep into the heart of the school. The 'blue green thread' allows the expression of nature, the natural wetting and drying cycles, seasonal change and the passage of light and shade to be experienced. The use of passive shading and biophillic elements in the design reinforces the important link between people and nature.

Identified in the 'Designing with Country' discussion paper (GANSW), cognitive mapping was done by 'walking country' and learning about important sites and traditions by 'being' in the place. Cultural lore, traditions and wayfinding were (and still are) tightly bound to the notions of place and country. In this tradition it is not proposed to provide a specific spatial design to reference Wonnarua culture. Instead – the use of storytelling spaces and a potential 'Connection with County' walking route is suggested. The proposed trail is a suggested route that will take in a series of the known and identified sites of aboriginal occupation and significance. The walking and story-telling route, the programs and discussions that occur can be modified for the audience, for mobility and for age-appropriateness. The intent (pending approval from SPCC and the Traditional Owners) would be to have a knowledge holder provide these walks and storytelling sessions to illustrate the significance of the landscape. The interpretation and education should come from a Traditional Owner to retain its authenticity and culturally appropriate framing.

The beginnings can be located at the multi-purpose outdoor celebration and gathering space - located in the existing remnant Cabbage Gum forest. The trail will link important parts of the landscape and allow for interpretation, story telling and the transfer to knowledge. At each key location, the should be an informal space to sit and listen to stories and 'lore'. Informal seating may be a collection of logs, boulders and other natural elements.

An ongoing program of interaction and engagement with relevant Aboriginal Stakeholders will continue to inform the development of St Philips Cessnock and its landscape.
.

1:5000 @ A3

0 50 100 150 200 250m

4.4 Spiritual & Learning Precinct

The Spiritual & Learning Precinct aims to provide an inclusive, stimulating and adaptive learning environment for students, underpinned by a focus on spirituality.

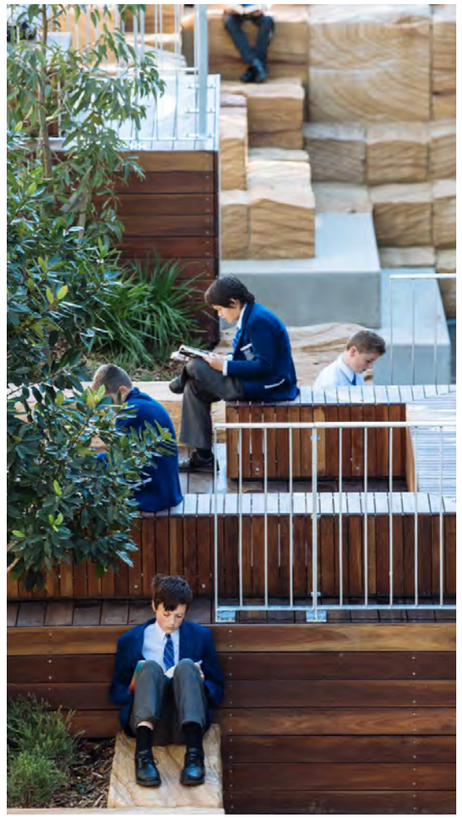
The precinct will provide an opportunity for a unique outdoor learning experience specifically tailored to each age groups and will complement the indoor classroom lessons.

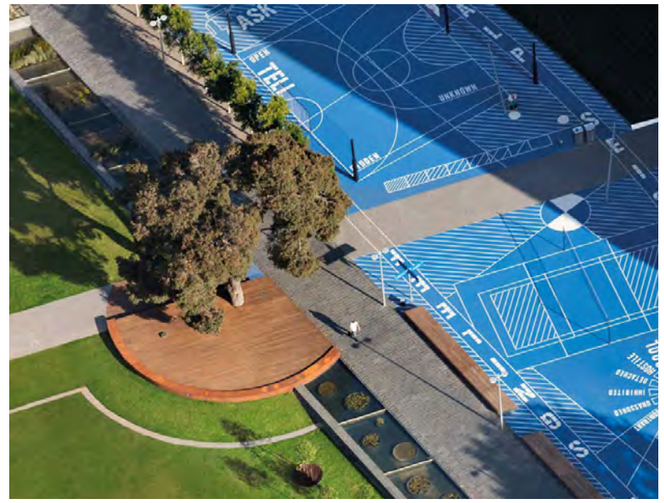
The proposed design will include scalable spaces that cater to both small group gathering as well as moments for individual reflection and contemplation.

The design will respond to the passive and active functions of the precinct through the provision of recreation, seating and learning opportunities that integrate the surrounding natural environment.

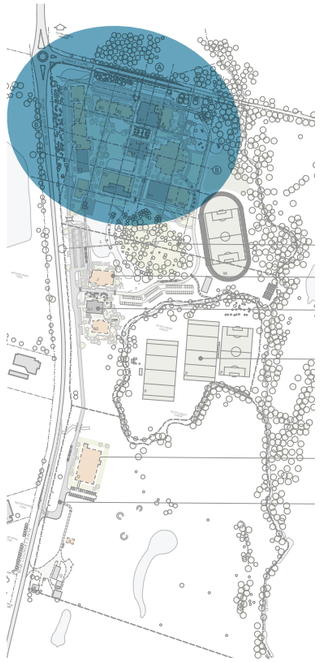
Access and movement will be underpinned by the desire to maintain and enhance key site lines and to ensure CPTED and user safety principles whilst ensuring inclusive access.

Planting arrangement and selection will be a major component within this space and will be reflective of the areas unique vegetation characteristics balanced with the provision of ample shading and sensory qualities.



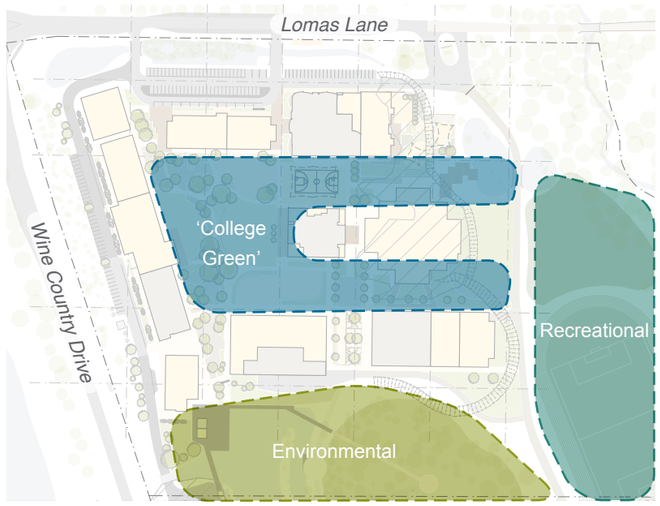


4.5 Spiritual & Learning Precinct - Key Design Moves



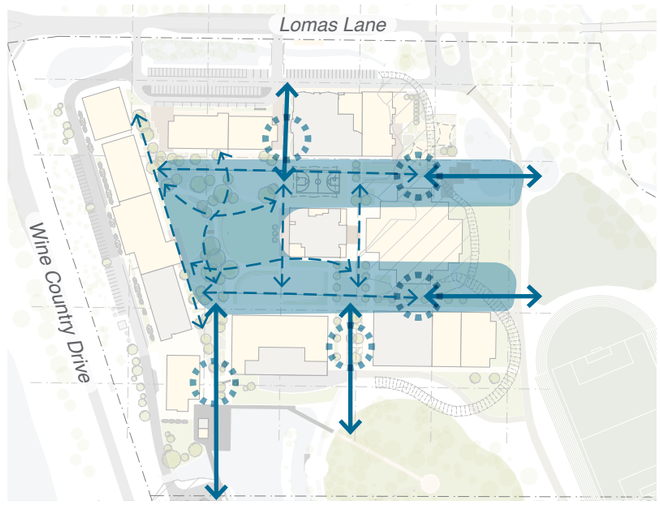
Key plan

1. Zones



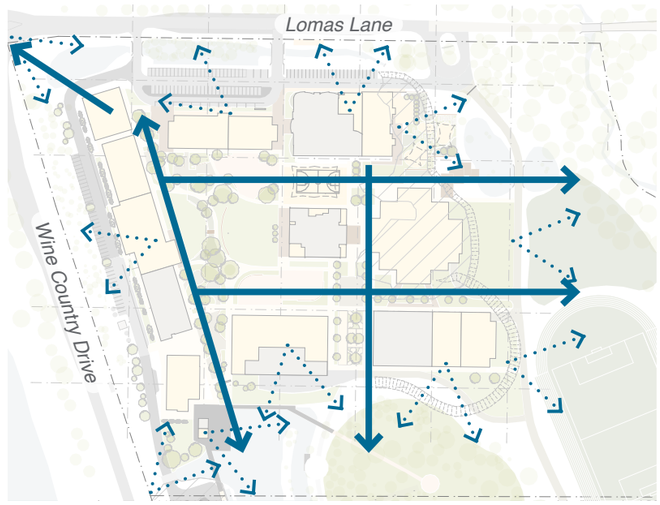
Respond to the requirements of the distinct zones including the 'Founders Forum', recreational and environmental zones.

