MCMSC, MORIAH COLLEGE QUEENS PARK RD, QUEENS PARK, NSW 2022

LANDSCAPE DOCUMENTATION

SSDA DEVELOPMENT APPLICATION

DRAWING REGISTER

Dwg No.	Drawing Title	Size	Scale
General			
LA-DA-00	Cover Page + Drawing Schedule	A1	N/A
LA-DA-01	Introduction	A1	N/A
LA-DA-02	Landscape Principles	A1	N/A
LA-DA-03	Landscape Strategy	A1	N/A
LA-DA-04	Delivery Stages	A1	N/A
LA-DA-05	Security & Circulation Strategy	A1	N/A
LA-DA-06	Canopy Area Analysis	A1	N/A
LA-DA-07	Landscape Area Analysis	A1	N/A
LA-DA-08	Open Space Area Analysis	A1	N/A
LA-DA-09	Stage 1A - Landscape Masterplan	A1	1:500
LA-DA-10	Stage 1B - Landscape Masterplan	A1	1:500
LA-DA-11	Stage 2 - Landscape Masterplan	A1	1:500
LA-DA-12	Landscape Sections	A1	1:200
LA-DA-13	Central Lawn - Detailed Landscape Plan	A1	1:200
LA-DA-14	Central Lawn - Landscape Summary	A1	N/A
LA-DA-15	Active Courts - Detailed Landscape Plan	A1	1:200
LA-DA-16	Active Courts - Landscape Summary	A1	N/A
LA-DA-17	Reflection Gardens - Detailed Landscape Plan	A1	1:200
LA-DA-18	Reflection Gardens - Landscape Summary	A1	N/A
LA-DA-19	Building + Atrium Gardens - Detailed Landscape Plan	A1	1:200
LA-DA-20	Building + Atrium Gardens - Landscape Summary	A1	N/A
LA-DA-21	Cultural Narrative	A1	N/A
LA-DA-22	Lighting, Safety & Security	A1	N/A
LA-DA-23	Materials & Furniture	A1	N/A
LA-DA-24	Planting Character	A1	N/A
LA-DA-25	Planting Palette 01 - Lawns, Courts & Gardens	A1	N/A
LA-DA-26	Planting Palette 02 - Entries & New Building	A1	N/A
LA-DA-27	Planting Palette 03 - Stage 2, ESBS & Schedule	A1	N/A

LOCATION PLAN







INTRODUCTION

The Moriah War Memorial College is an independent Modern Orthodox Jewish coeducational early learning, primary and secondary day school, located in Queens Park, an eastern suburb of Sydney, New South Wales, Australia. The college provides education from early learning through Kindergarten to Year 12.

This Landscape Masterplan Report has been prepared to guide the development of future landscape works and support the Architectural Masterplan and Urban Design Report Prepared by FJMT Architects. These documents have been prepared to support the school's core activities and guides the ongoing development of its unique environment which provides a memorable and positive learning, working and social experience for students, staff, alumni, family and guests of the college who visit the campus.

The needs of the school will continue to evolve over time, as reflected by strategic planning. It is important to provide a supporting physical plan that embraces a long term vision for the campus, with capacity to adapt to a changing academic environment.

It is also important to recognise and preserve the attributes of Moriah College that distinguish it as a unique place. The ongoing stewardship of the campus must balance retaining and preserving historically, environmentally, and culturally significant elements to maintain the schools identity and sense of place.

The intent of this document is to identify areas for consideration for new landscape works. This report has been structured to provide succinct comment that will be applicable to future external works. The objective is to establish a series of landscape guidelines and principles which will, in turn, inform the operational guidelines and the implementation through actual landscape projects.







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INTRODUCTION

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MCMSC - MORIAH COLLEGE

PRINCIPLE 1 - CREATE A SENSE OF COMMUNITY/ PLACE

A sense of place will be created by developing an environment that provides a unique and positive experience for everyone who uses the campus

The campus will be welcoming and will encourage a sense of belonging, while also enhancing the experience of learning, teaching and development. The campus's social and cultural amenities will support the school's inclusively.

PRINCIPLE 2 - CROSS CULTURAL NARRATIVE

It is important to recognise and preserve the attributes of Moriah College that distinguish it as a unique place. The ongoing development of the campus must balance retaining and preserving historically, environmentally, and culturally significant elements to maintain the schools identity and sense of place.

Preserving the heritage qualities and other assets that contribute To the understanding of cultural and historic significance is a primary objective. Incorporation of a cultural overlay within the landscape is critical to the educational platform of the landscape, including Indigenous, Australian and Jewish culture.

PRINCIPLE 3 - ACHIEVE ECOLOGICALLY SUSTAINABLE OUTCOMES

Moriah College has an opportunity to incorporate sustainability into its actions and practices, promoting a healthy workplace and campus for staff and students.

The campus will showcase environmentally sustainable design through environmental initiatives such as water sensitive urban design, managing and controlling runoff, encouraging the return of aerial and terrestrial wildlife through improved landscape habitat, and facilitate educational opportunities.

The campus will support the education of ecological sustainability, and facilitate active learning such as produce gardens, and visible water collection/treatment.

PRINCIPLE 4 - A FUNCTIONAL & CONNECTED SITE

The campus is readily accessible by public transport. The site will have a simple and legible pattern of open space that assists wayfinding. External spaces will respond to internal building function, and key sight lines and vistas will be maintained.

All modes of access will be appropriately designed to achieve equity and dignity.

PRINCIPLE 5 - SECURE & INVITING

The legibility of the campus relates to its overall spatial structure, particularly the pattern of open spaces and the clarity of the network of paths and entries that innately guide movement and orientation.

Clear connections between campus entrances and functional areas are fundamental. The development of a legible campus supports and improves the security and sense of safety for staff, students and visitors. Provision of clear sightlines, lighting and points of entries will improve passive surveillance of the campus and broader security.

PRINCIPLE 6 - LANDSCAPE FOR CURRICULUM

The landscape design will support the architectural scheme and the pedagogical ambition of the school to seamlessly integrate indoor and outdoor learning in support of the principal of biophilia.

A series of connected green spaces will offer a diversity of natural environments and opportunities for both free, unstructured play, as well as outdoor learning areas to support programmed classes. The distinctly green and connected campus will foster the development of smarter, more social, happier and healthier children.





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LANDSCAPE PRINCIPLES

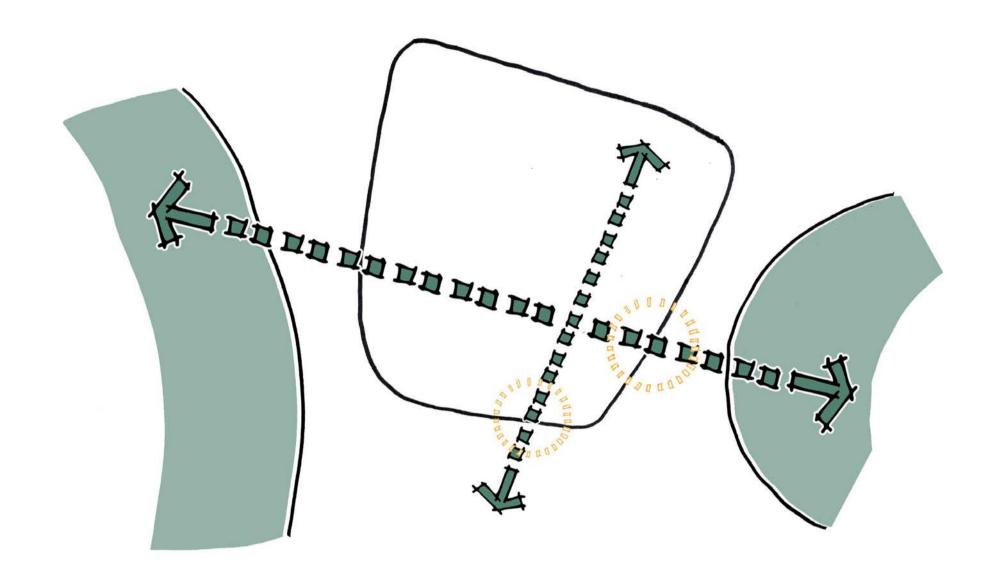
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MCMSC - MORIAH COLLEGE

CLARITY OF ENTRIES & MOVEMENT

SECURE & INVITING

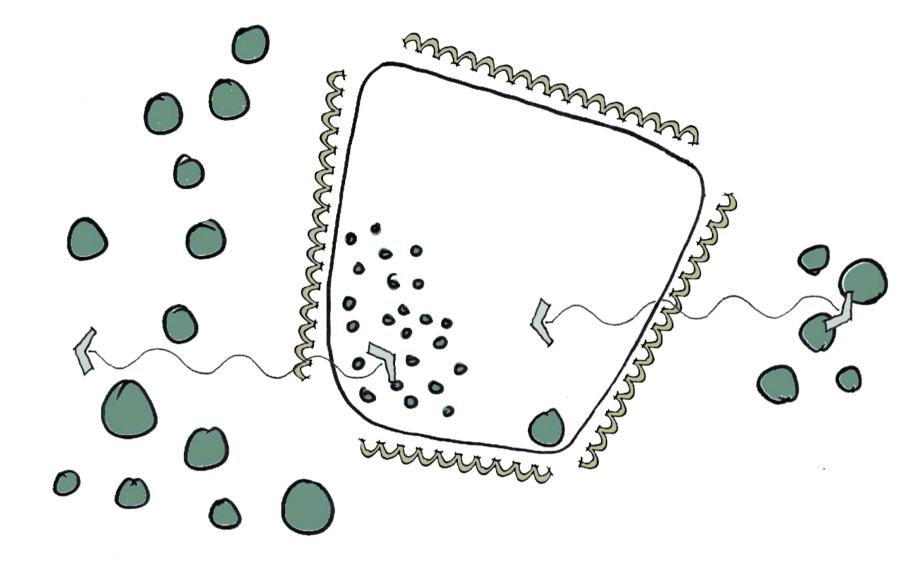
INTEGRATED PLAY



CLEAR ADDRESS AND ENTRIES

IMPROVED CIRCULATION / WAYFINDING

LEGIBLE PATTERN OF OPEN SPACE



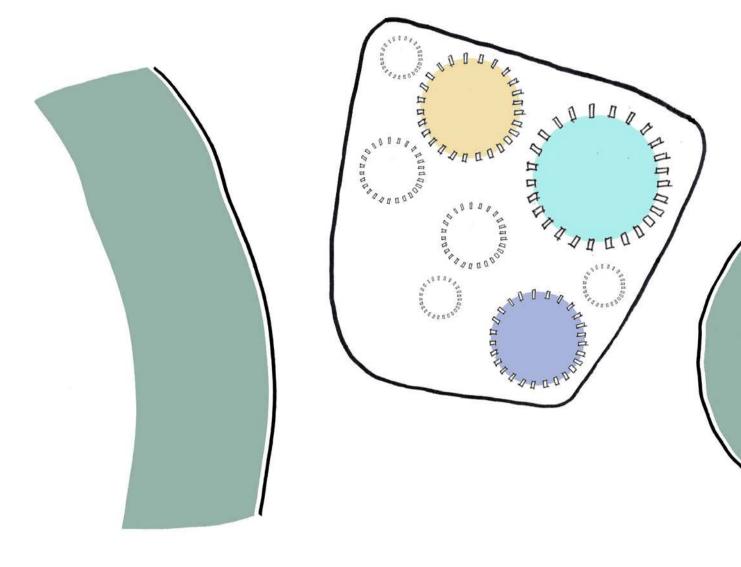
SOFT + SECURE EDGES

CLEAR INVITING ENTRY

SENSE OF ARRIVAL

WELCOMING

CONNECTION TO SURROUNDING LANDSCAPE



PLAY INCORPORATED INTO ALL ELEMENTS

LANDSCAPE FOR CURRICULUM

CROSS CAMPUS APPROACH

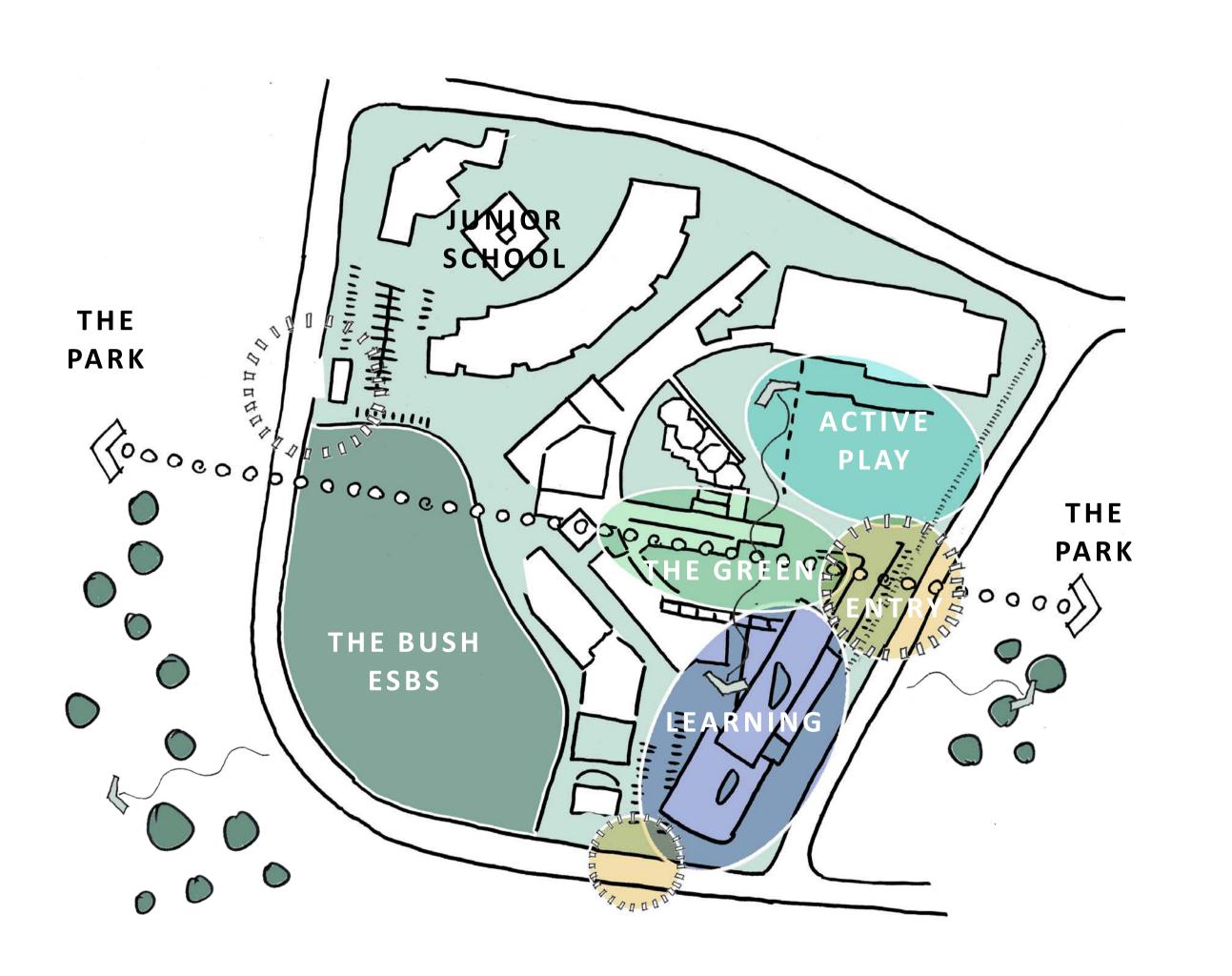


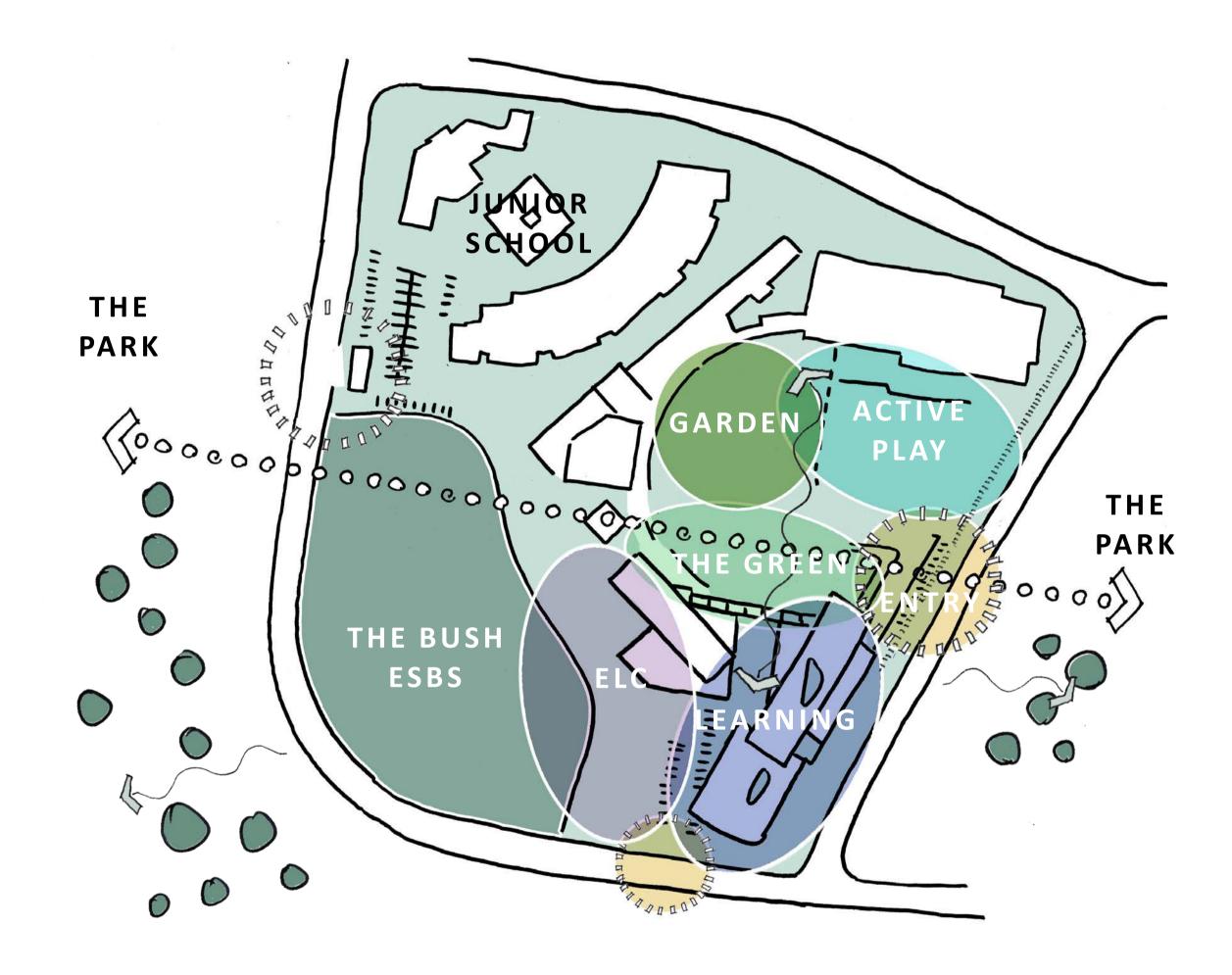


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STAGE 1 STAGE 2









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SECURITY STRATEGY

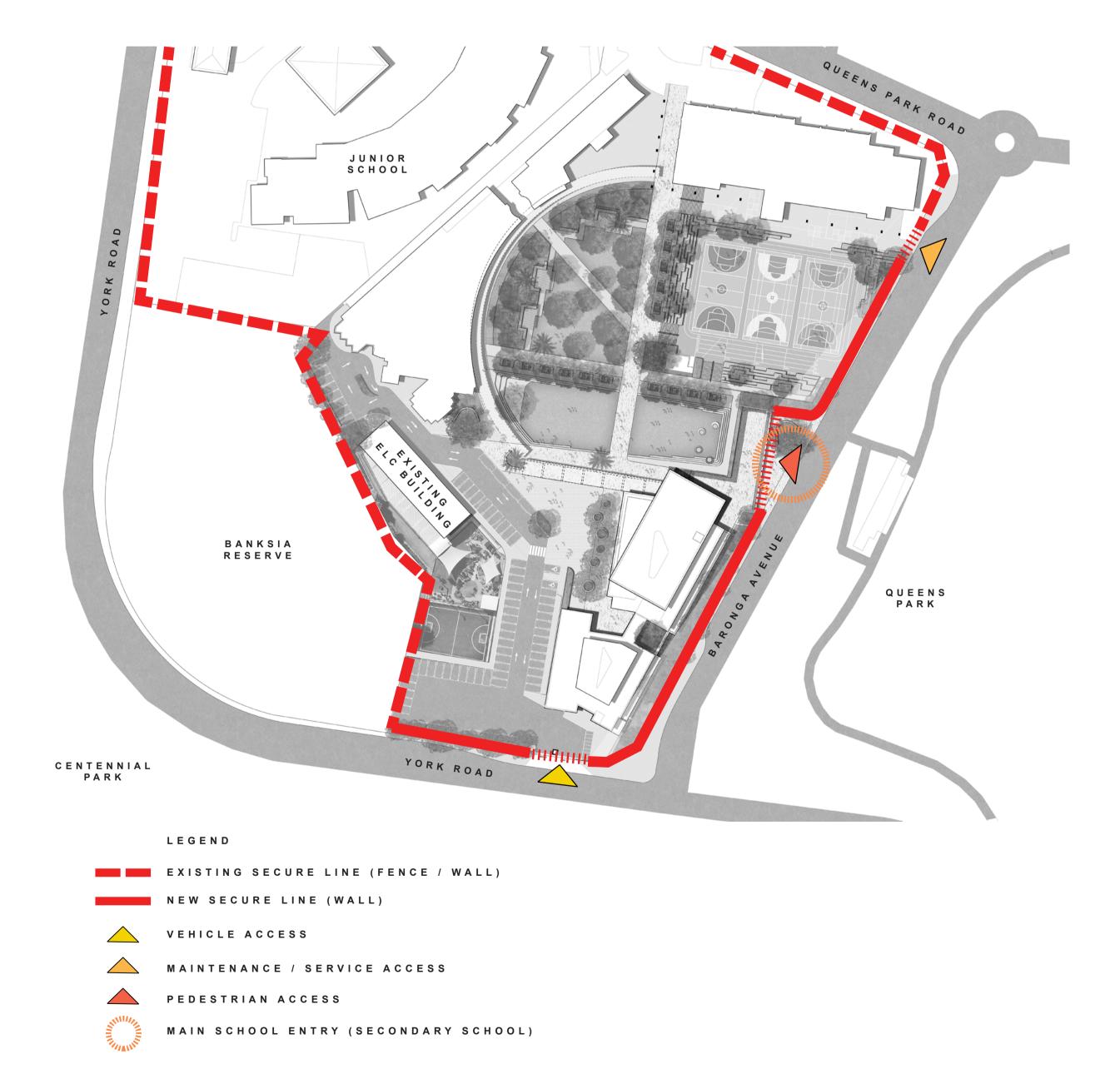
The legibility of the campus relates to its overall spatial structure, particularly the pattern of open spaces and the clarity of the network of paths and entries that innately guide movement and orientation. Legibility of the campus for the benefit of all students, staff and visitors through:

Clear and welcoming campus entries / address points and links to surrounding amenities (public transport etc)

- Clarity of paths and routes throughout the campus
- Clear definition of open space and function
- Achievement of good sight lines and visual connections
- High quality consistent signage across the campus

Clear connections between campus entrances and functional areas are fundamental. The development of a legible campus supports and improves the security and sense of safety for staff, students and visitors. Provision of clear sightlines, lighting and points of entries will improve passive surveillance of the campus and broader security.

Additional security treatments through perimeter fencing and wall treatments will provide physical protection to the school and improve legibility of secure entries.



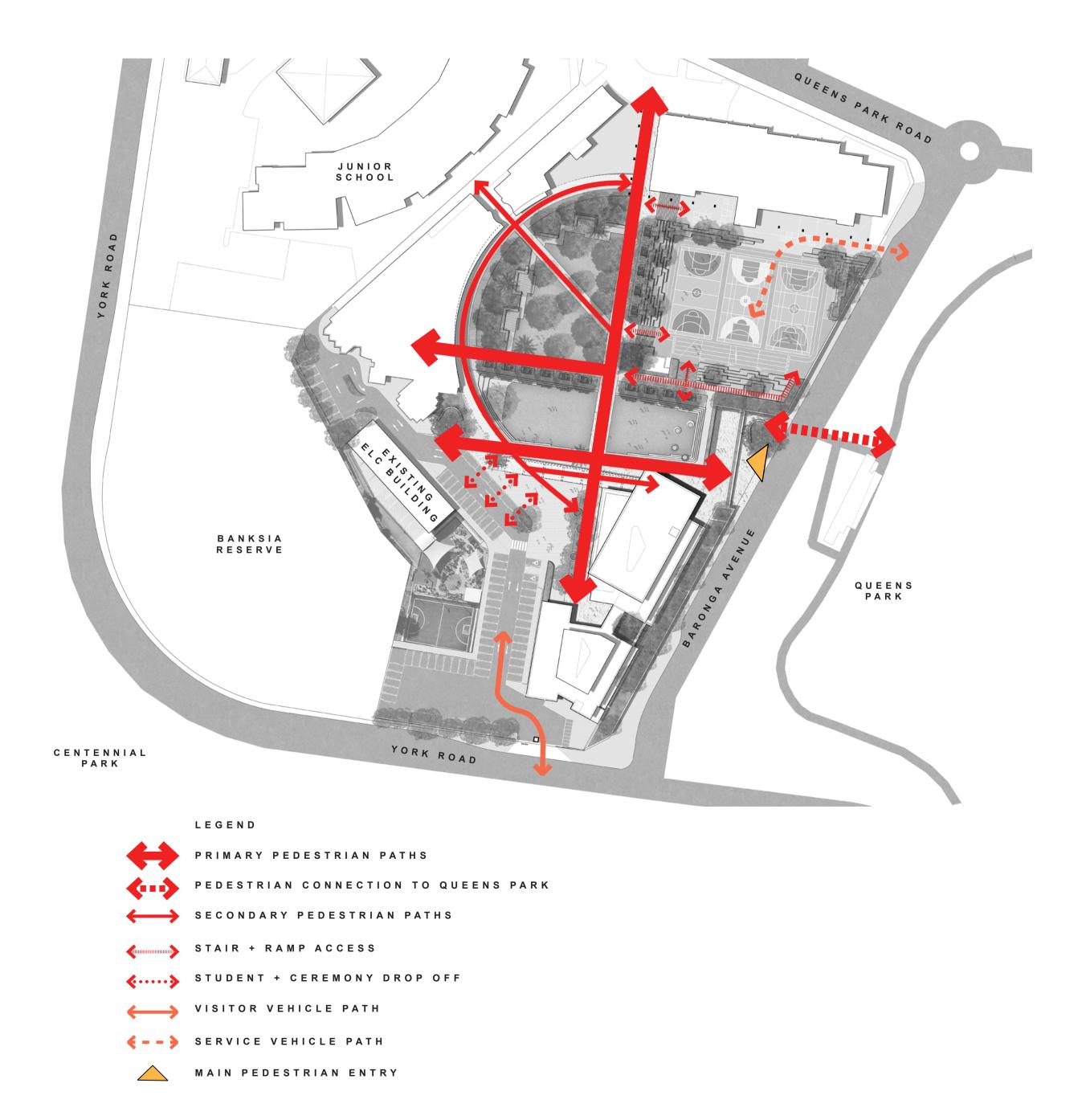
CIRCULATION STRATEGY

The sense of place of Moriah College is to be improved by supporting and enhancing its identity through respectful design. Existing physical features which already characterise the campus are to be supplemented with new memorable places to create a high quality and functional campus environment.

The legibility of the campus relates to its overall spatial structure, particularly the pattern of open spaces and the clarity of the network of paths and destinations. Legibility is to be reinforced by a series of spaces;

- Major gathering spaces (lawns, courts)
- Supportive gathering spaces (terraces, amphitheatres)
- Connective spaces for movement around the campus
- Contemplative spaces for quiet retreat and study

These areas will increase the quantum of open space, provide new foci in the spatial structure and life of the campus, and emphasise campus entrances. Clear connections between campus entrances and functional areas are fundamental.









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CANOPY COVERAGE ANALYSIS

The following diagrams illustrate the existing canopy coverage to the senior school, and proposed canopy coverage for both Stage 1 and Stage 2 landscape works. The diagrams also provide an area calculation of net canopy coverage.

The proposed ladscape works achieve an increase canopy coverage of 4,140m² at the completion of Stage 2.



EXISTING SITE

25800m² Total Site Area 3860m² Canopy coverage 15% Canopy coverage of Total Site



STAGE 1

25800m² Total Site Area 6640m² Canopy coverage 26% Canopy coverage of Total Site

New Trees: 96



STAGE 2

25800m² Total Site Area 8000m² Canopy coverage 31% Canopy coverage of Total Site

New Trees: 112



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LANDSCAPE AREA ANALYSIS

The following diagrams illustrate the existing landscape (lawn + garden) coverage to the senior school, and proposed landscape coverage for both Stage 1 and Stage 2 landscape works. The diagrams also provide an area calculation of net landscape coverage.