2. Movement



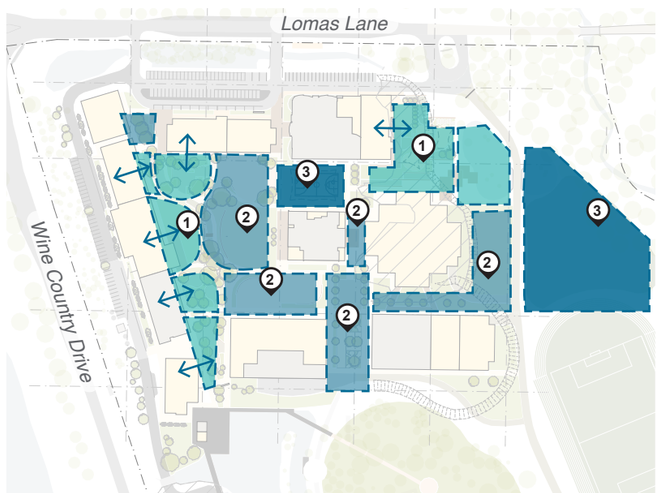
Provide a hierarchy of logical pedestrian thoroughfares. Direct paths between key destinations will be connected by a network of informal pathways between buildings and across open space.

3. Views



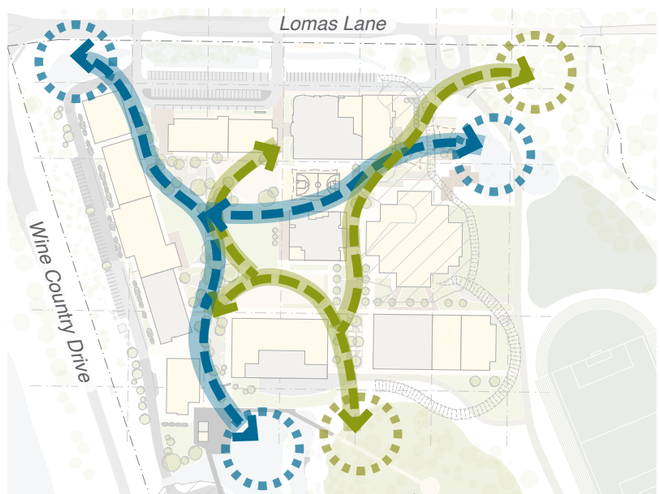
Maintain and enhance views toward the natural landscape and consider views into development.

4. Open Space typology



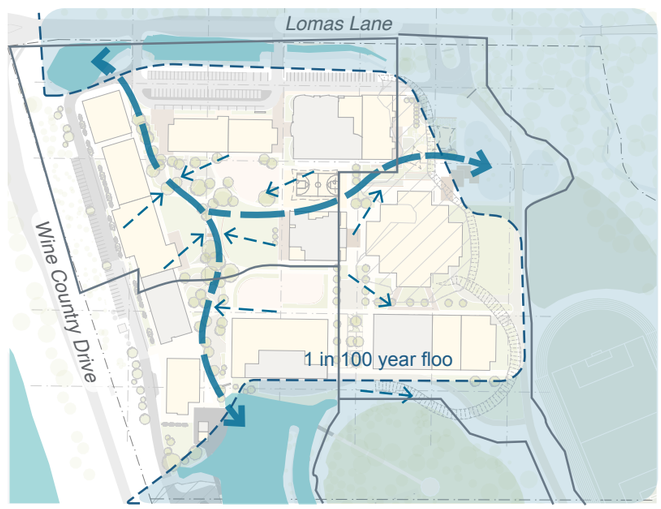
Integrate a series of tailored outdoor learning spaces that respond to the needs of students abilities and age groups. These include outdoor learning areas particularly those connected to buildings (1), flexible communal areas (2) and active spaces (3).

5. Landscape



Weave the surrounding natural landscape into the site through a series of landscape (endemic vegetation selection) and WSUD principles and elements.

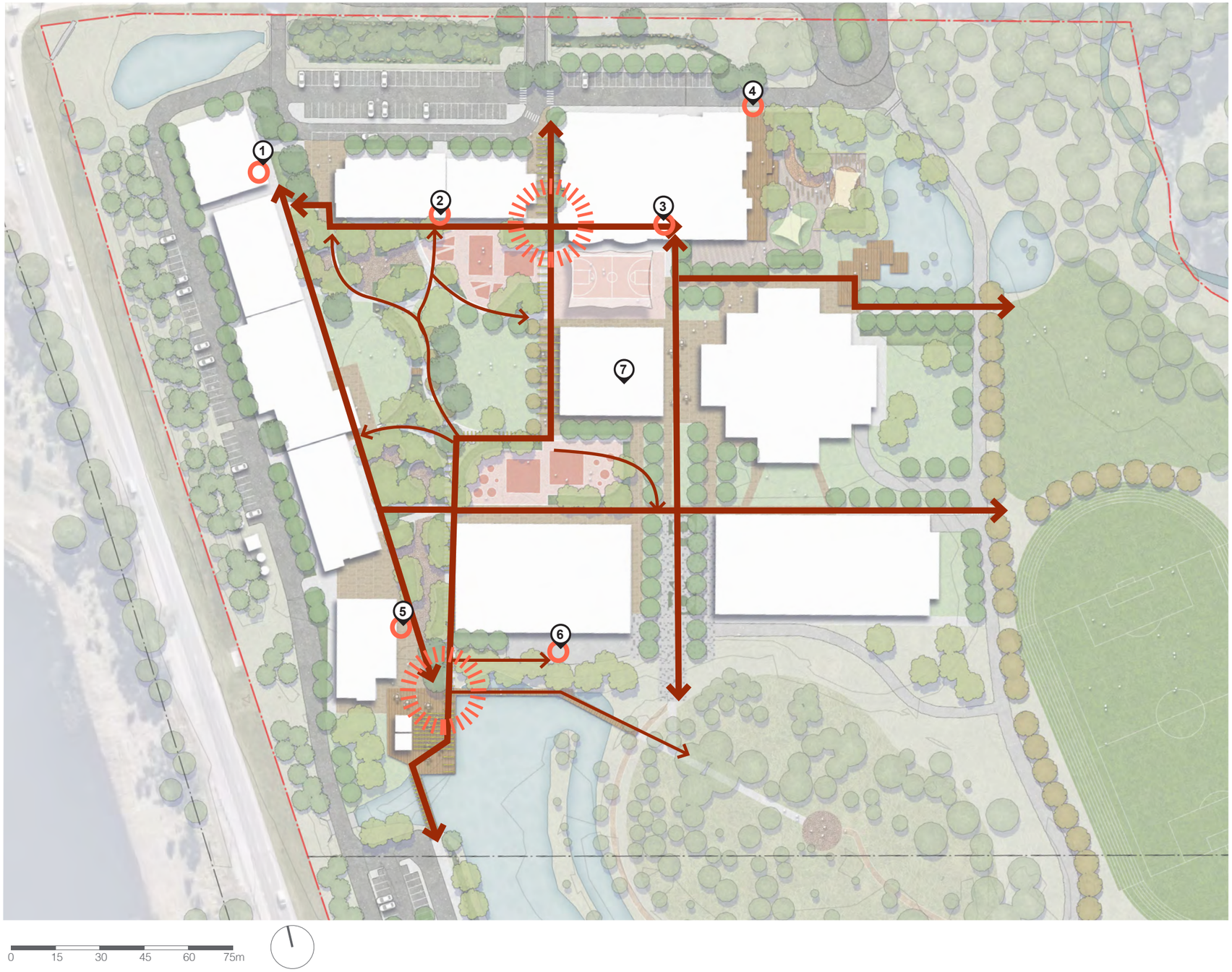
6. Hydrology / WSUD



Investigate opportunities to enhance the hydrology of the site and improve drainage and levels to increase usability, access and safety.

4.6 Spiritual & Learning Precinct - Pedestrian Circulation

Pedestrian access and circulation is underpinned by the desire to create a legible pedestrian network that responds to the key entries and maintains key site lines.



LEGEND

- Main Entry
- Key Entries
- Major Circulation
- Minor Circulation
- (1) Library Entry
- (2) Middle School Admin
- (3) Junior School Admin
- (4) Prep School Admin
- (5) Main Admin and Welcome Centre
- (6) VET Exhibition Space
- (7) Canteen

4.7 Spiritual & Learning Precinct - Concept Plan

The adjacent Concept demonstrates our initial ideas for the Spiritual & Learning Precinct. The precinct includes a combination of outdoor learning spaces tailored to each age group and can be used to complement the indoor classroom lessons.

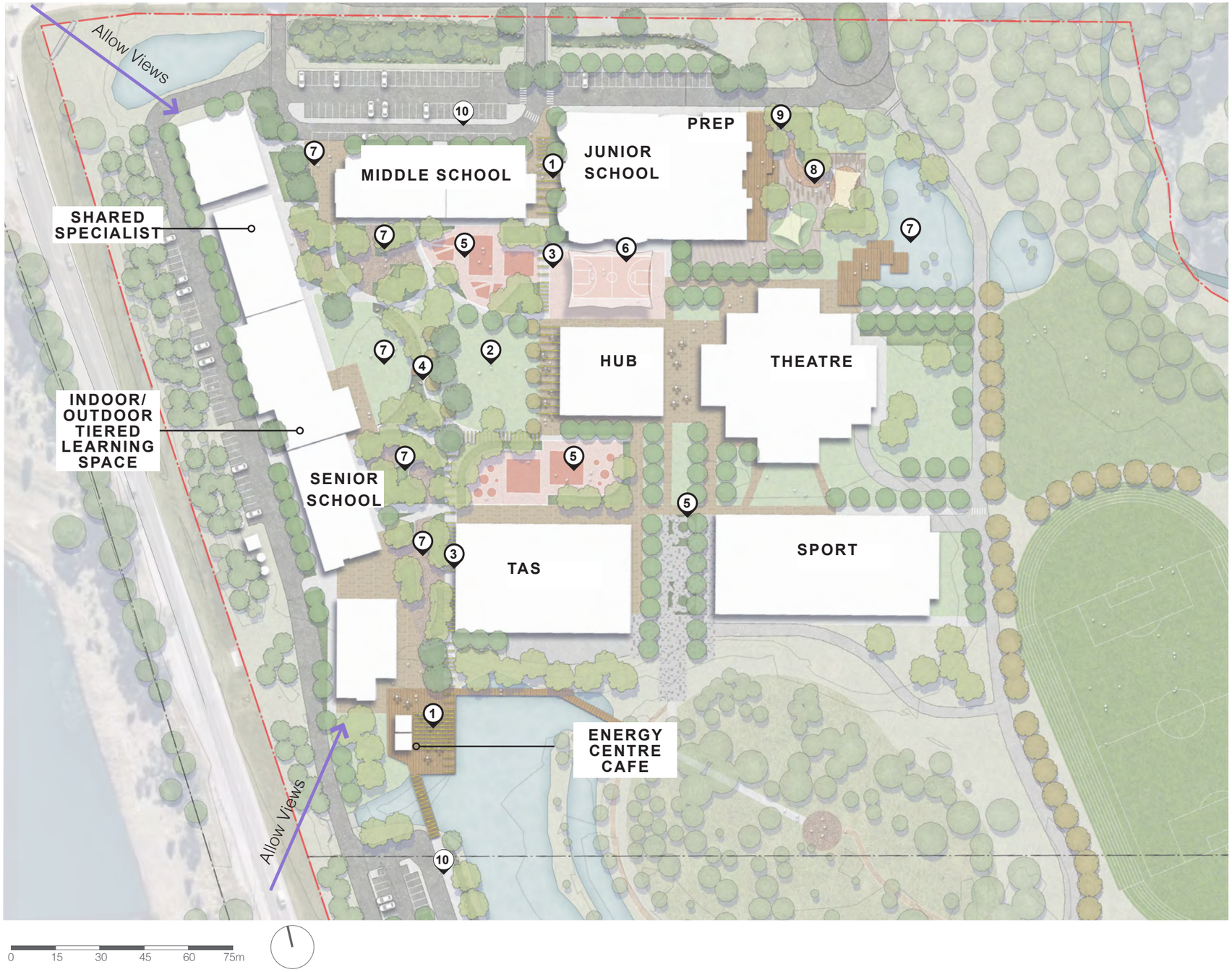
The design will respond to the passive and active functions of the precinct through the provision of recreation, seating and learning opportunities that integrate the surrounding natural environment.

A key feature of the concept is the idea of bringing the natural landscape and functions into the central learning spaces. A blue green thread weaves its way through the centre of the area allowing opportunities for people to engage with the natural systems on site. The palette of the spine will include endemic tree species to the area and a dynamic swale system with footbridge crossings. This element will serve an essential function but will also provide a cooling and aesthetic appeal for the school courtyard area.

The key space typologies are as follows:

LEGEND

1. Entries
2. Central Open Lawn
3. Central Arbor
4. Blue green thread
5. Flexible Open Play/Active Spaces
6. Covered Outdoor Active Playspace
7. Outdoor Learning and Study Space
8. Junior School Play Area
9. Fenced Prep Play Area
10. Drop off Zone

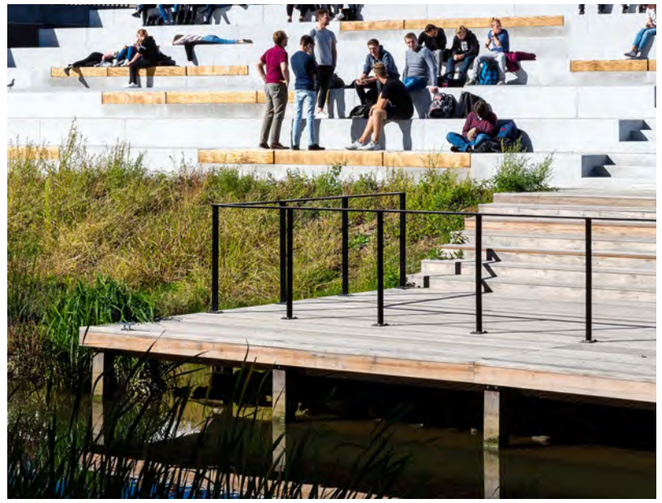


4.8 Spiritual & Learning Precinct - Entries

0 15 30 45 60 75m

LEGEND

1. Distinctive Entry Arbor
2. Cafe and Outdoor Seating Area
3. Boardwalk
4. Viewing Deck and Stair Edge

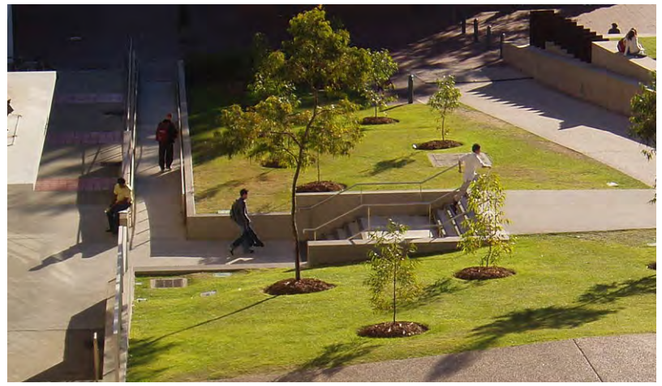


moir landscape architecture

4.9 Spiritual & Learning Precinct - Central Open Lawn

LEGEND

1. Central Open Lawn (potential for overflow viewing area for outdoor projector)
2. Central Feature Arbor
3. Blue green thread
4. Seating Edge
5. Shaded Seating
6. Active Play/Ball Courts



4.10 Spiritual & Learning Precinct - Outdoor Study Learning Spaces

0 15 30 45 60 75m

LEGEND

1. Flexible Open Space
2. Outdoor Learning Space (Middle School)
3. Outdoor Study Space (Senior School)
4. Outdoor Learning Space (Library Forecourt)
5. Blue/Green thread - WSUD Drainage and planting swale
6. Seating edge (potential for overflow viewing area for outdoor projector)

moir landscape architecture

4.11 Spiritual & Learning Precinct - Junior School Play Area

0 15 30 45 60 75m

LEGEND

1. Sensory Play Area
2. Nature Play Area
3. Adventure Play Area
4. Fence & vegetated screen surrounding play area
5. Active Play area for Kinder students
6. Decked area down to Dam area

4.12 Environmental Precinct

The Environmental Precinct leverages off the area's natural assets to provide a welcoming, tranquil and reflective space for students.

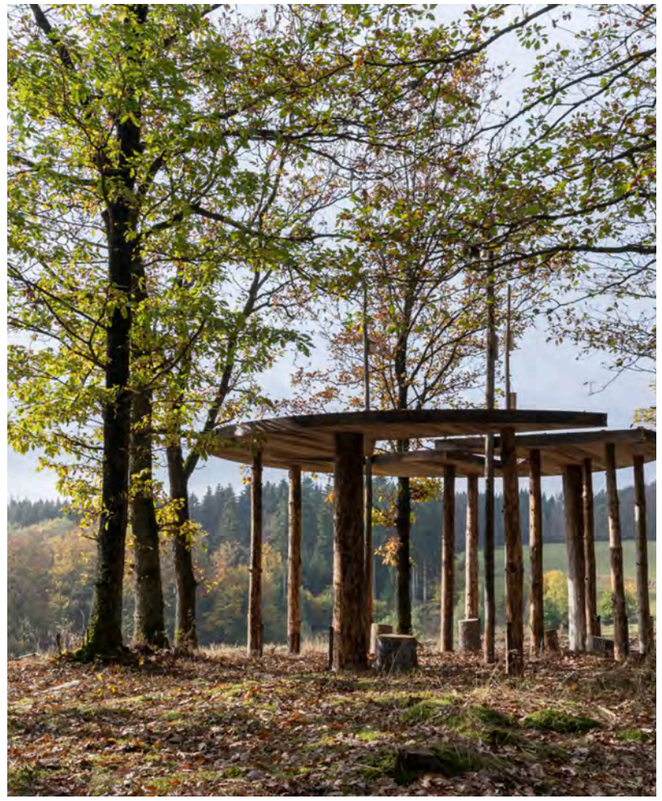
The precinct will utilise the Cabbage Gum Floodplain Forest with its naturally reflective ambiance as an opportunity for quiet reflection and spiritual repose.

The existing water bodies will be enhanced and celebrated, providing both formal and informal spaces to visually appreciate and appropriately interact with.

A range of smaller flexible informal passive seating spaces complemented by signage and sculptural elements will encourage environmental education and stewardship. It is envisioned that this area would have a strong emphasis on connecting with country demonstrated through educational signage and place names.

Functional aspects to the design such as access and maintenance will be developed to be both sensitive and practical. Smaller and more intimate trails that are sensitive to the natural environment will be developed to allow for education and reflection. Access for parking and maintenance will be maintained. Both will be underpinned by the desire to maintain and enhance key site lines and to ensure CPTED, user safety principles and ensuring inclusive access.