The proposed ladscape works achieve an increase landscape coverage of 500m². at the completion of Stage 2.



EXISTING SITE

25800m² Total Site Area 4440m² Landscape coverage 17% Landscape coverage of Total Site



STAGE 1

25800m² Total Site Area 4340m² Landscape coverage 17% Landscape coverage of Total Site



STAGE 2

25800m² Total Site Area 4940m² Landscape coverage 19% Landscape coverage of Total Site



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OPEN SPACE AREA ANALYSIS

The following diagrams illustrate the existing usable open space area available to the senior school students, and proposed open space area for both Stage 1 and Stage 2 landscape works. The diagrams also provide an area calculation of net open space area.

The proposed ladscape works achieve an increase open space area of 4,520m² at the completion of Stage 2.



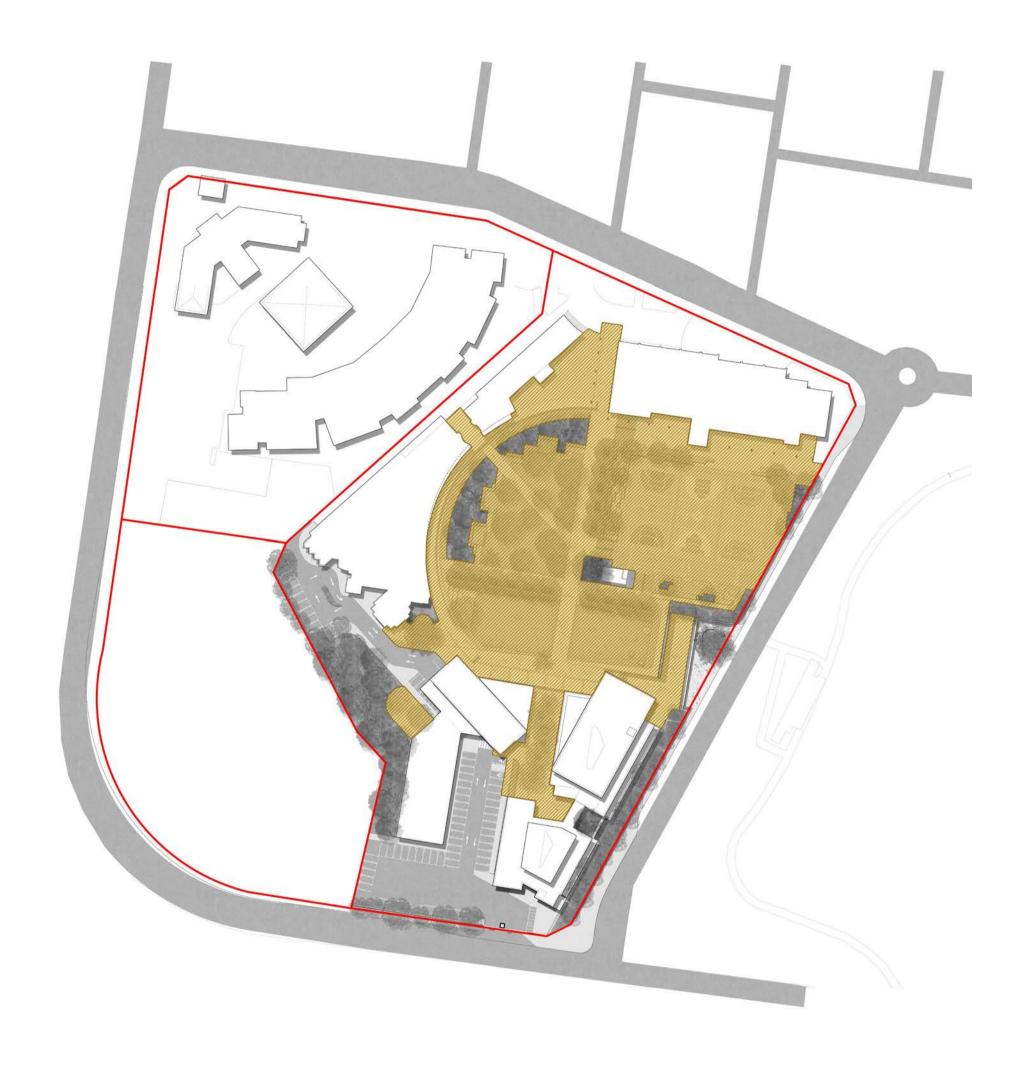
EXISTING SITE

25800m² Total Site Area 8760m² Open Space coverage 34% Open Space of Total Site



STAGE 1

25800m² Total Site Area 14580m² Open Space coverage 56% Open Space of Total Site



STAGE 2

25800m² Total Site Area 13280m² Open Space coverage 51% Open Space of Total Site



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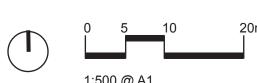


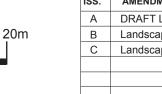
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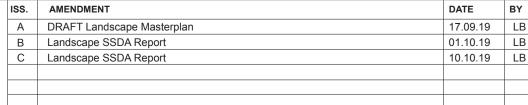
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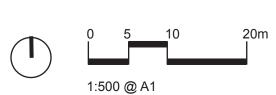
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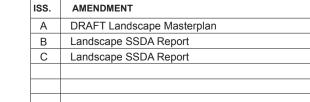
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STAGE 1A - LANDSCAPE MASTERPLAN MCMSC - MORIAH COLLEGE

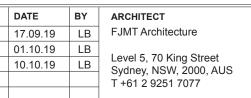












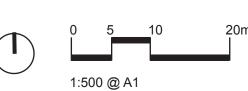


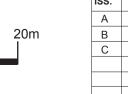
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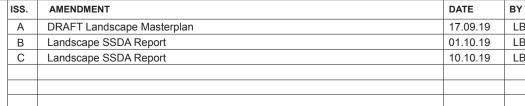
STAGE 1B - LANDSCAPE MASTERPLAN MCMSC - MORIAH COLLEGE











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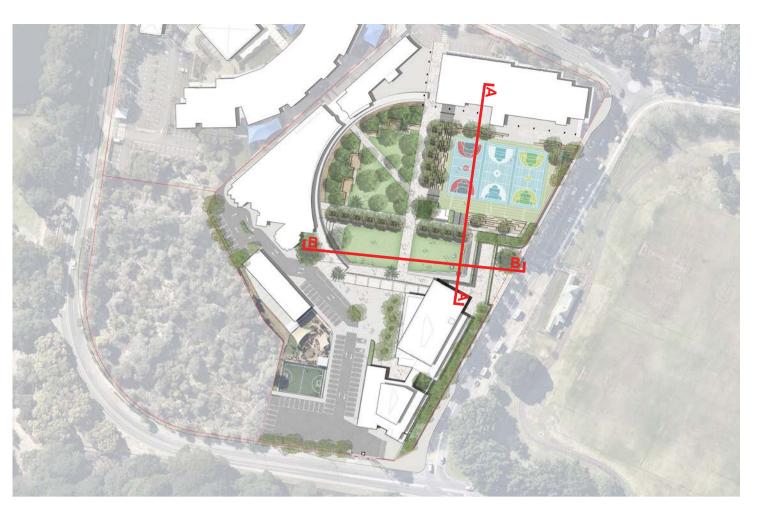
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STAGE 2 - LANDSCAPE MASTERPLAN

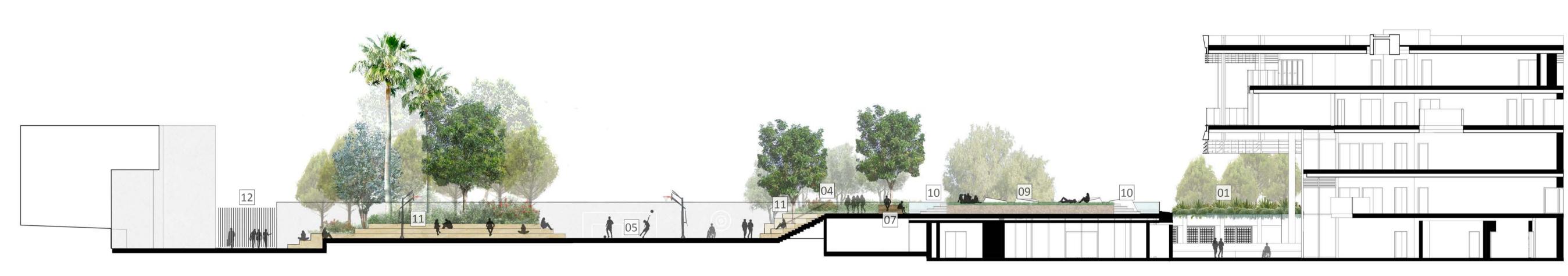
PROJECT

MCMSC - MORIAH COLLEGE

- 1 MAIN SCHOOL ENTRY GATES OFF BARONGA AVENUE
- 2 PUBLIC FORECOURT TO SCHOOL ENTRY WITH LARGE CULTURALLY SIGNIFICANT FEATURE TREE AND SEATING AROUND
- 3 INTERNAL FORECOURT TO SCHOOL TO ACCOMMODATE GATHERINGS FOR EVENTS AND ENGAGEMENTS, AS WELL AS DAILY SCHOOL ACTIVITY AND STUDENT ARRIVALS.
- LANDSCAPE EDGE PLANTED WITH NATIVE GRASSES AND SHRUBS
- FORMAL SPORTS COURTS (PAINTED CONCRETE)
- CENTRAL SCHOOL CONCOURSE AND AXIS PATH
- RAISED SEATING PLATFORMS WITH MIXED SEATING OPPORTUNITY FOR GROUP AND INDIVIDUAL USE ACCENTED BY CENTRAL GARDEN BEDS
- 8 AVENUE OF TREES WHICH STRENGTHEN THE AXIAL PATH CONNECTIONS WHILE PROVIDING SHADE TO SEATING AND SEPARATION BETWEEN FUNCTIONAL USES OF THE CAMPUS
- 9 LARGE CENTRAL LAWN PROVIDING STUDENTS WITH SPACE FOR SOCIAL GATHERING, PLAY AND RESPITE. THE CENTRAL LAWN WILL ALSO SUPPORT SCHOOL EVENTS, PERFORMANCES, ASSEMBLIES AND CEREMONIES
- 10 RAISED EASTERN END OF LAWN PROVIDES TERRACED SEATING WITH VIEWS OF QUEENS PARK
- 11 TERRACED PLATFORMS OF VARYING WIDTHS AND SIZES FOR VARIED GROUP SEATING, CLASS ADDRESS, AND SPECTATING
- 12 MAINTENANCE AND SERVICE VEHICLE ACCESS GATES



KEY PLAN

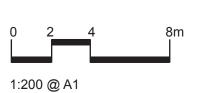


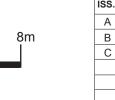
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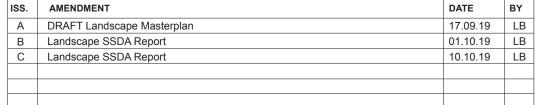


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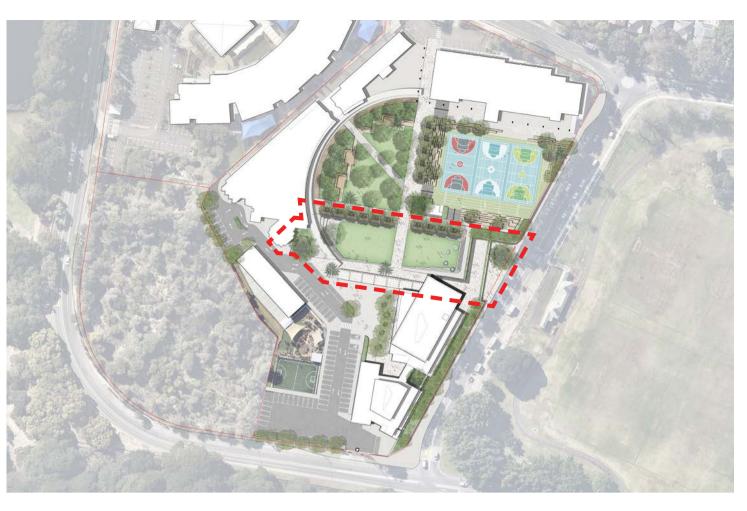
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- 8 AVENUE OF TREES WHICH STRENGTHEN THE AXIAL PATH CONNECTIONS WHILE PROVIDING SHADE TO SEATING AND SEPARATION BETWEEN FUNCTIONAL USES OF THE CAMPUS
- 9 LARGE CENTRAL LAWN PROVIDING STUDENTS WITH SPACE FOR SOCIAL GATHERING, PLAY AND RESPITE. THE CENTRAL LAWN WILL ALSO SUPPORT SCHOOL EVENTS, PERFORMANCES, ASSEMBLIES AND CEREMONIES
- 10 RAISED EASTERN END OF LAWN PROVIDES TERRACED SEATING WITH VIEWS OF QUEENS PARK

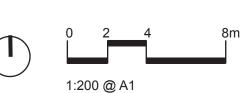
- 11 SUNKEN TERRACE TO INFORMAL PERFORMANCE SPACE AND POINT OF ADDRESS PROVIDES ADDITIONAL SEATING OPPORTUNITY AND NECESSARY TOPOGRAPHY FOR A FUNCTIONAL AMPHITHEATRE
- 12 INTERNAL SCHOOL DROP OFF, AND CEREMONIAL PRECESSION COURT ADJACENT THE EXISTING SCHUL AND PROPOSED LAWN
- 13 FEATURE CEREMONIAL TREE WITH CURVED PERIMETER SEAT
- 14 NEW INTERNAL SERVICE ROAD AND PARKING
- 15 EXISTING AWNING TO BE RETAINED
- CULTURALLY SIGNIFICANT INTERPRETIVE ARTWORK AND INFORMATION TO THE PUBLIC FACING PERIMETER WALL. ARTISTIC REPRESENTATION OF THE SCHOOLS 5 CORE VALUES, COMMITMENT, RESPECT, KINDNESS, INTEGRITY, RESPONSIBILITY.
 - ADDITIONALLY THE WALL ART WILL REPRESENT THE CROSS CULTURAL NARRATIVE OF INDIGENOUS, AUSTRALIAN AND JEWISH CULTURES
- 17 PLANTING OF CULTURALLY SIGNIFICANT PHOENIX CANARRIENSIS (DATE PALM)

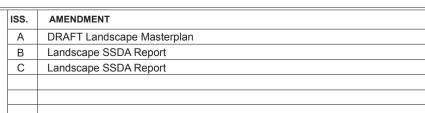


KEY PLAN









 DATE
 BY
 ARCHITECT

 17.09.19
 LB
 FJMT Architecture

 01.10.19
 LB
 Level 5, 70 King Street

 10.10.19
 LB
 Sydney, NSW, 2000, AUS

 T +61 2 9251 7077
 T +61 2 9251 7077

fjmt

IMPORTANT NOTES:

Architect
If dimensions in mm unless otherwise stated.