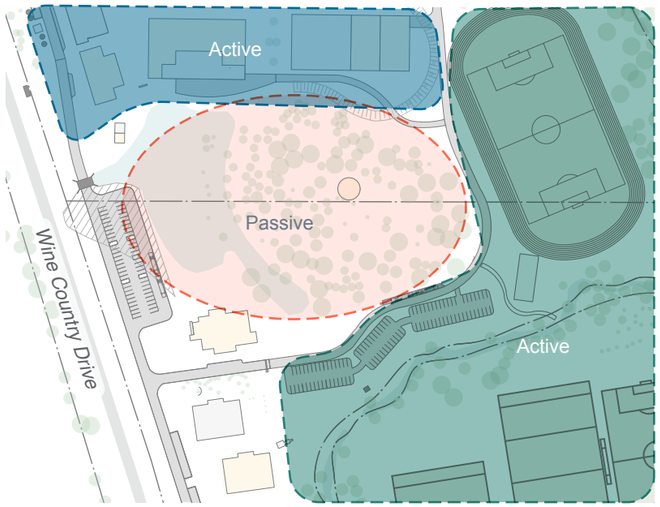
Additional wetland planting will be incorporated to improve the overall health and amenity of the wetland areas including water quality and erosion issues. Care will be given to material selection to strengthen the existing water bodies and aquatic habitats. The design will limit the use of concrete (an alkaline which effects the pH of water) in and around water bodies and instead utilised natural materials.



4.13 Environmental Precinct - Key Moves

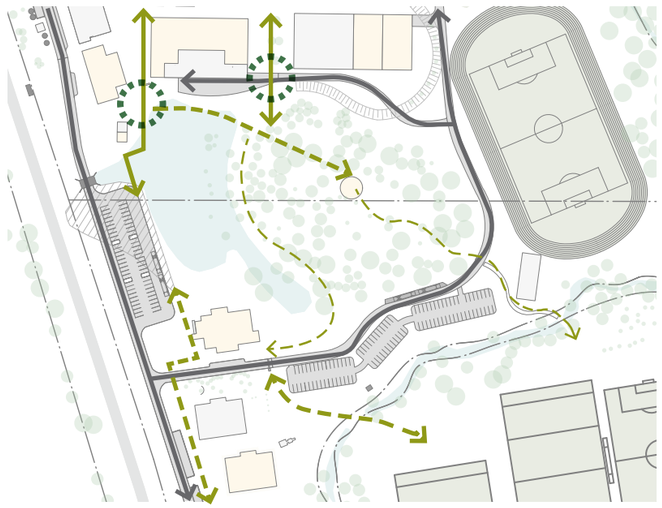
Key plan

1. Zones



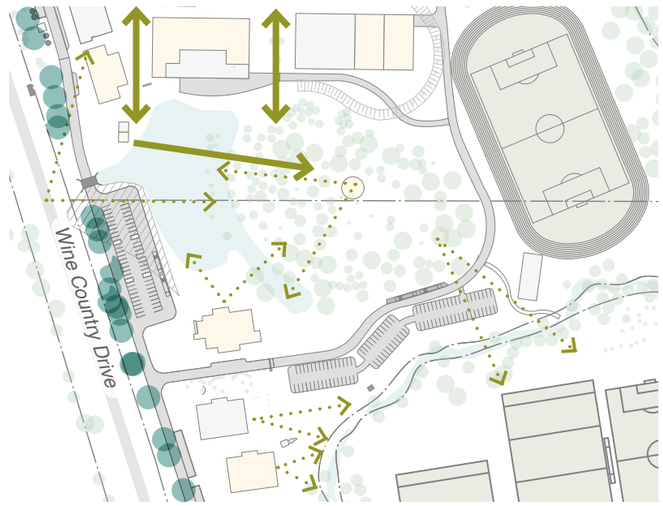
Leverage off the area's natural assets to provide a welcoming and reflective passive space for students that complements the active uses that surround the area.

2. Movement



Integrate a series of trails that are sensitive to the natural environment to allow for education and reflection. Balance this with inclusive, direct access through pedestrianised accessed roads, maintenance vehicles and parking needs.

3. Views

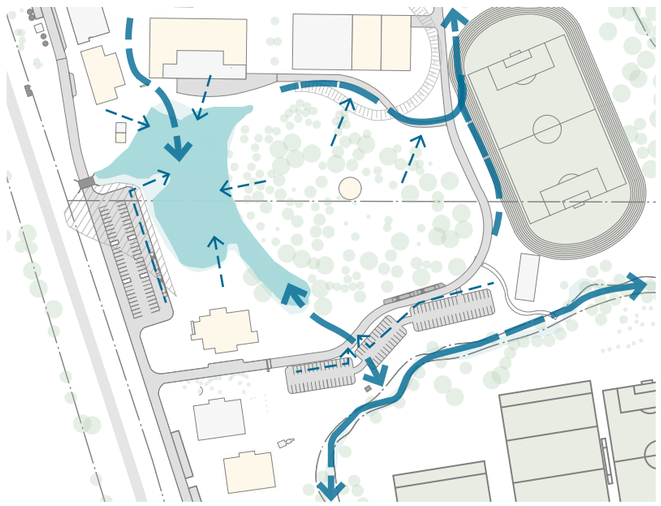


Maintain and enhance views toward the natural landscape and control views into development from the Wine Country Drive.

4. Open Space typology

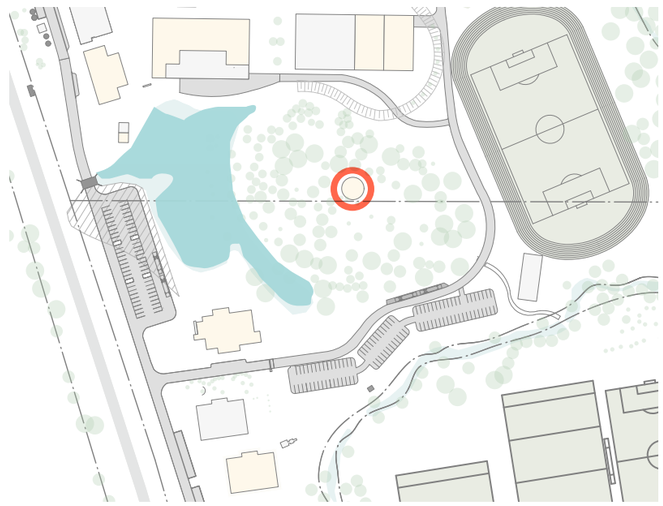
Provide a series of smaller formal and informal passive seating spaces to complement the natural environment and outdoor learning to encourage reflection, environmental education and stewardship. These would respond to the character and needs of 1)Narnia & DALE 2) Dam edge & 3) Cabbage Gum Forest.

5. Hydrology



Investigate opportunities to enhance the ecology and habitat through additional wetland planting which will improve the overall health and amenity of the wetland areas including water quality and erosion issues.

6. Reflection



Integrate a small outdoor Celebration space to provide students and visitors and opportunity for a place of repose and reflection within the forest.

moir landscape architecture

4.14 Environmental Precinct - Concept Plan

The adjacent plan demonstrates some initial Concepts for the Environmental Precinct which will enhance, celebrate and improve the area's natural assets to provide a welcoming, tranquil and reflective space for students and visitors.

LEGEND

1. Proposed Outdoor Celebration Space
2. Cabbage Gum Waterside Trail
3. New Boardwalk Crossing
4. Opportunity for Outdoor Learning Space
5. Opportunity for informal passive seating space
6. Forest Threshold
7. Viewing Deck
8. Dam Seating Edge
9. Creek-line planting
10. Vegetated WSUD Swale for water quality

moir landscape architecture

4.15 Recreational Precinct

The Recreational Precinct aims to provide a high quality active environment for students and the wider community that is multi functional, flexible and inclusive.

The proposed design considers usage throughout the day and weekend and facilitates out of hours functions such as park run, after school sports and training as well as high quality recreational facilities for students.

The design will provide appropriate amenity to spectators including shade, seating, and parking.

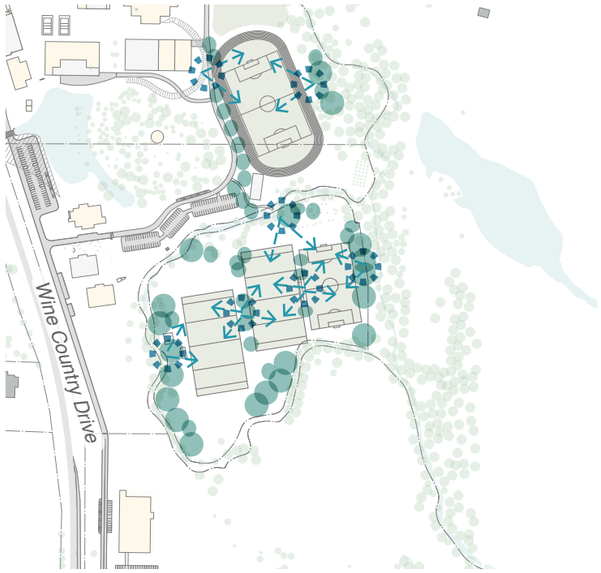
Access and movement will be underpinned by the desire to maintain and enhance key site lines and to ensure CPTED and user safety principles whilst ensuring inclusive access and adequate maintenance access. This will be complemented by appropriate wayfinding and signage to assist visitors.

Planting will be focused on enhancing and maintaining natural corridors, buffers and edges. The design will reference and celebrate the natural setting and surrounds through material selection and planting palette.

4.16 Recreational Precinct - Key Moves

Key plan

1.Spectator/Student Amenity



Provide appropriate amenity to spectators including shade, seating, access and parking.

2. Multi-functional Use

Encourage after hours usage through the provision of elements that support activities such as outdoor fitness equipment, after school sports training, informal carparking and water bottle filling stations.

3. Views

Maintain and enhance views toward the natural landscape and control views into development from the Wine Country Drive. Ensure adequate views are maintained out of and into the sports fields.

4. Hydrology

Investigate opportunities to enhance the ecology of the site through additional creekline planting which will improve the overall health and amenity of the creek lines including water quality and erosion issues.

4.17 Recreational Precinct - Concept Plan

The adjacent plan demonstrates some initial Concepts for the Recreational Precinct to improve the user experience and accessibility of the existing recreational facilities. These improvements will provide greater flexibility of use for both students and the wider community and create better environmental outcomes.