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Cale Government Regulations.

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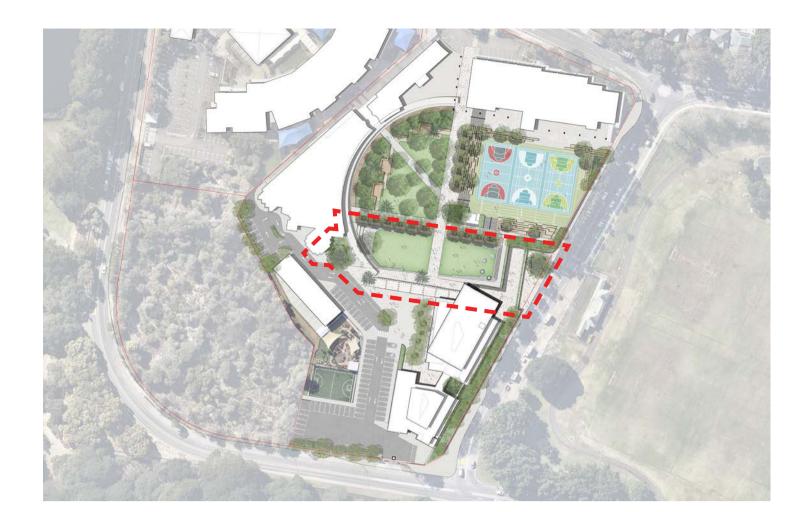
 MORIAH COLLEGE
 LB

 Queens Park Rd,
 Queens Park NSW 2022

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DWG. TITLE
CENTRAL LAWN - DETAILED LANDSCAPE PLAN
PROJECT
MCMSC - MORIAH COLLEGE



KEY PLAN

The Central Green forms the heart of the campus, conveying students between classes, accommodating outdoor learning, supporting social spaces and facilitating ceremonial gatherings, assembly and performances.

Adjacent to key access routes, slow speed - movement on edges, the lawn provides multiple opportunities for seating, both on the lawn and the perimeter edge while a diagonal path enables direct pedestrian movement across site. The lawn gently tilts from east to west creating a subtle amphitheatre, with the level change at the perimeter creating terraces, raised at the eastern end strengthening views and connection to Queens park, and sunken at the western end to create a stage/dais to support performance and ceremonial events.

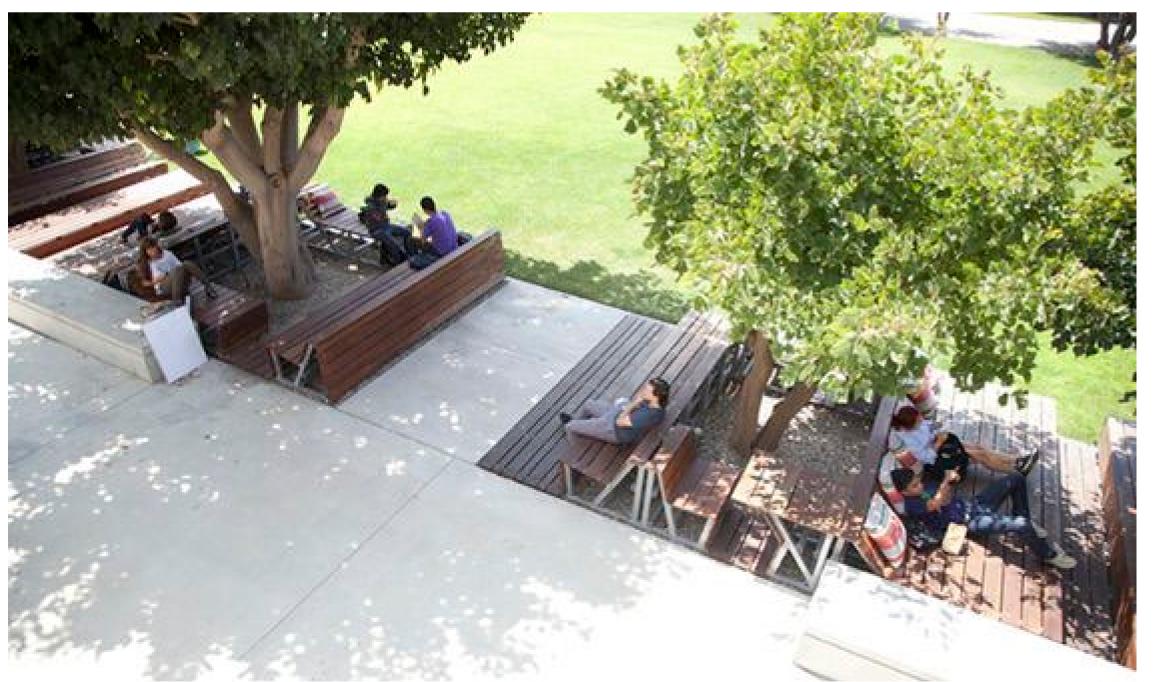
Complementary to the central lawn is a an spine of informal and playful seating opportunities beneath an avenue of native tree planting. These seats provide a central congregation point with direct connection to the lawn. This combination of spaces enables various activities to be undertaken, including study, social gathering, events, classes and performances. Each contributing to a vibrant and social campus heart.

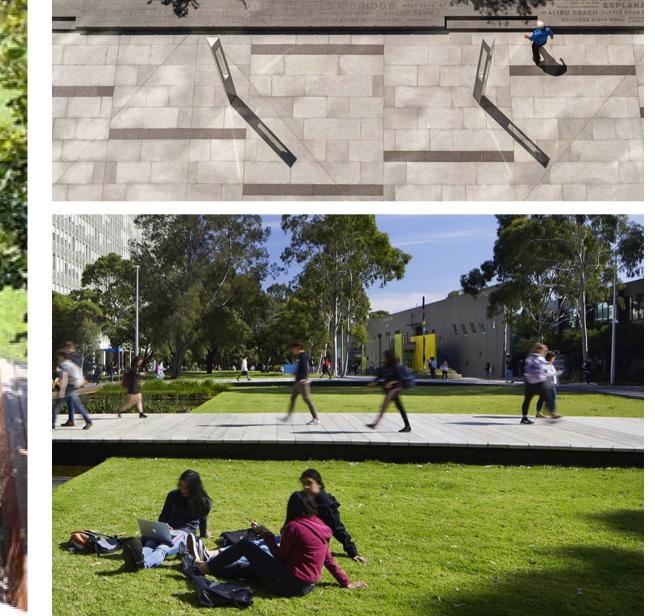














ISS.	AMENDMENT	DATE	BY
Α	DRAFT Landscape Masterplan	17.09.19	LB
В	Landscape SSDA Report	01.10.19	LB
С	Landscape SSDA Report	10.10.19	LB

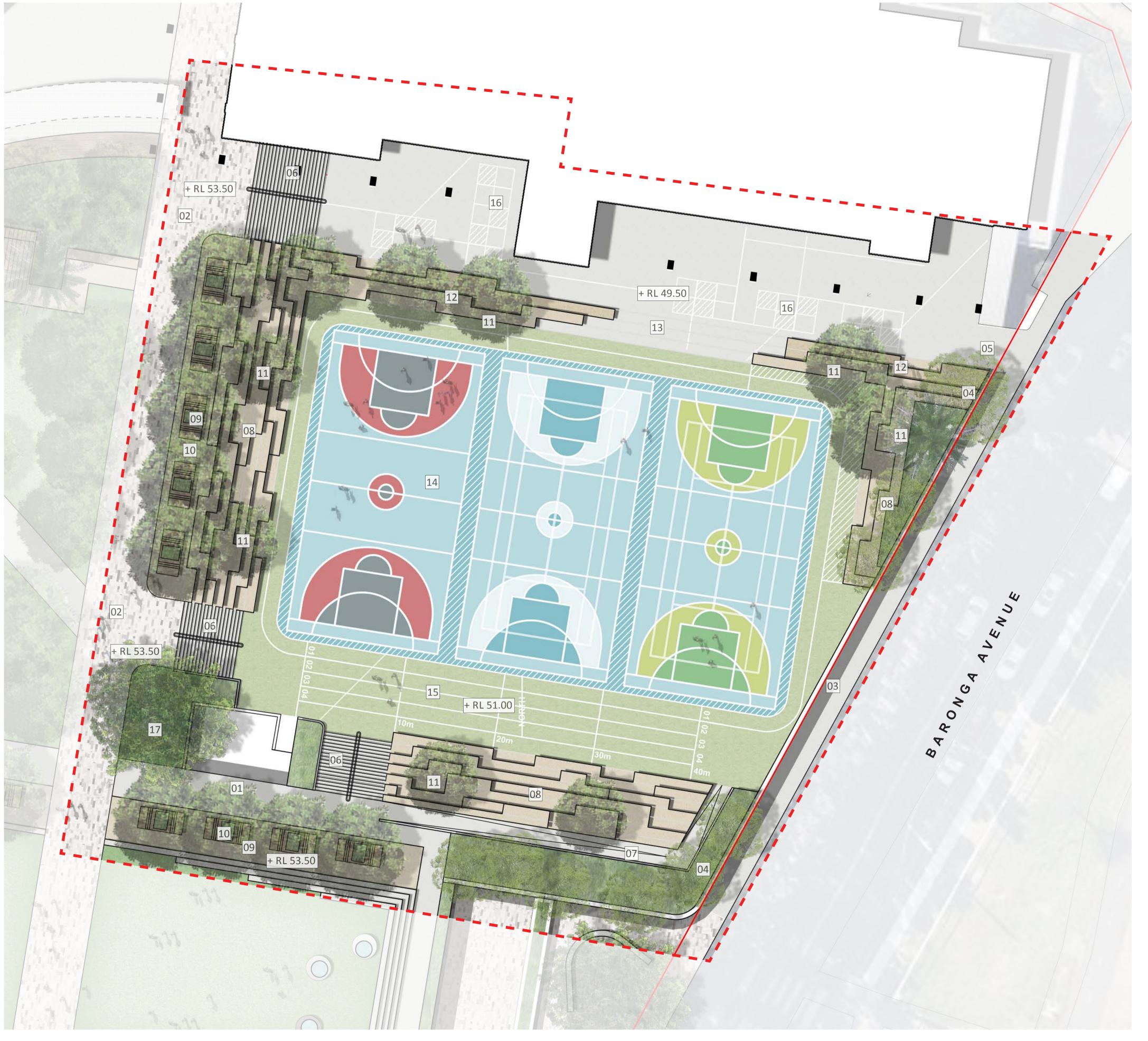
ARCHITECT
FJMT Architecture

Level 5, 70 King Street
Sydney, NSW, 2000, AUS
T +61 2 9251 7077



IMPORTANT NOTES:

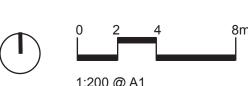
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	Queens Park NSW					
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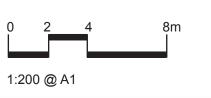




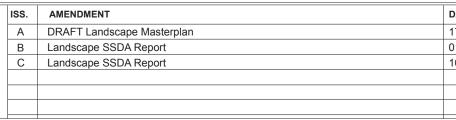
KEY PLAN

- EXISTING SUBSTATION BUILDING
- CENTRAL SCHOOL CONCOURSE AND AXIS PATH
- PERIMETER SECURITY WALL TO SCHOOL CAMPUS WITH INTEGRATED CULTURAL NARRATIVE AND ARTISTIC REPRESENTATION OF THE SCHOOLS 5 CORE VALUES
- LANDSCAPE EDGE PLANTED WITH NATIVE GRASSES AND SHRUBS
- MAINTENANCE AND SERVICE VEHICLE ACCESS GATES
- STAIR ACCESS DOWN TO PLAYING COURTS
- RAMP ACCESS TO PLAYING COURTS
- TERRACED PLATFORMS OF VARYING WIDTHS AND SIZES FOR VARIED GROUP SEATING, CLASS ADDRESS, AND SPECTATING
- RAISED SEATING PLATFORMS WITH MIXED SEATING OPPORTUNITY FOR GROUP AND INDIVIDUAL USE ACCENTED BY CENTRAL GARDEN BEDS
- 10 AVENUE OF TREES WHICH STRENGTHEN THE AXIAL PATH CONNECTIONS WHILE PROVIDING SHADE TO SEATING AND SEPARATION BETWEEN FUNCTIONAL USES OF THE CAMPUS
- 11 TREES WITHIN TERRACES TO PROVIDE SHADE
- 12 EXTENSION OF TERRACES TO LEVEL TRANSITION BETWEEN SPORTS COURTS AND LOWER HANDBALL COURTS
- 13 RAMPED ACCESS UP TO COURTS FOR SERVICE VEHICLE ACCESS
- FORMAL SPORTS COURTS (PAINTED CONCRETE) 3 X PAINTED BASKETBALL/NETBALL COURTS AND 2 X TENNIS COURTS. PROVISION FOR NETTING TO BE DRAWN ACROSS AND SEPARATE COURTS
- INFORMAL SPORTS (ARTIFICIAL LAWN), WITH VARIED LINE MARKINGS FOR INTERPRETIVE PLAY, GAMES, AND APPLIED TEACHING
- HANDBALL COURTS AND LINE MARKING (PAINTED CONCRETE)
- LARGE CULTURALLY SIGNIFICANT SHADE TREE







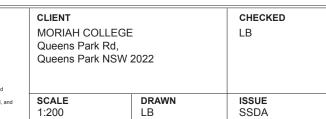






IMPORTANT NOTES:

Do not scale from drawings







KEY PLAN

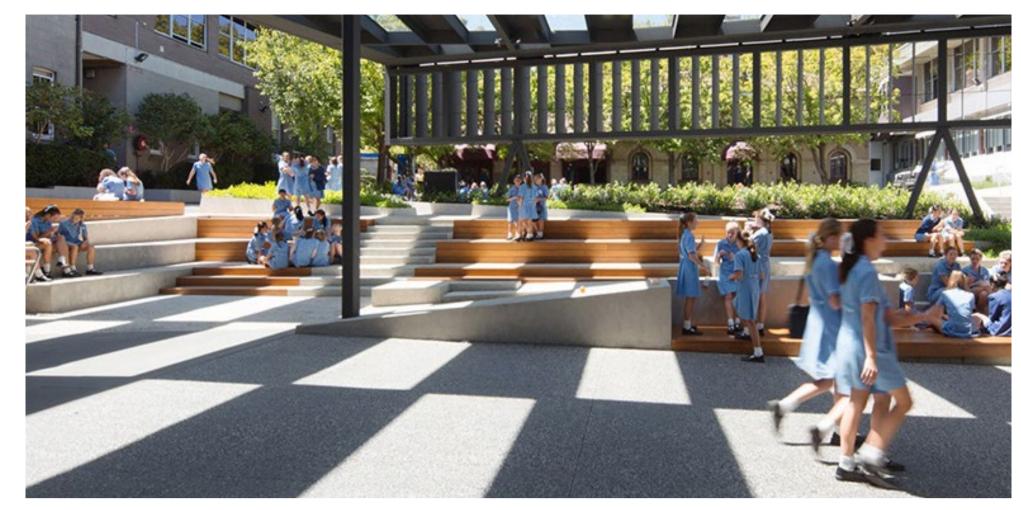
The campus masterplan and delivery of the new STEAM building provides an opportunity to establish a central active sports centre for the school, consolidating all sports courts into a single location. The active centre replaces 2 existing courts located adjacent the existing school gymnasium/pool building, enabling direct relationship to the building function, and positioning all the schools active pursuits away from passive use spaces, such as classrooms, library, gardens/lawns etc.

Restoration of the existing sports courts includes expansion from 2 to 3 courts, incorporation of 2 x tennis courts to replace the existing courts lost from the new building construction, introduction of retractable netting to separate the courts, new high quality surface finish and multi court line marking, including;

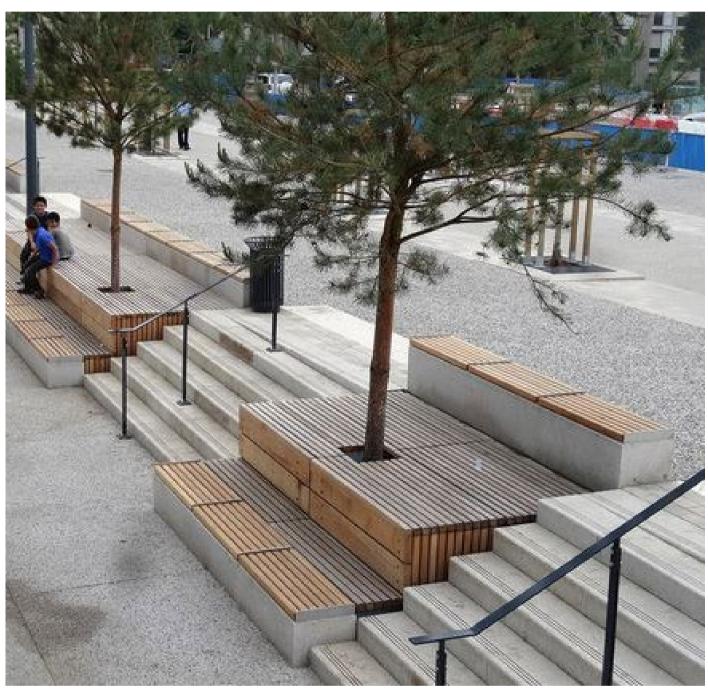
- Tennis (2 courts)
- netball (3 courts)
- basketball (3 courts)
- volleyball (3 courts)
- badminton (3 courts) hockey (1 court)

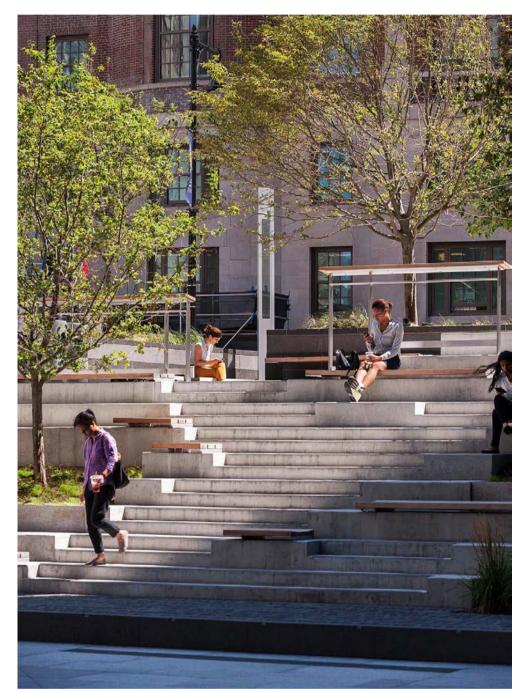
This is a flexible court for a variety of sports and games. The adjacent terraces are transacted by an equal access ramp and a series of bleachers primarily for observing sport but also for group learning and assemblies. Seating is provided all around the court and retractable netting will contain ball play.

A series of terraces are incorporated to accommodate the varied level change from the courts up to the main campus gardens. The guiding element and identity of the design are the 'quarry terraces' that connect all levels of the school. Sandstone quarry blocks will be used to define the terraces which are abstracted and manipulated to provide various opportunities for structured and unstructured play, outdoor learning, class address, spectating, and social gathering. These terraces also form a cultural representation of material and spatial arrangement.







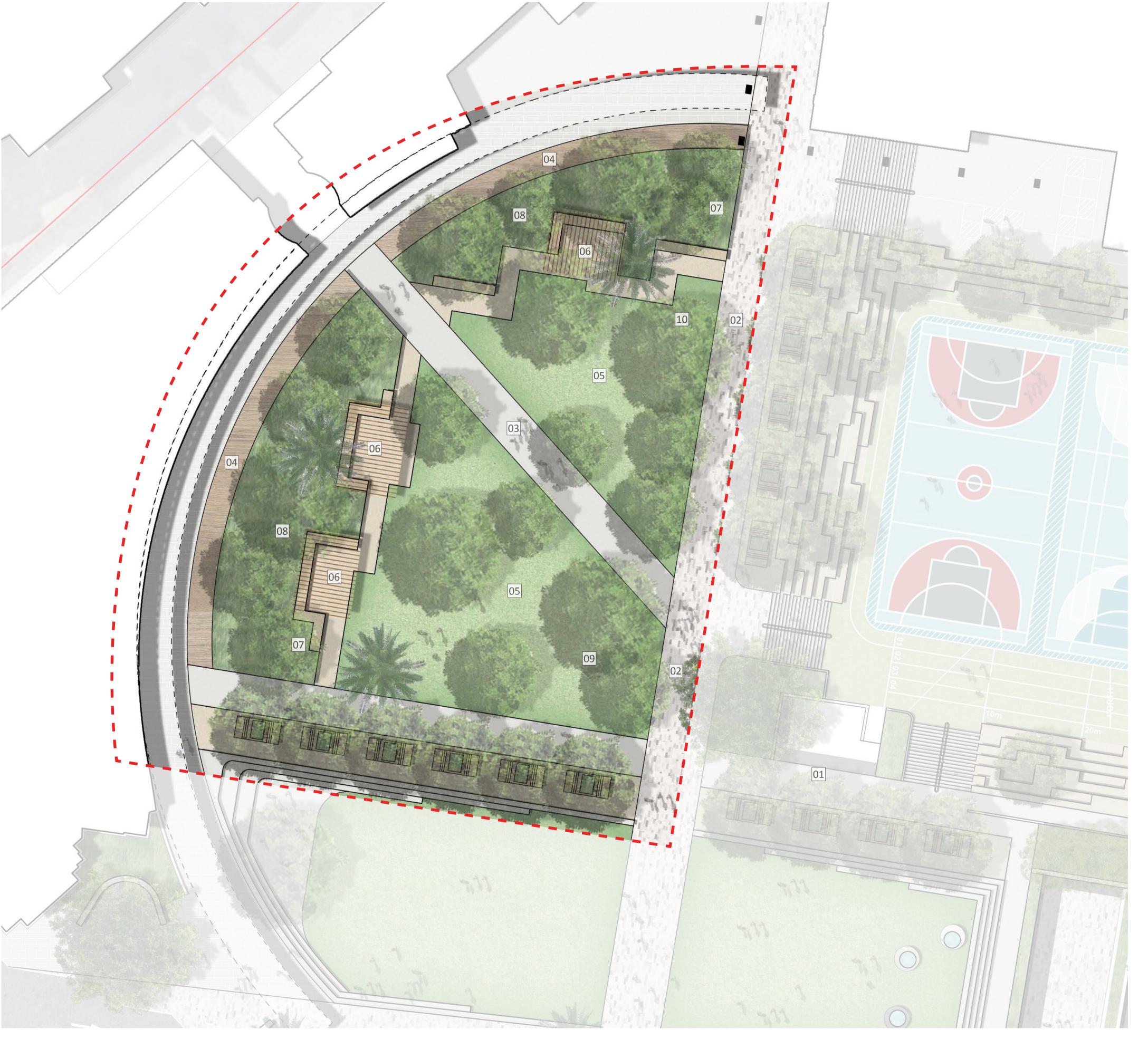


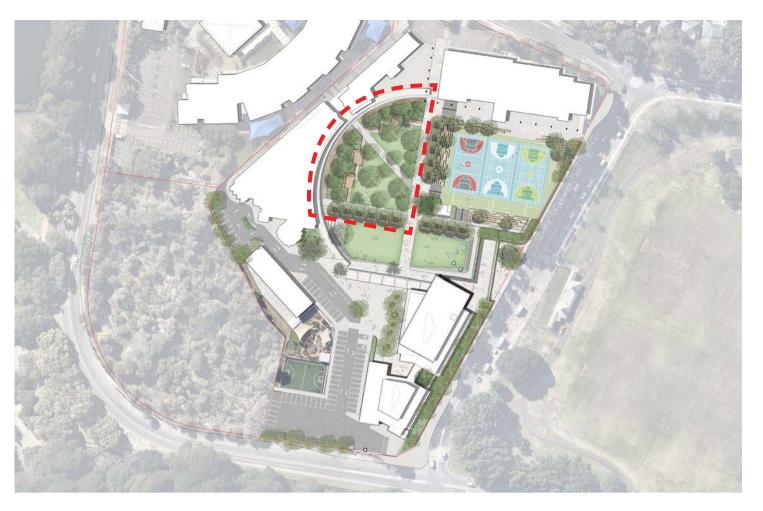












KEY PLAN

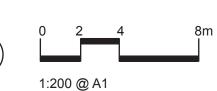
EXISTING SUBSTATION BUILDING

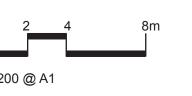
REFLECTION GARDEN

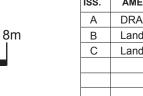
- CENTRAL SCHOOL CONCOURSE AND AXIS PATH
 - MAINTAIN EXISTING PATH CONNECTION BETWEEN SCHOOL AND ACTIVE COURTS
- LONG AND DEEP PERIMETER BENCH PROVIDES STUDENTS WITH ADDITIONAL SEATING AND GATHERING SPACE ADJACENT CLASS ROOMS. IT ALSO PROVIDES A BARRIER TO STUDENT MOVEMENT THROUGH THE GARDENS
- LARGE CENTRAL LAWN SET WITHIN THE GARDENS COLONISED BY AN ARBORETUM OF CULTURALLY AND ENVIRONMENTALLY SIGNIFICANT TREE SPECIES. PROVIDE OPPORTUNITIES FOR RESPITE AND EDUCATION
- SEATING SPACES WITH LIGHTWEIGHT SHADE STRUCTURES OFFER OPPORTUNITY FOR EXTERNAL CLASSES AND PRACTICAL TEACHINGS. SECONDARY FUNCTION OF CULTURAL CEREMONIES
- PRODUCTIVE GARDEN TO PROVIDE AN ENGAGING PLATFORM FOR SCIENTIFIC EDUCATION, EDUCATING STUDENTS ON THE PROCESS ASSOCIATED WITH FOOD PRODUCTION
- SITE STORMWATER. PROVIDES ADDITIONAL OPPORTUNITY FOR EDUCATION OF NATURAL SYSTEMS RELOCATION OF EXISTING MAGEN DAVID DIVERSITY GARDEN TO WITHIN

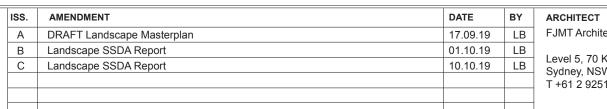
LINEAR RAIN GARDEN ADJACENT THE MAIN CONCOURSE TO CAPTURE AND FILTER

MUNICH II MEMORIAL SITE TO BE RETAINED/RELOCATED WITHIN REFLECTION











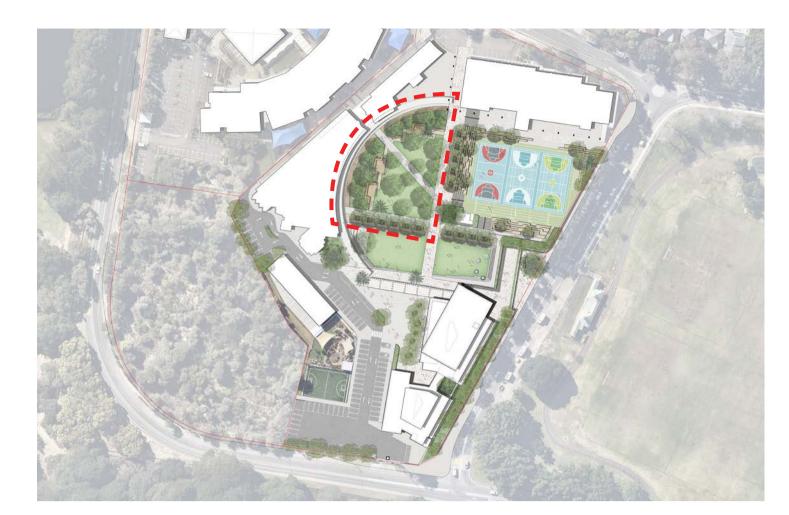


IMPORTANT NOTES:
Do not scale from drawings
All discrepancies to be brought to the attention of the Lands
Larger scale drawings and written dimensions take preferer
All tree dimensions and RLs in metres.
Use fourered dimensions only

MORIAH COLLEGE Queens Park Rd, Queens Park NSW 2022

ISSUE SSDA

REFLECTION GARDEN - DETAILED LANDSCAPE PLAN MCMSC - MORIAH COLLEGE



KEY PLAN

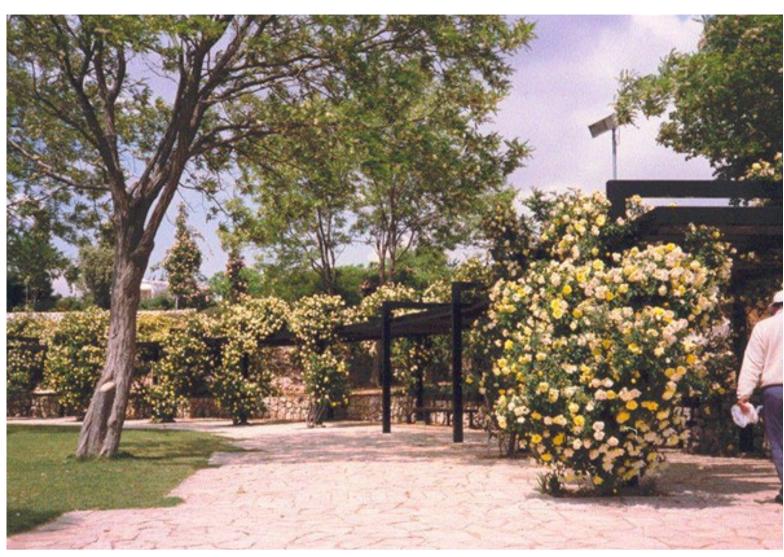
This is a distinctive landscape learning space. It is a 'physic garden' where students can grow edible, medicinal and functional plants and test their theoretical knowledge in practical applications.