LEGEND

1. Feature Tree Avenue to guide students from educational area toward the recreation space
2. Additional Shade and seating to Spectator Area
3. Improved pedestrian access into Sports Field
4. Opportunity for Park Run Trail/ Creekline Trail
5. Enhance and improve natural corridors and edges through planting

5.1 Staging

The School will be developed in stages over the coming years as the student enrollment increases and the School's population expands. The intention is to develop the building units and associated landscapes in sequential blocks as illustrated, with the time frames shown.

For details of the building development sequence refer to the Architectural desgin package.

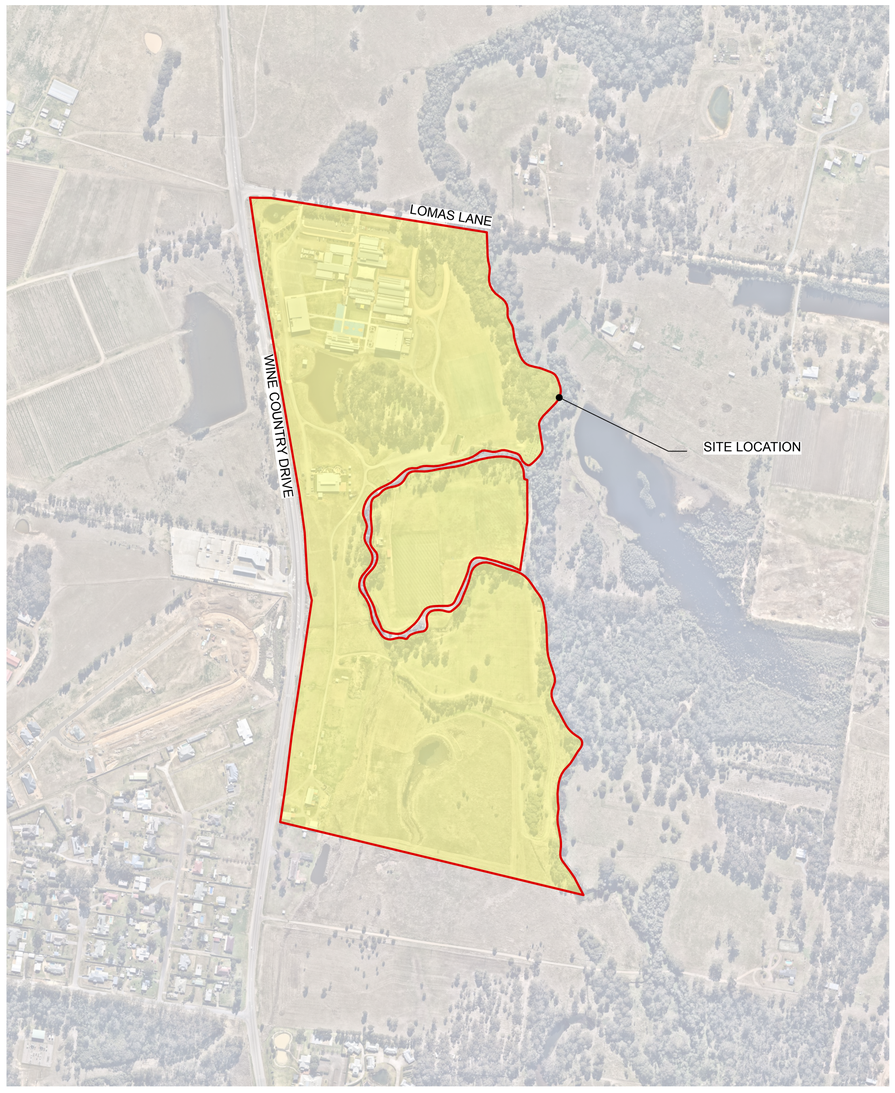
A

APPENDIX

B

APPENDIX

ST PHILLIP'S CHRISTIAN COLLEGE CESSNOCK
LANDSCAPE CONCEPT MASTERPLAN
10 LOMAS LANE, NULKABA, NSW 2325.

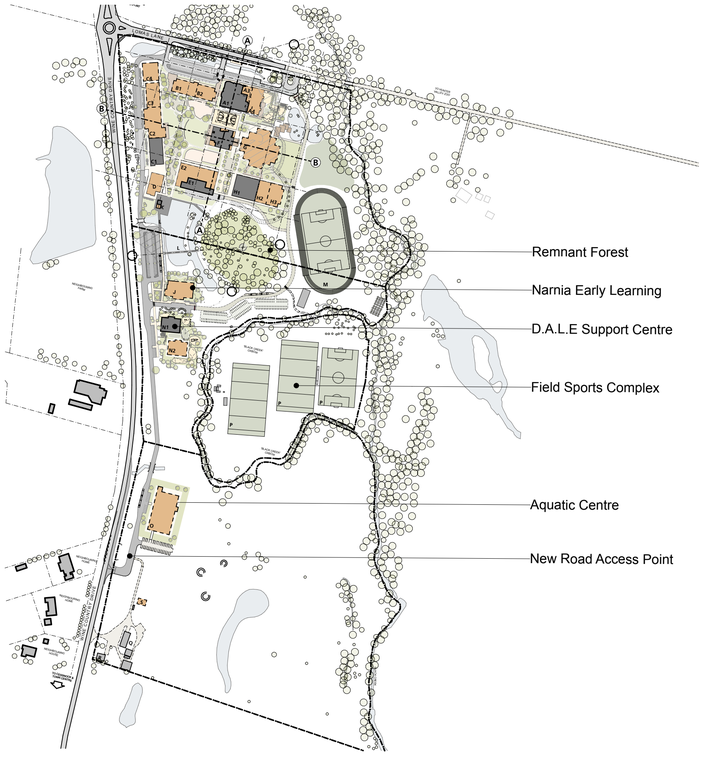


LOCALITY PLAN
Scale 1:5000 @ A1

0 100 200 300m

Source: Nearmap, 2019

Sheet No.	Drawing Title	Revision	Date
LP01	COVER SHEET	A	18/11/21
LP02	KEY PLAN	A	18/11/21
LP03	LANDSCAPE PLAN 01	A	18/11/21
LP04	LANDSCAPE PLAN 02	A	18/11/21
LP05	LANDSCAPE PLAN 03	A	18/11/21
LP06	LANDSCAPE PLAN 04	A	18/11/21
LP07	LANDSCAPE PLAN 05	A	18/11/21
LP08	LANDSCAPE PLAN 06	A	18/11/21
LP09	LANDSCAPE PLAN 07 & 08	A	18/11/21



LAYOUT PLAN - SHAC
Scale 1:5000 @ A1

0 100 200 300m

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT:
SHAC

ENGINEER:
Northrop

CLIENT:
St Phillip's Christian Education Foundation

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

No:	DATE:	REVISION:	BY:
A	18/11/21	Landscape Concept Masterplan	AG

PROJECT:
St Phillip's Christian College, Cessnock
10 Lomas Lane, Nulkaba
NSW 2325

Status: FOR SUBMISSION

North

COVER SHEET

SCALE: AS SHOWN
ORIGINAL DRAWING AT A1.
Drawn By: AG
Checked By: TB Approved By: DM

Project No. **2048**
Drawing No. LP01
Rev A

KEY PLAN
Scale 1:3000 @ A1

0 50 100 150 200m

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT:
SHAC

ENGINEER:
Northrop

CLIENT:
St Phillip's Christian Education Foundation

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

No:	DATE:	REVISION:	BY:
A	18/11/21	Landscape Concept Masterplan	AG

PROJECT:
St Phillip's Christian College, Cessnock
10 Lomas Lane, Nulkaba
NSW 2325

Status: FOR SUBMISSION

North

KEY PLAN

SCALE: 1:3000
ORIGINAL DRAWING AT A1.
Drawn By: AG
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP02
Rev A

LANDSCAPE PLAN 01
Scale 1:500 @ A1

0 10 20 30 40m

LEGEND

- Site boundary
- Lot boundary
- Drawing extent
- Existing minor contour - 0.5m interval
- Existing major contour - 1m interval

TREES

- Existing tree
- Native tree 1
- Native tree 2
- Feature tree
- Deciduous tree 1
- Deciduous tree 2

SOFTSCAPE

- Existing grassland
- Protected vegetation community
- Open turf area
- Sportsfield
- Water body
- Planting
- Vegetated swale

HARDSCAPE

- Primary road
- Secondary road
- Concrete pavement
- Existing paving
- Paving treatment 1
- Paving treatment 2
- Paving treatment 3
- Timber decking
- Rubber softfall
- Mulch softfall
- Gravel

ELEMENTS

- Arbour structure
- Shade sail
- Coloured concrete steppers
- Formed concrete seating
- Sandstone log
- Boulders

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT: SHAC
ENGINEER: Northrop

CLIENT: St Phillip's Christian Education Foundation

No:	DATE:	REVISION:	BY:
A	18/11/21	Landscape Concept Masterplan	AG

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

PROJECT: St Phillip's Christian College, Cessnock
10 Lomas Lane, Nulkaba
NSW 2325
Status: FOR SUBMISSION

North

LANDSCAPE PLAN 01

SCALE: 1:500
ORIGINAL DRAWING AT A1.
Drawn By: AG
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP03
Rev A

LANDSCAPE PLAN 02
Scale 1:500 @ A1

LEGEND

- Site boundary
- Lot boundary
- Drawing extent
- Existing minor contour - 0.5m interval
- Existing major contour - 1m interval