In support of the campus concept of learning through biophilia the planting scheme will be a continuous green space 'park to park', implemented as a cultural arboretum. A mix of new deciduous and evergreen trees of various scales are selected to replace lost canopy of existing trees to be removed and will provide a more suitable and new green amenity, solar access and shade relative to the built form. Together with new shrubs and groundcovers the planting scheme will supplement the lessons of the classroom through practical application within the garden and to illustrate the diverse value of the plant kingdom. Every plant species will be purposeful and will be arranged variously as companions as well as organized by their application, such as

- medicinal (pharmaceutical and 'traditional')
- functional (for example, clothes, rope)
- cultural (for example, religious or ceremonial with a focus on local traditional aboriginal and colonial use)
- environmental benefit (air and water quality)

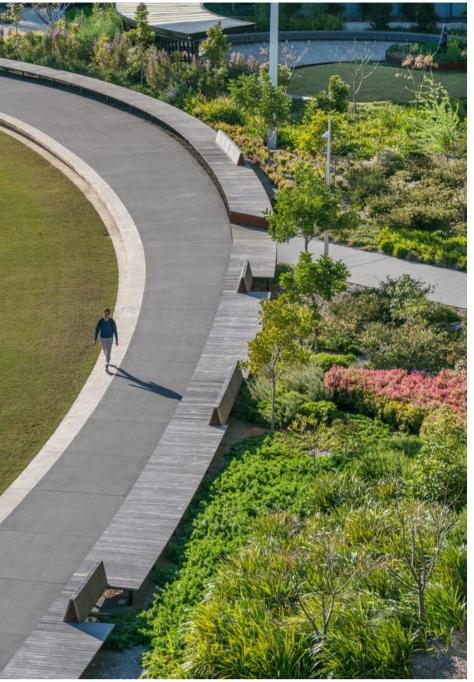
Shaded, seated teaching zones are provided for lessons, which also support cultural use and ceremonial gathering.

The design references the schools cultural history and will be infused with elements, details, materials and planting that reflect the cultural teachings, site's indigenous and ecological significance, as well as its global future as a benchmark of progressive, multi-cultural learning.











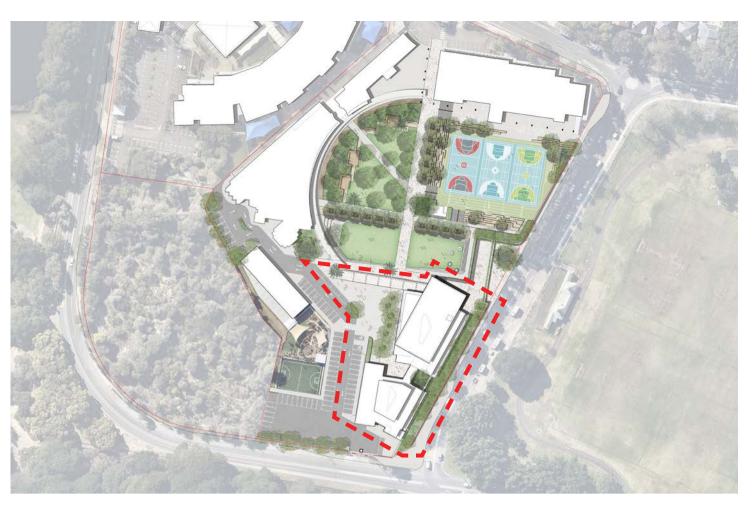






IMPORTANT NOTES:



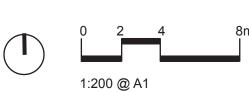


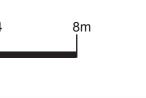
KEY PLAN

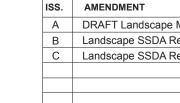
- PERIMETER LANDSCAPE TREATMENT AND TREE PLANTING TO BARONGA AVENUE FRONTAGE
- INTERNAL COURTYARD GARDEN WITH VISUAL CONNECTION TO QUEENS PARK
- CONTINUATION OF SCHOOL CONCOURSE PAVING TO STRENGTHEN AXIAL ALIGNMENT AND CONNECTION TO THE NEW BUILDING
 - NEW AWNING CONNECTING THE NEW BUILDING WITH THE DROP-OFF POINT
- INTERNAL SCHOOL DROP OFF, AND CEREMONIAL PRECESSION COURT ADJACENT THE EXISTING SCHUL AND PROPOSED LAWN
- BUILDING FORECOURT (TEMPORARY UNTIL CONSTRUCTION OF STAGE 2) RAISED PLANTERS WITH SEATING EDGE AND DECIDUOUS TREES TO BUILDING
- STUDENT GATHERING SPACE WITH SEATING AND TABLES SUPPORTING CLASS RECESS AND OUTDOOR LEARNING OPPORTUNITIES INCLUDING STUDY
- OUTDOOR TERRACE TO LIBRARY

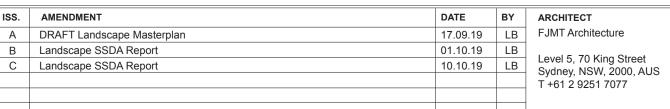
ATRIUM

RAISED GARDEN FOOTPATH EDGE TO NEGOTIATE SPLIT LEVELS OF BUILDING ATRIUM AND NEW INTERNAL RD/PATH







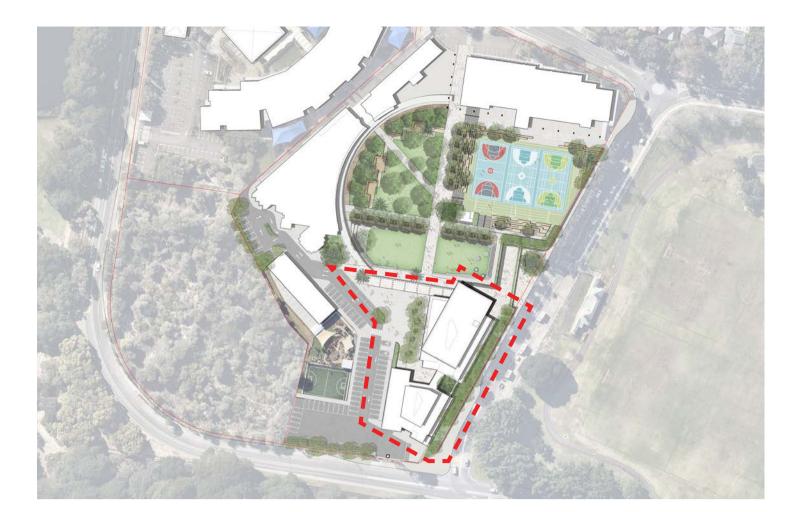






MORIAH COLLEGE Queens Park Rd, Queens Park NSW 2022 ISSUE SSDA

BUILDING + ATRIUM GARDENS - DETAILED LANDSCAPE PLAN MCMSC - MORIAH COLLEGE



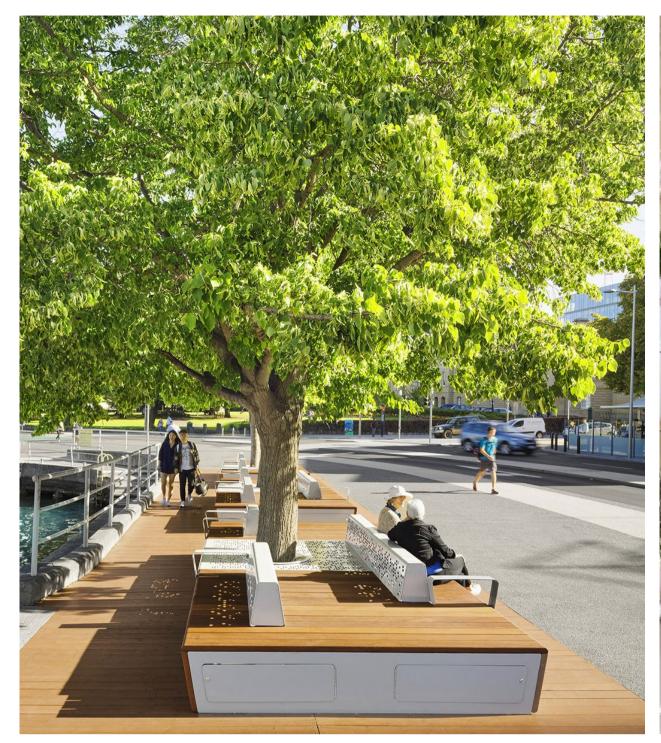
KEY PLAN

This is the highly active heart of the campus defined by the nexus of the internal Street drop-off, the exiting curved walkway and the through-site for the Baronga Avenue Campus entry. The space provides access and connection to the central green, the main learning building, the canteen, the main spine of steps that leads to the school entry, and the central path that connects other landscape zones of the campus.

The space is flexible and adaptable to provide an external space where by teachers can conduct informal classes that enable students to test theoretical knowledge in practical applications.

As this area is also identified for delivery of Stage 2 new building works, the extent of landscape treatment has been considered to facilitate these future works.

Along the Baronga Avenue frontage, a significant landscape treatment is incorporated to provide a landscape address and public interface. The species will consist predominantly of natives, representative of the adjacent Banksia reserve, Centennial Park, and Queens Park. The distinctly green campus will provide a unified landscape precinct, with strong physical and ecological connections to the surrounding parklands.















ISS.	AMENDMENT	DATE	ву
Α	DRAFT Landscape Masterplan	17.09.19	LB
В	Landscape SSDA Report	01.10.19	LB
С	Landscape SSDA Report	10.10.19	LB

ARCHITECT FJMT Architecture Level 5, 70 King Street Sydney, NSW, 2000, AUS T +61 2 9251 7077



TES:	CLIENT
on of the Landscape Architect ns take preference. All dimensions in mm unless otherwise stated.	MORIAH COLLEC Queens Park Rd,
mencement of any works. ces prior to construction. with ASA, BCA and Local Government Regulations. er's Specifications. ubject to Hydraulic Engineer's Specifications. In amoner by Qualified Tradesman according to Landscape Drawings and	Queens Park NSV
	SCALE

BUILDING + ATRIUM GARDENS - LANDSCAPE SUMMARY MCMSC - MORIAH COLLEGE



KEY PLAN

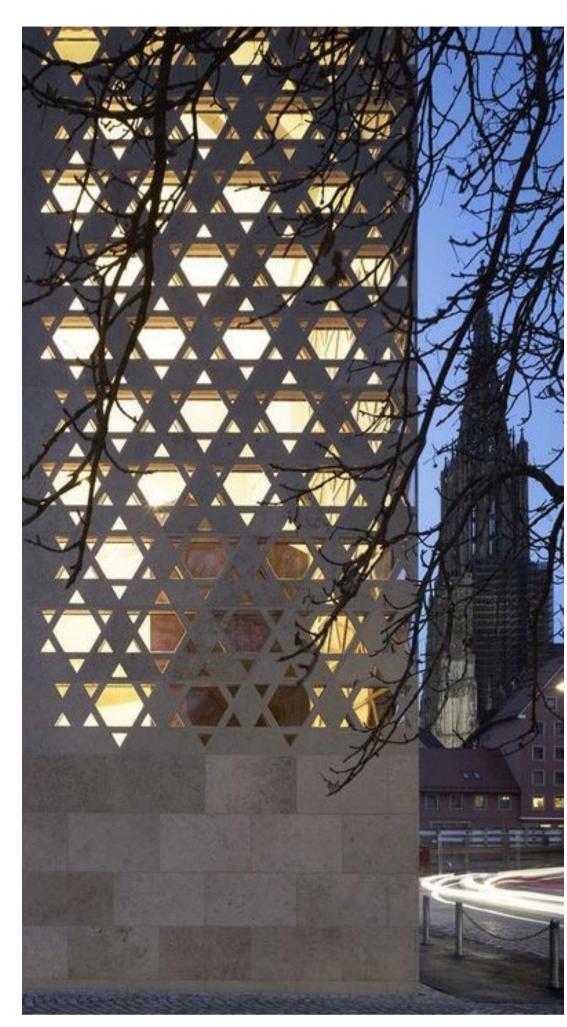
The design references the schools cultural teachings and will be infused with elements, details, materials and planting that reflect the religious identity, the sites indigenous and ecological significance, Australian cultural history as well as its global future as a benchmark of progressive, multi-cultural learning.

A significant public art contribution is proposed at the schools main entry and along the wall frontign Baronga Avenue. This cultural narrative will illustrate the 5 core values of the school;

- Commitment,
- Respect,
- Kindness,
- Integrity, and - Responsibility.

Supported through significant planting species within the campus, the design will also explore the cross cultural narrative between Jewish, Australian and Indigenous culutres, providing a platform for both the school and the public to engage, bridging

the gap of understanding and extending the conversation beyond the campus.



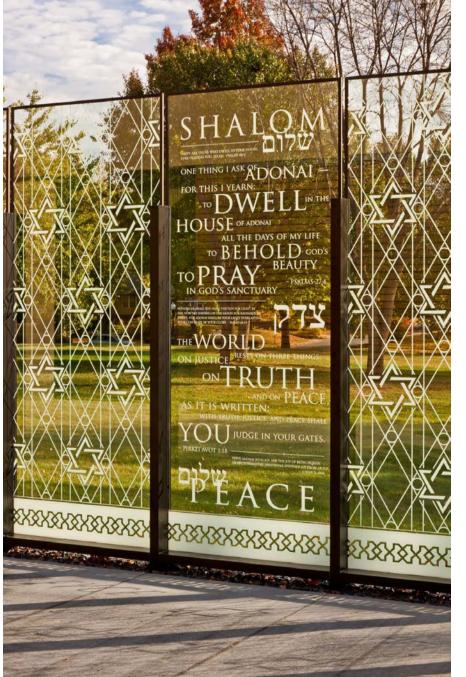


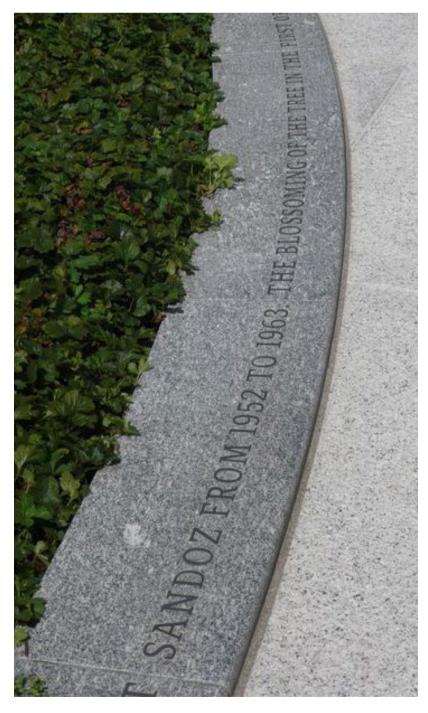






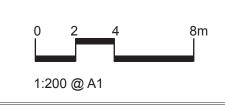


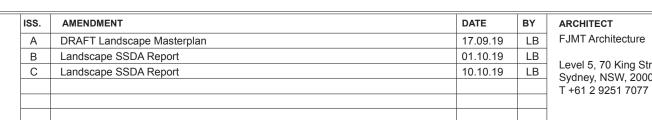














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LIGHTING, SAFETY + SECURITY

Moriah College operates both during the day and at night, supporting extra curricular activities, ceremonies and events, with lighting a crucial element that attracts people, helps navigate and facilitate function. There are 3 key areas where lighting plays an important function:

IDENTITY

Lighting can reinforce the identity and character of an area or precinct at night.

Lighting can highlight key elements and entries or simply unify a precinct through a common approach.

SAFETY

Feeling safe and secure is important when on campus. Lighting main circulation paths and adjoining areas to achieve appropriate levels of comfort, safety and security is essential. Crime Prevention Through Environmental Design (CPTED) guidelines will be adopted for all campus developments.

VARIETY

Lighting can be used to change the character and mood of a place on a seasonal or special event purpose. Lighting can also respond to use and enhance users experience of the space and adapt to the functions within the campus.

There are 2 key zones for lighting:

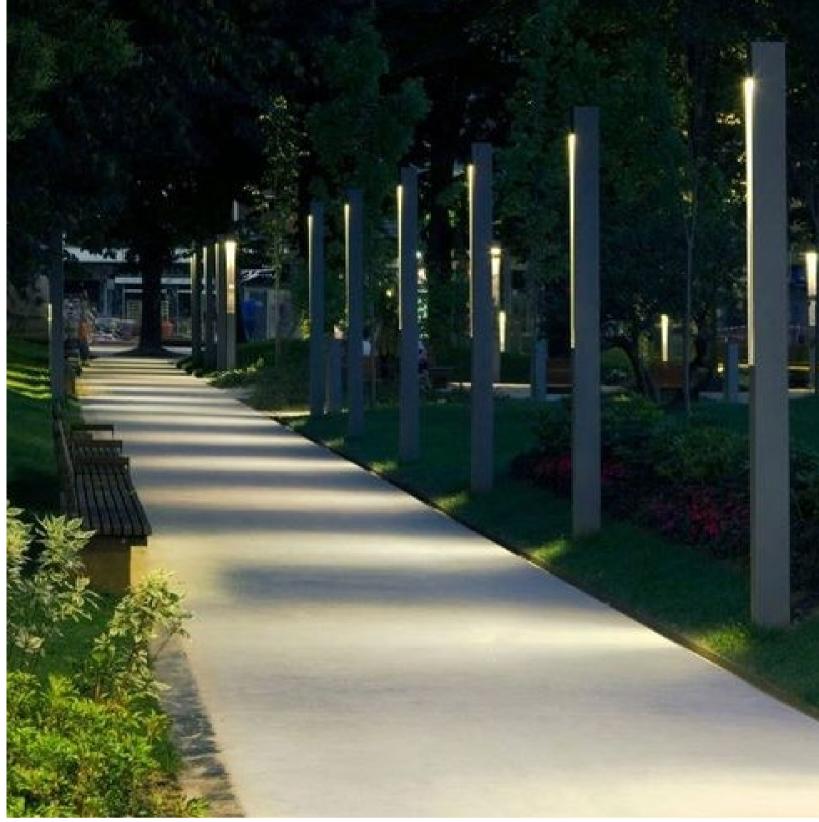
APPROACH LIGHTING

The introduction of lighting on the approaches to entry points reinforces the sense of arrival and the campus as a unique place. This sense of identity and anticipation will enhance the experience and perception of the campus.

OPEN SPACE LIGHTING

Each space will have its own character and identity, and the lighting of these spaces will support their functional use. The levels of lighting will vary dependent on the intended use of each space and be integrated within the overall design, including integrated with walls, furniture and gardens.













ISS.	AMENDMENT	DATE	BY	ARCHITECT
Α	DRAFT Landscape Masterplan	17.09.19	LB	FJMT Architecture
В	Landscape SSDA Report	01.10.19	LB	Laval E 70 Kina Otno
С	Landscape SSDA Report	10.10.19	LB	Level 5, 70 King Stree Sydney, NSW, 2000, A
				T +61 2 9251 7077



IMPORTANT NOTES:	(
All discrepancies to be brought to the attention of the Landscape Architect	ı
Larger scale drawings and written dimensions take preference. All dimensions in mm unless otherwise stated.	1
All tree dimensions and RLs in metres.	(
Use figured dimensions only.	•
Verify all dimensions on site before the commencement of any works.	(
Contractors shall locate and protect all services prior to construction.	1
All work shall be carried out in accordance with ASA, BCA and Local Government Regulations.	
Structural Details shall be subject to Engineer's Specifications.	
Drainage & Water Feature Details shall be subject to Hydraulic Engineer's Specifications.	
All work shall be carried out in a professional manner by Qualified Tradesman according to Landscape Drawings and	
Engineer's Specifications.	-
No responsibility will be taken by 360 degrees, for any variations in design, construction method, materials specified, and	:

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MORIAH COLLEGE		LB	
Queens Park Rd,			
Queens Park NSW	2022		
SCALE	DRAWN	ISSUE	

MATERIALS + FURNITURE

Campus materiality overlays movement and spatial typologies to generate way finding logic, reinforce gateways, assist with place making and utility functions.

GENERAL MATERIALITY NOTES

Minimise the number of different path finishes across campus. Consider using variations in finishes to delineate between primary and secondary pavements areas.

Paving hierarchy is determined according to function and volumes of individual pathways. It is important to provide some hierarchy and define different areas to assist in way finding through the campus.

Variation in materials should be employed to improve accessibility and legibility for all users. Textural changes in surfacing and colour cues should assist with signalling entrances, thresholds and interstitial spaces, movement vs resting spaces, grade changes, and key way finding locations.

Campus furniture responds to the landscape & surrounding classroom programming, generating and encouraging social interaction, learning opportunities and respite, and spatial hierarchy.

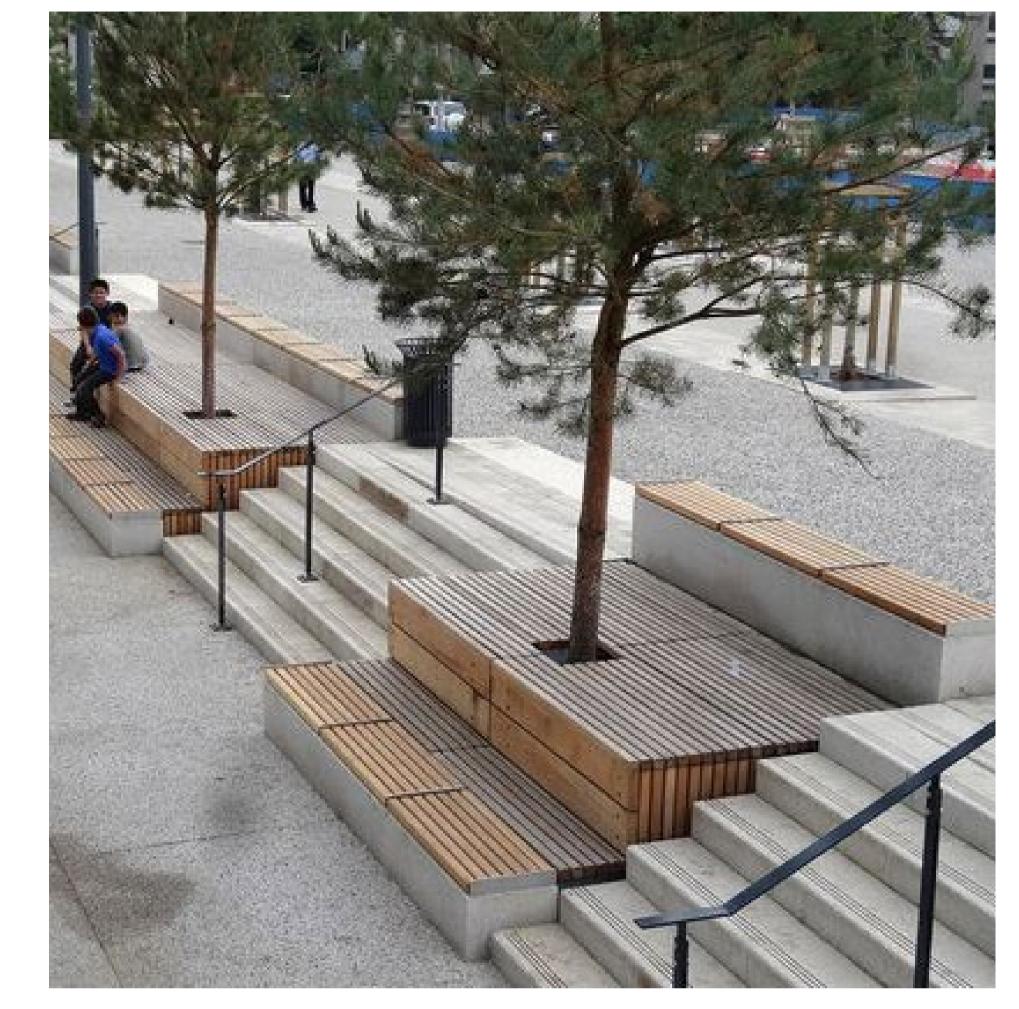
GENERAL FURNITURE NOTES

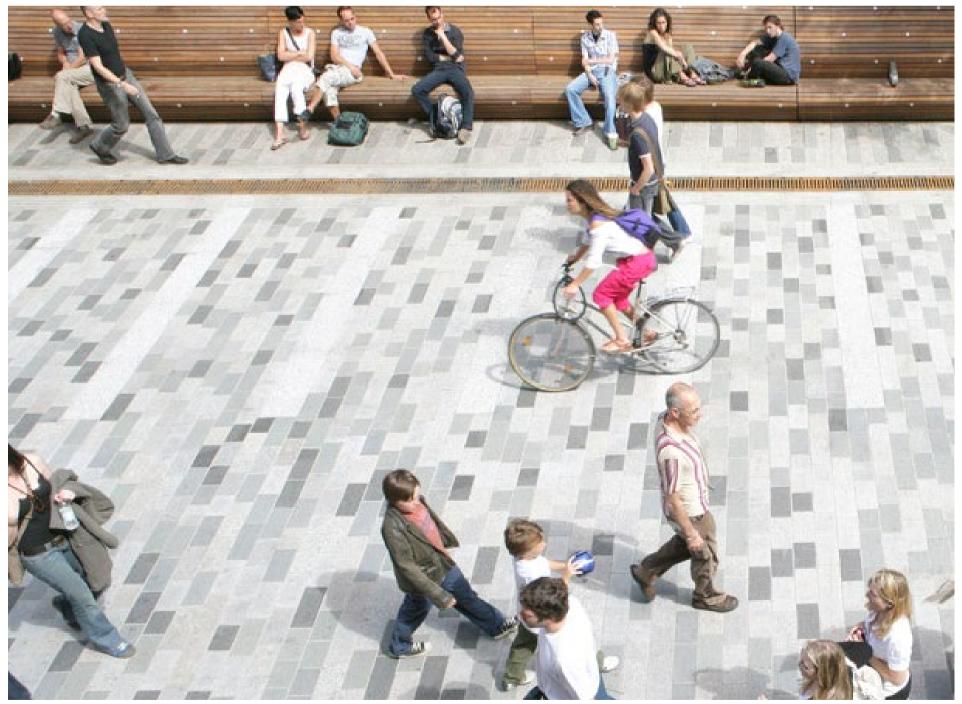
Correspond to user requirements, climate, favourable proximity to paths, building fore courts and amenities.

Employ a family of material, finish, colour and design

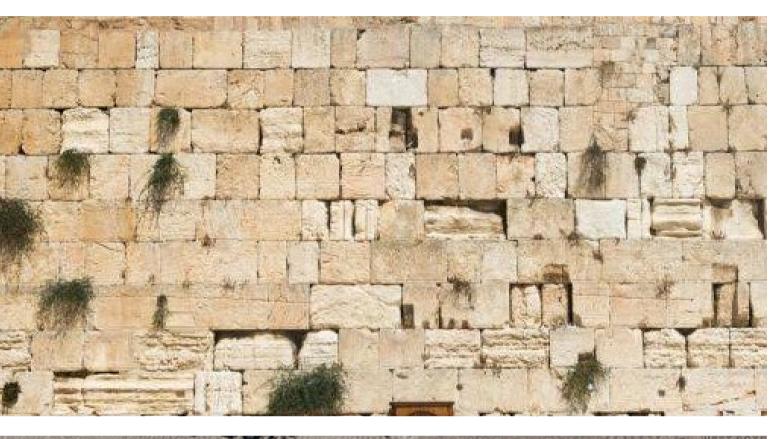
Locate furniture in favourable climatic zones. ie wind protected areas with suitable solar access

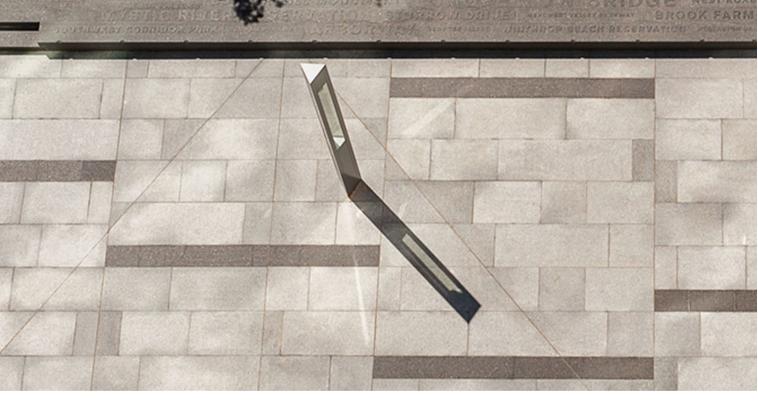
Restrained selection of materials to be robust, vandal resistant, durable.