TREES

- Existing tree
- Native tree 1
- Native tree 2
- Feature tree
- Deciduous tree 1
- Deciduous tree 2

SOFTSCAPE

- Existing grassland
- Protected vegetation community
- Open turf area
- Sportsfield
- Water body
- Planting
- Vegetated swale

HARDSCAPE

- Primary road
- Secondary road
- Concrete pavement
- Existing paving
- Paving treatment 1
- Paving treatment 2
- Paving treatment 3
- Timber decking
- Rubber softfall
- Mulch softfall
- Gravel

ELEMENTS

- Arbour structure
- Shade sail
- Coloured concrete steppers
- Formed concrete seating
- Sandstone log
- Boulders

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT: SHAC
ENGINEER: Northrop

CLIENT: St Phillip's Christian Education Foundation

No:	DATE:	REVISION:	BY:
A	18/11/21	Landscape Concept Masterplan	AG

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

PROJECT: St Phillip's Christian College, Cessnock
10 Lomas Lane, Nulkaba
NSW 2325

Status: FOR SUBMISSION

North

LANDSCAPE PLAN 02

SCALE: 1:500
ORIGINAL DRAWING AT A1.
Drawn By: AG
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP04
Rev A

LANDSCAPE PLAN 03
Scale 1:500 @ A1

0 10 20 30 40m

LEGEND

- Site boundary
- Lot boundary
- Drawing extent
- Existing minor contour - 0.5m interval
- Existing major contour - 1m interval

TREES

- Existing tree
- Native tree 1
- Native tree 2
- Feature tree
- Deciduous tree 1
- Deciduous tree 2

SOFTSCAPE

- Existing grassland
- Protected vegetation community
- Open turf area
- Sportsfield
- Water body
- Planting
- Vegetated swale

HARDSCAPE

- Primary road
- Secondary road
- Concrete pavement
- Existing paving
- Paving treatment 1
- Paving treatment 2
- Paving treatment 3
- Timber decking
- Rubber softfall
- Mulch softfall
- Gravel

ELEMENTS

- Arbour structure
- Shade sail
- Coloured concrete steppers
- Formed concrete seating
- Sandstone log
- Boulders

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT: SHAC
ENGINEER: Northrop

CLIENT: St Phillip's Christian Education Foundation

No:	DATE:	REVISION:	BY:
A	18/11/21	Landscape Concept Masterplan	AG

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

PROJECT: St Phillip's Christian College, Cessnock
10 Lomas Lane, Nulkaba
NSW 2325
Status: FOR SUBMISSION

North

LANDSCAPE PLAN 03

SCALE: 1:500 (ORIGINAL DRAWING AT A1.)
Drawn By: AG
Checked By: TB
Approved By: DM
Project No. 2048
Drawing No. LP05
Rev A

LANDSCAPE PLAN 04
Scale 1:500 @ A1

0 10 20 30 40m

LEGEND

- Site boundary
- Lot boundary
- Drawing extent
- Existing minor contour - 0.5m interval
- Existing major contour - 1m interval

TREES

- Existing tree
- Native tree 1
- Native tree 2
- Feature tree
- Deciduous tree 1
- Deciduous tree 2

SOFTSCAPE

- Existing grassland
- Protected vegetation community
- Open turf area
- Sportsfield
- Water body
- Planting
- Vegetated swale

HARDSCAPE

- Primary road
- Secondary road
- Concrete pavement
- Existing paving
- Paving treatment 1
- Paving treatment 2
- Paving treatment 3
- Timber decking
- Rubber softfall
- Mulch softfall
- Gravel

ELEMENTS

- Arbour structure
- Shade sail
- Coloured concrete steppers
- Formed concrete seating
- Sandstone log
- Boulders

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT: SHAC
ENGINEER: Northrop

CLIENT: St Phillip's Christian Education Foundation

No:	DATE:	REVISION:	BY:
A	18/11/21	Landscape Concept Masterplan	AG

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

PROJECT: St Phillip's Christian College, Cessnock
10 Lomas Lane, Nulkaba
NSW 2325

Status: FOR SUBMISSION

North

LANDSCAPE PLAN 04

SCALE: 1:500
ORIGINAL DRAWING AT A1.
Drawn By: AG
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP06
Rev A

LANDSCAPE PLAN 05
Scale 1:500 @ A1

0 10 20 30 40m

LEGEND

- Site boundary
- Lot boundary
- Drawing extent
- Existing minor contour - 0.5m interval
- Existing major contour - 1m interval

TREES

- Existing tree
- Native tree 1
- Native tree 2
- Feature tree
- Deciduous tree 1
- Deciduous tree 2

SOFTSCAPE

- Existing grassland
- Protected vegetation community
- Open turf area
- Sportsfield
- Water body
- Planting
- Vegetated swale

HARDSCAPE

- Primary road
- Secondary road
- Concrete pavement
- Existing paving
- Paving treatment 1
- Paving treatment 2
- Paving treatment 3
- Timber decking
- Rubber softfall
- Mulch softfall
- Gravel

ELEMENTS

- Arbour structure
- Shade sail
- Coloured concrete steppers
- Formed concrete seating
- Sandstone log
- Boulders

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT: SHAC
ENGINEER: Northrop

CLIENT: St Phillip's Christian Education Foundation

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

No:	DATE:	REVISION:	BY:
A	18/11/21	Landscape Concept Masterplan	AG

PROJECT: St Phillip's Christian College, Cessnock
10 Lomas Lane, Nulkaba
NSW 2325

Status: FOR SUBMISSION

North

LANDSCAPE PLAN 05

SCALE: 1:500
ORIGINAL DRAWING AT A1.
Drawn By: AG
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP07
Rev A

LANDSCAPE PLAN 06
Scale 1:500 @ A1

0 10 20 30 40m

LEGEND

- Site boundary
- Lot boundary
- Drawing extent
- Existing minor contour - 0.5m interval
- Existing major contour - 1m interval

TREES

- Existing tree
- Native tree 1
- Native tree 2
- Feature tree
- Deciduous tree 1
- Deciduous tree 2

SOFTSCAPE

- Existing grassland
- Protected vegetation community
- Open turf area
- Sportsfield
- Water body
- Planting
- Vegetated swale

HARDSCAPE

- Primary road
- Secondary road
- Concrete pavement
- Existing paving
- Paving treatment 1
- Paving treatment 2
- Paving treatment 3
- Timber decking
- Rubber softfall
- Mulch softfall
- Gravel

ELEMENTS

- Arbour structure
- Shade sail
- Coloured concrete steppers
- Formed concrete seating
- Sandstone log
- Boulders

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT: SHAC
ENGINEER: Northrop

CLIENT: St Phillip's Christian Education Foundation

No:	DATE:	REVISION:	BY:
A	18/11/21	Landscape Concept Masterplan	AG

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

PROJECT: St Phillip's Christian College, Cessnock
10 Lomas Lane, Nulkaba
NSW 2325
Status: FOR SUBMISSION

North

LANDSCAPE PLAN 06

SCALE: 1:500
ORIGINAL DRAWING AT A1.
Drawn By: AG
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP08
Rev A

REFER TO LP07

REFER TO LP08

1. Access road
2. Carpark
3. Access off Wine Country Drive
4. Arbour structure
5. Proposed outdoor areas
6. Existing grassland
7. Existing Aboriginal Cultural Heritage sites
8. Existing buildings

WINE COUNTRY DRIVE

AQUATIC CENTRE

WASTE MANAGEMENT DEPOT

EXISTING HOUSE

LANDSCAPE PLAN 08
Scale 1:500 @ A1

REFER TO LP09 (EXCERPT ABOVE)

LANDSCAPE PLAN 07
Scale 1:500 @ A1

0 10 20 30 40m

LEGEND

- Site boundary
- Lot boundary
- Drawing extent
- Existing minor contour - 0.5m interval
- Existing major contour - 1m interval

TREES

- Existing tree
- Native tree 1
- Native tree 2
- Feature tree
- Deciduous tree 1
- Deciduous tree 2

SOFTSCAPE

- Existing grassland
- Protected vegetation community
- Open turf area
- Sportsfield
- Water body
- Planting
- Vegetated swale

HARDSCAPE

- Primary road
- Secondary road
- Concrete pavement
- Existing paving
- Paving treatment 1
- Paving treatment 2
- Paving treatment 3
- Timber decking
- Rubber softfall
- Mulch softfall
- Gravel

ELEMENTS

- Arbour structure
- Shade sail
- Coloured concrete steppers
- Formed concrete seating
- Sandstone log
- Boulders

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT: SHAC

ENGINEER: Northrop

CLIENT: St Phillip's Christian Education Foundation

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

No:	DATE:	REVISION:	BY:
A	18/11/21	Landscape Concept Masterplan	AG

PROJECT: St Phillip's Christian College, Cessnock
10 Lomas Lane, Nulkaba
NSW 2325

Status: FOR SUBMISSION

North

LANDSCAPE PLAN 07 & 08

SCALE: 1:500
ORIGINAL DRAWING AT A1.
Drawn By: AG
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP09
Rev A

A

APPENDIX

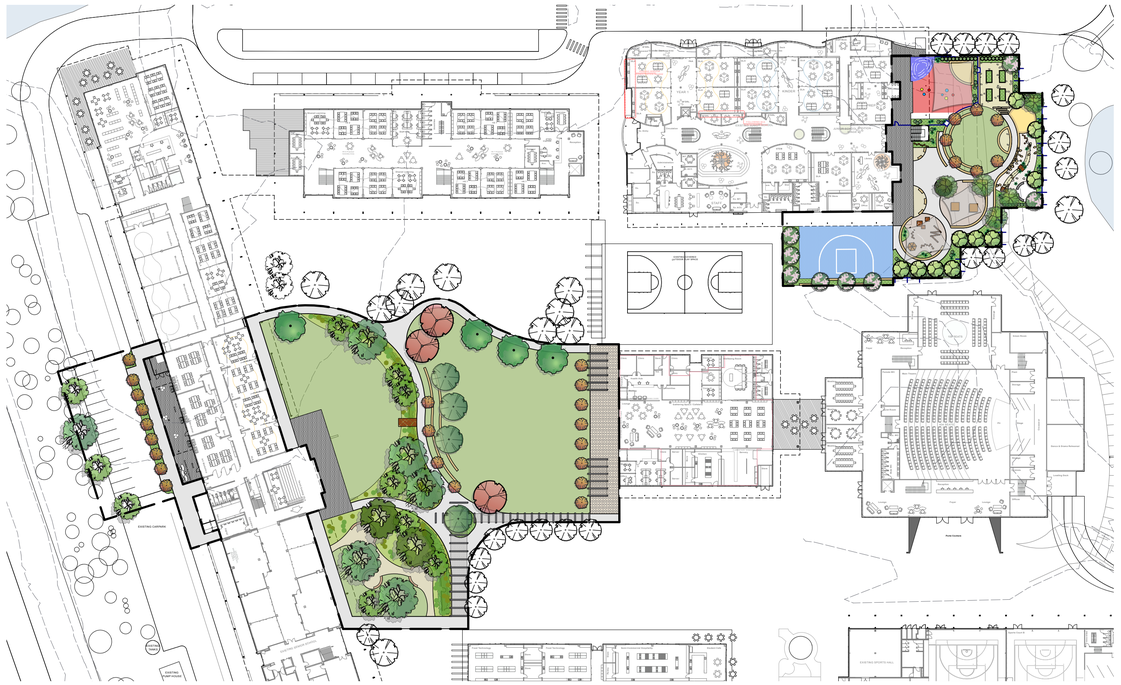
B

APPENDIX

ST PHILIPS CHRISTIAN COLLEGE CESSNOCK
LANDSCAPE DETAILED DESIGN DOCUMENTATION
10 LOMAS LANE, NULKABA, NSW 2325.

LOCALITY PLAN Source: Nearmap, 2021
Scale 1:5000 @ A1

Sheet No.	Drawing Title	Revision	Date
LP01	COVER SHEET	B	17/1/2022
LP02	OVERALL LANDSCAPE PLAN	B	17/1/2022
LP03	JUNIOR SCHOOL - LANDSCAPE PLAN	B	17/1/2022
LP04	THEMING & PLANTING PALETTE	B	17/1/2022
LP05	SENIOR SCHOOL - LANDSCAPE PLAN	B	17/1/2022
LP06	THEMING & PLANTING PALETTE	B	17/1/2022
LP07	SECTIONS	B	17/1/2022



SITE PLAN
Scale 1:750 @ A1

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT:
SHAC

ENGINEER:
Northrop Engineers

CLIENT:
St Philips Christian Education Foundation

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

No:	DATE:	REVISION:	BY:
A	12/11/21	DRAFT FOR REVIEW	AL
B	17/1/2022	FINAL FOR SUBMISSION	AG

PROJECT:
St Philips Christian College
10 Lomas Lane, Nulkaba, NSW

Status: DRAFT

North

COVER SHEET

SCALE: AS SHOWN
ORIGINAL DRAWING AT A1.
Drawn By: AL
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP01
Rev B

LANDSCAPE PLAN
Scale 1:500 @ A1

0 10 20 30 40m

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT:
SHAC

ENGINEER:
Northrop Engineers

CLIENT:
St Philips Christian Education Foundation

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

No:	DATE:	REVISION:	BY:
A	12/11/21	DRAFT FOR REVIEW	AL
B	17/1/2022	FINAL FOR SUBMISSION	AG

PROJECT:
St Philips Christian College
10 Lomas Lane, Nulkaba, NSW

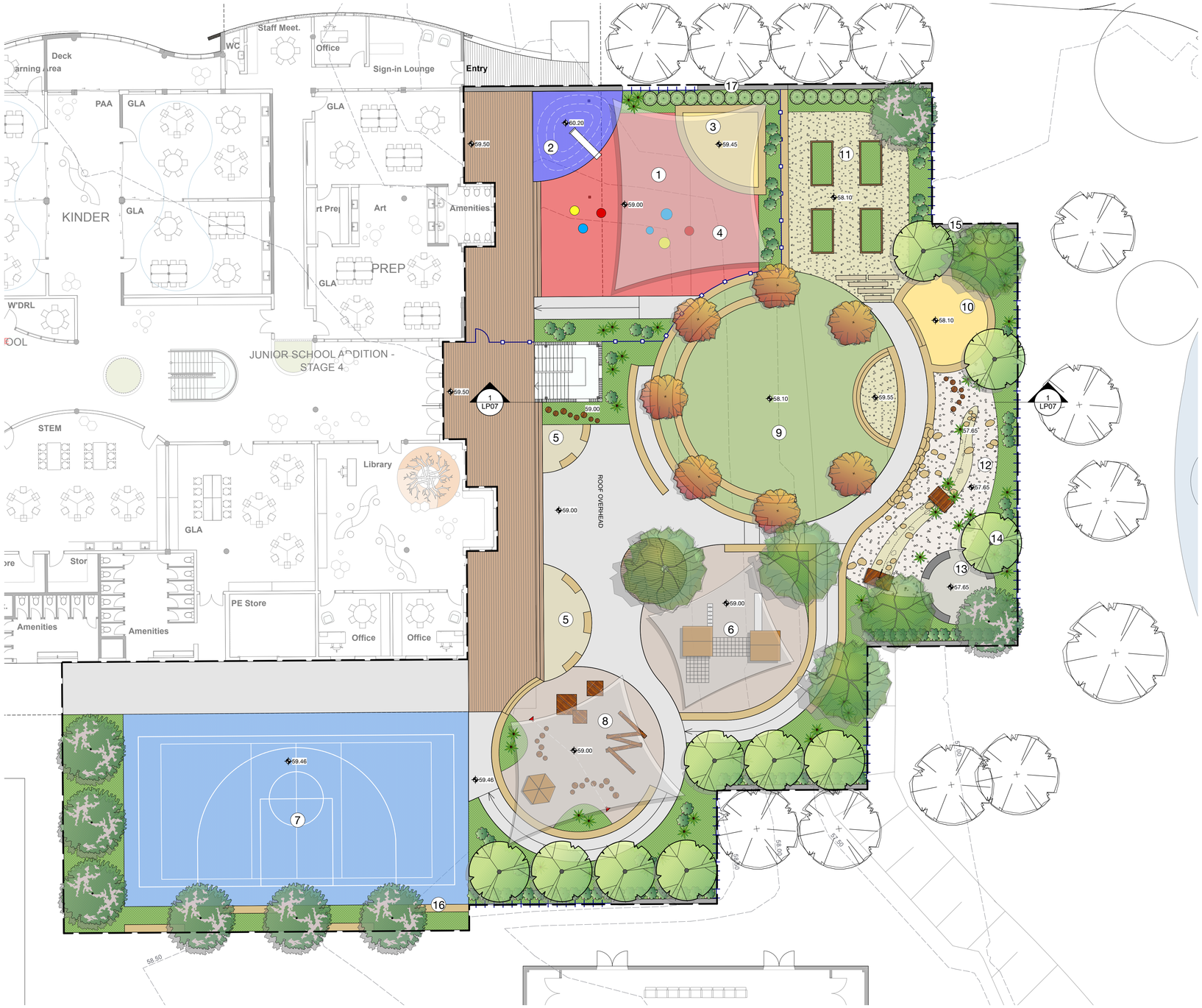
Status: DRAFT

North

OVERALL LANDSCAPE PLAN

SCALE: 1:500
ORIGINAL DRAWING AT A1.
Drawn By: AL
Checked By: TB Approved By: DM

Project No. **2048**
Drawing No. LP02
Rev B



LANDSCAPE PLAN
Scale 1:150 @ A1

0 2 4 6 8 10m

KEY:
1. Fenced PREP softfall area
2. Softfall mound and slide
3. Toddler sandpit
4. Small softfall mounds and space for movable furniture
5. Round seating nodes
6. Adventure play climbing structure and slide
7. Multi-purpose sports court
8. Nature play balance, climbing, tee pee and talking tubes
9. Turf amphitheatre, stage and kickabout area
10. Sandpit
11. Veggie gardens
12. Dry creek bed water play and hand pump
13. Conversation circle
14. Feature trees to frame pond
15. 1.5m high blade walls for security and to frame views
16. Low seating wall
17. 1.8m high wall adjacent to PREP

LEGEND

- Extent of work
- 15.0 Existing contours
- 12.95 Proposed Spot level
- 1.5m high feature blade wall
- Sandstone log
- Timber deck
- Coloured concrete pavement
- Concrete pavement
- Dry creek bed
- Decomposed granite
- Gravel
- Mulch softfall
- Rubber softfall
- Acrylic cushion
- Sand
- Turf
- Groundcover
- Shade sail structure
- Fence 1 - 1.5m timber blade
- Fence 2 - 1.8m palisade
- Timber log steppers
- Totem pole

Cupaniopsis anacardioides
Tuckeroo

Lagerstroemia indica
Crepe Myrtle

Tristaniopsis laurina
Watergum

Pyrus calleryana 'Capital'
Ornamental Pear

Shrub & groundcover planting

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT:
SHAC

ENGINEER:
Northrop Engineers

CLIENT:
St Philips Christian Education Foundation

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

No:	DATE:	REVISION:	BY:
A	12/11/21	DRAFT FOR REVIEW	AL
B	17/1/2022	FINAL FOR SUBMISSION	AG

PROJECT:
St Philips Christian College
10 Lomas Lane, Nulkaba, NSW

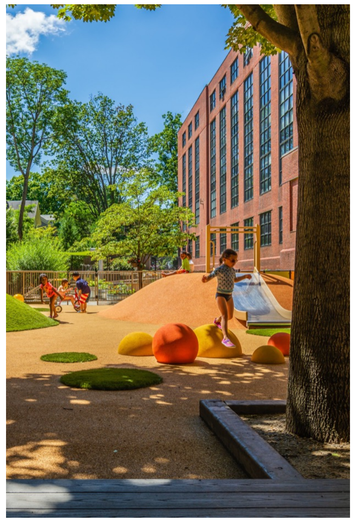
Status: DRAFT

North

JUNIOR SCHOOL - LANDSCAPE PLAN

SCALE: 1:150
ORIGINAL DRAWING AT A1.
Drawn By: AL
Checked By: TB Approved By: DM

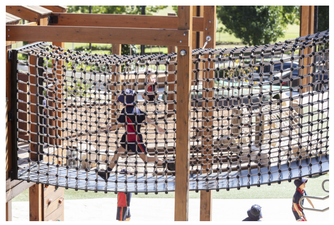
Project No. **2048**
Drawing No. LP03
Rev B



PREP PLAY

SENSORY

NATURE PLAY



ACTIVE/ADVENTURE

MATERIALITY

TREES

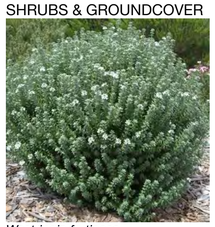
Tristaniopsis laurina 'Luscious'
Water Gum

Cupaniopsis anacardioides
Tuckeroo

Lagerstroemia indica
Crepe Myrtle

Pistacia chinensis
Chinese Pistachio

SHRUBS & GROUNDCOVER



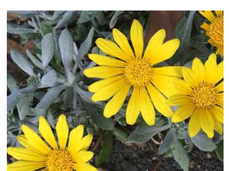
Westringia fruticosa
Coastal Rosemary

Lomandra longifolia 'tanika'
Mat Rush

Acmena smithii 'Dwarf'
Dwarf Lilly Pilly

Raphiolepsis indica 'Snow Maiden'
Indian Hawthorn

Liriope muscari
Lilly Turf



Gazania rigens var. leucolaena
Silver Trailing Gazania

Hardenbergia violacea
Purple Coral Pea

moir landscape architecture

Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT:
SHAC

ENGINEER:
Northrop Engineers

CLIENT:
St Philips Christian Education Foundation

No:	DATE:	REVISION:	BY:
A	12/11/21	DRAFT FOR REVIEW	AL
B	17/1/2022	FINAL FOR SUBMISSION	AG

PROJECT:
St Philips Christian College
10 Lomas Lane, Nulkaba, NSW

Status: DRAFT

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

North

THEMING & PLANTING PALETTE

SCALE:
ORIGINAL DRAWING AT A1.
Drawn By: AL
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP04
Rev B

KEY:

1. Large canopy trees to provide shade for carpark
2. Grapevine on wire trellis
3. Terraced seating edge
4. Flexible turfed open space
5. Turf mounds to aid in control of pedestrian circulation
6. Round seating nodes
7. Central arbour along main pedestrian axis
8. Blue green thread
9. Senior school turf spillout space
10. Feature tree and planting at crossover point of abour

0 5 10 15 20m

LANDSCAPE PLAN
Scale 1:200 @ A1

LEGEND

- Extent of work
- 12.95 Proposed Spot level
- Terraced seating edge
- Timber deck
- Coloured concrete pavement
- Concrete pavement
- Paving
- Turf
- Groundcover
- Vegetated drainage corridor
- Pergola
- Seating
- Grapevine on wire trellis

DECIDUOUS TREES

Fraxinus pennsylvannica 'Urbanite'
Urbanite Ash

Liriodendron tulipifera
Tulip Tree

Jacaranda mimosifolia
Jacaranda

Pyrus calleryana 'Capital'
Ornamental Pear

NATIVE TREES

Angophora floribunda
Rough-barked Apple

Melaleuca styphelioides
Prickly-leaved Paperbark

Eucalyptus amplifolia
Cabbage Gum

Eucalyptus punctata
Grey Gum

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT:
SHAC

ENGINEER:
Northrop Engineers

CLIENT:
St Philips Christian Education Foundation

No:	DATE:	REVISION:	BY:
A	12/11/21	DRAFT FOR REVIEW	AL
B	17/1/2022	FINAL FOR SUBMISSION	AG

PROJECT:
St Philips Christian College
10 Lomas Lane, Nulkaba, NSW

Status: DRAFT

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

North

SENIOR SCHOOL - LANDSCAPE PLAN

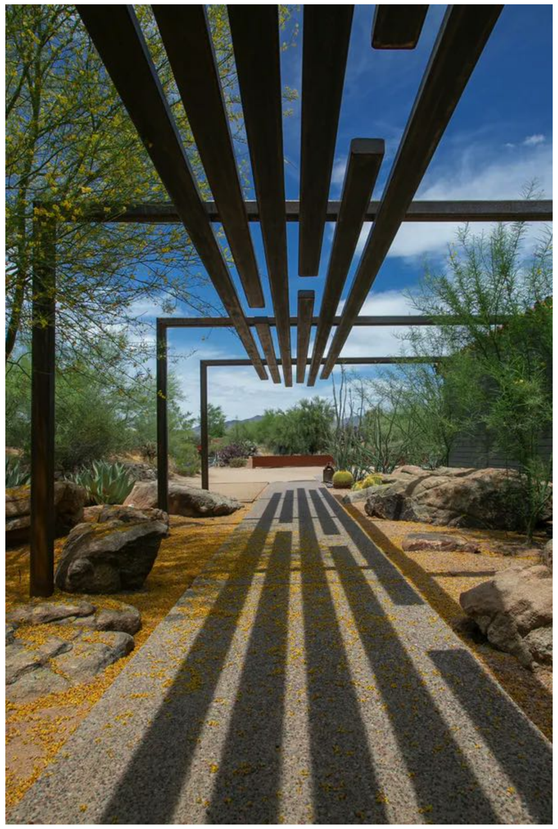
SCALE: 1:200
ORIGINAL DRAWING AT A1.
Drawn By: AL
Checked By: TB Approved By: DM

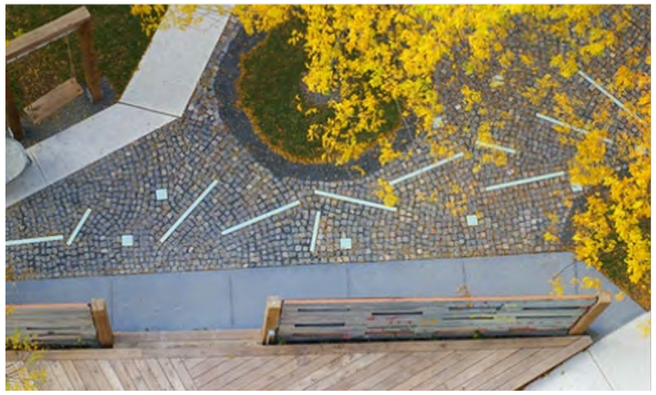
Project No. 2048
Drawing No. LP05
Rev B

PRECEDENTS

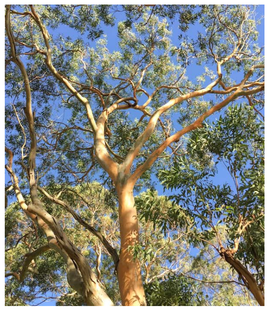









TREES



Eucalyptus punctata
Grey Gum

Melaleuca styphelioides
Prickly-leaved Paperbark

Angophora floribunda
Rough-barked apple

Eucalyptus amplifolia
Cabbage Gum

Pyrus calleryana 'Capital'
Ornamental Pear

Fraxinus pennsylvannica 'Urbanite'
Urbanite Ash

Jacaranda mimosifolia
Jacaranda

Liriodendron tulipifera
Tulip Tree

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT:
SHAC

ENGINEER:
Northrop Engineers

CLIENT:
St Philips Christian Education Foundation

No:	DATE:	REVISION:	BY:
A	12/11/21	DRAFT FOR REVIEW	AL
B	17/1/2022	FINAL FOR SUBMISSION	AG

PROJECT:
St Philips Christian College
10 Lomas Lane, Nulkaba, NSW

Status: DRAFT

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

North

THEMING & PLANTING PALETTE

SCALE:
ORIGINAL DRAWING AT A1.
Drawn By: AL
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP06
Rev B

SECTION 1
Scale: 1:100 LP07

SECTION 2
Scale: 1:100 LP07

moir landscape architecture
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 4965 3500
Fax (02) 4965 3555
admin@moirla.com.au
www.moirla.com.au

ARCHITECT:
SHAC

ENGINEER:
Northrop Engineers

CLIENT:
St Philips Christian Education Foundation

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

No:	DATE:	REVISION:	BY:
A	12/11/21	DRAFT FOR REVIEW	AL
B	17/1/2022	FINAL FOR SUBMISSION	AG

PROJECT:
St Philips Christian College
10 Lomas Lane, Nulkaba, NSW

Status: DRAFT

North

SECTIONS

SCALE: 1:100
ORIGINAL DRAWING AT A1.
Drawn By: AL
Checked By: TB Approved By: DM

Project No. 2048
Drawing No. LP07
Rev B