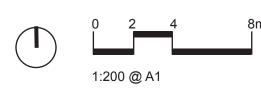


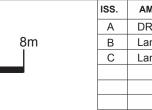


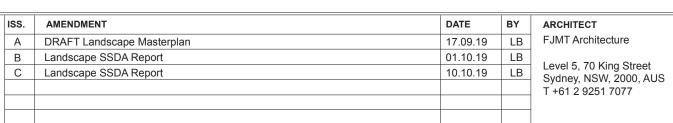
















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Queens Park Rd,		
Queens Park NSW	2022	
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PLANTING

The gardens aren't merely an area to cross on the way between class, they are also a corner of nature within the building, places to discover the richness of biodiversity, learn the value of plants and conduct interactive classes.

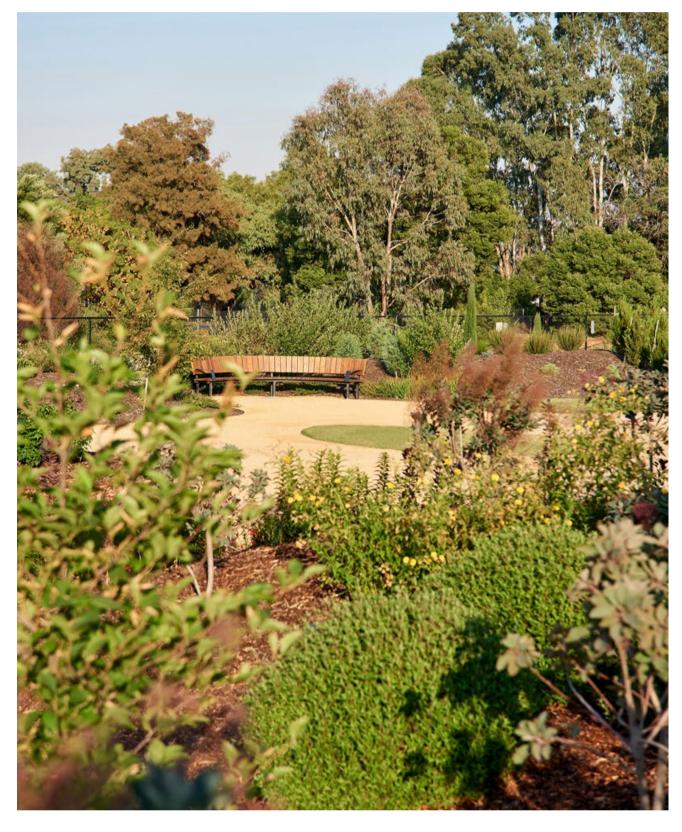
In order to cater to the needs of staff and students, the landscape seeks to supplement the lessons learnt in the classroom through practical application within the garden. A series of learning landscapes have been developed to facilitate this external education while also supporting the Masterplan principles of 'greening the campus'. These gardens include;

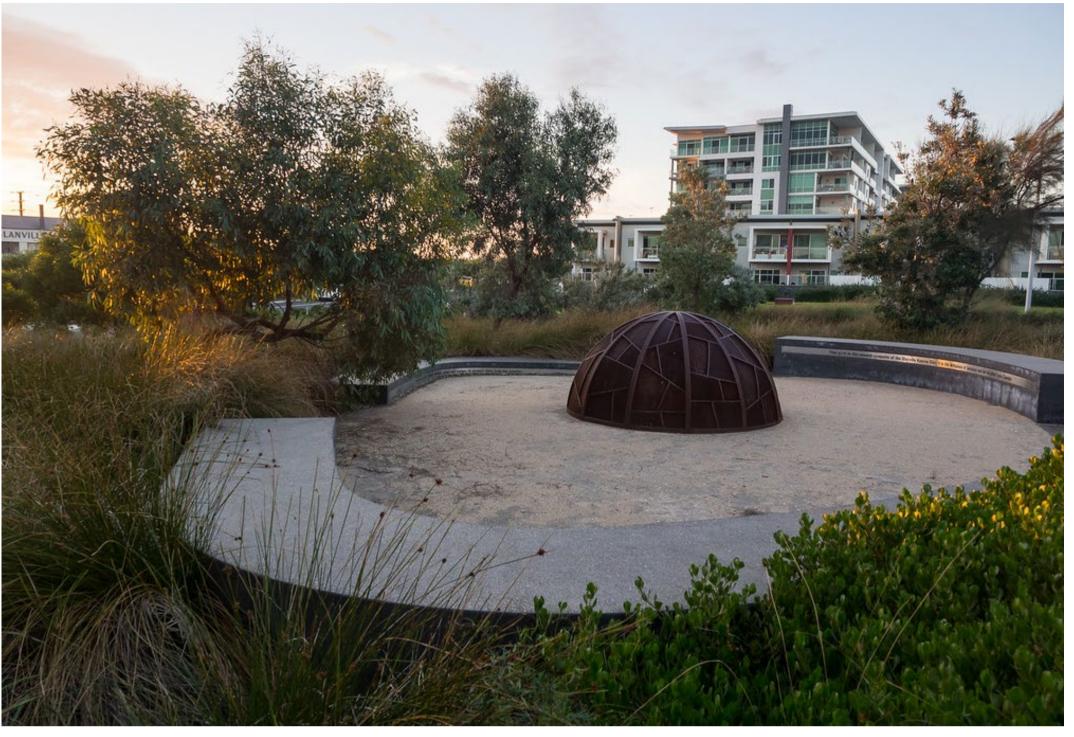
- Cultural Garden
- Science Garden
- Edible Produce Garden
- Learning Gardens
- Performance and Ceremonial Garden

Botanical gardens themselves were usually set up with the aim of active education as well as plant introduction, initially to teach medicinal and useful plants; public recreation came later. The planting selection and arrangement at Moriah College plans to embrace those origins of garden design and encourage education through planting, as well as social interaction and recreation.

A summary of possible plant species for further development at detailed design of each stage is provided as a guide and point of commencement for the final planting selection and arrangement.





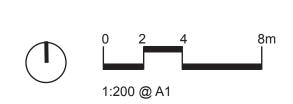


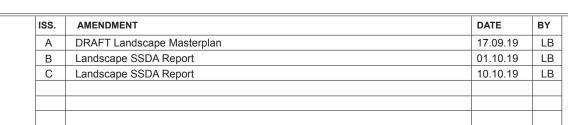












 DATE
 BY
 ARCHITECT

 17.09.19
 LB
 FJMT Architecture

 01.10.19
 LB
 Level 5, 70 King Street

 10.10.19
 LB
 Sydney, NSW, 2000, AUS

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fjmt

IMPORTANT NOTES:

	CLIENT		CHECKE
	MORIAH COLLEGE		LB
	Queens Park Rd,		
	Queens Park NSW	2022	
and	SCALE	DRAWN	ISSUE
	N/A	LB	SSDA

PROJECT
MCMSC - MORIAH COLLEGE

TREES



Agathis robusta



Cupaniopsis anacardioides



Cupressus sempervirens



fraxinus urbanite

Quercus coccifera

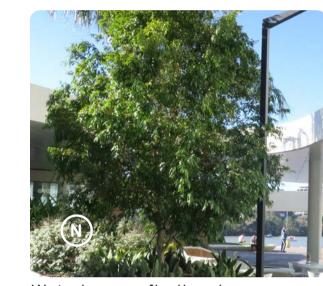


Geijera parviflora

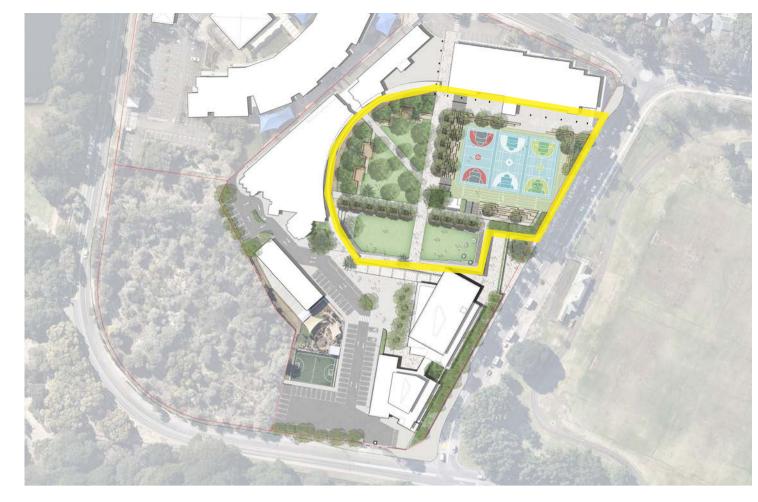
Ulmus parvifolia



Livistona australis



Waterhousea floribunda

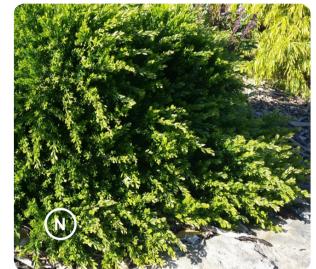


STAGE 1A & 1B LAWNS, COURTS AND GARDENS

- J JEWISH CULTURAL SIGNIFICANCE
- 1 INDIGENOUS CULTURAL SIGNIFICANCE
- E EASTERN SUBURBS BANKSIA SCRUB
- N NATIVE

SHRUBS

Olea Europea



Acacia howittii 'Canberry Honey Bun'



Aloe arborescens



Austromyrtus dulci

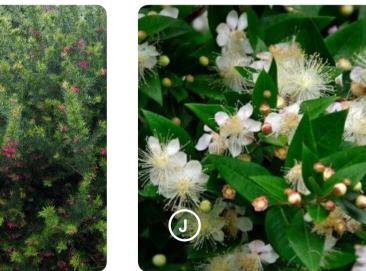
Punica granatum



Casuarina glauca 'greenwave'



Grevillea rosmarinifolia



Myrtus communis



Rosmainus officinalis



Westringia fruticosa Salvia spp.

GRASSES, GROUNDCOVERS & CLIMBERS



Dianella revoluta







Trachelospermum asiaticum



Carpobrotus glaucescens



Vitus



Dichondra repens



Beaumontia grandiflora



Juniperus conferta



Pyrostegia venusta



Lampranthus spectabilis



Quisqualis indica



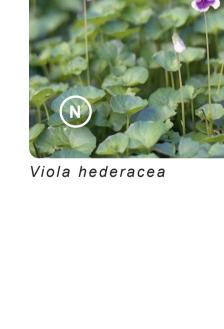
Rosmarinus 'Irene'



Thunbergia grandiflora



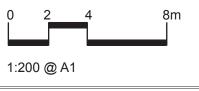
trachelospermum jasminoides

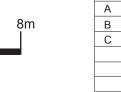


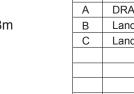


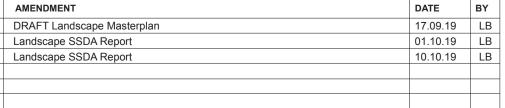
Thymus vulgaris











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IMPORTANT NOTES:

CLIENT		CHECKED
MORIAH COLLEGI Queens Park Rd, Queens Park NSW	_	LB
SCALE	DRAWN	ISSUE
N/A	IIK	SSDA

PLANTING PALETTE - LAWNS, COURTS & GARDENS MCMSC - MORIAH COLLEGE

TREES









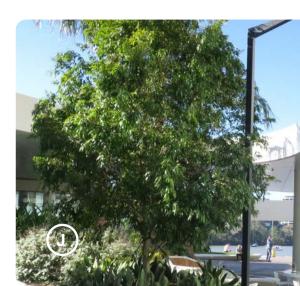
Eucalyptus saligna



Eucalyptus sideroxylon



Quercus coccifera



Waterhousea floribunda

SHRUBS & GRASSES



Alyxia buxifolia



Callistemon 'White Anzac'



Casuarina glauca 'greenwave'



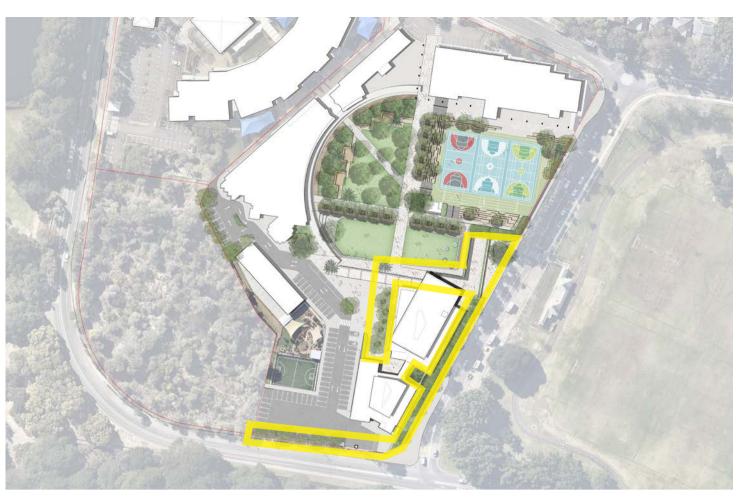
Eriostemon australasius



Grevillea rosmarinifolia



leptospermum laevigatum



STAGE 1A & 1B ENTRIES AND NEW BUILDING

- J JEWISH CULTURAL SIGNIFICANCE
- 1) INDIGENOUS CULTURAL SIGNIFICANCE
- (E) EASTERN SUBURBS BANKSIA SCRUB
- N NATIVE



Leptospermum petersonii

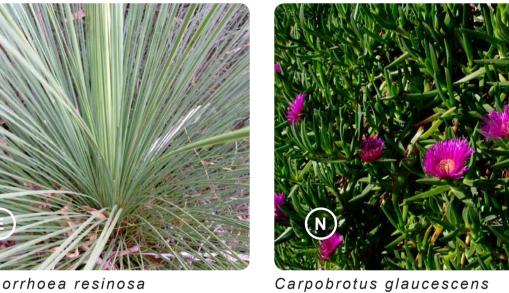


Westringia fruticosa

GRASSES, GROUNDCOVERS & CLIMBERS









Casuarina glauca 'Cousin It'





Juniperus conferta



Lampranthus spectabilis



Rosmarinus 'Irene'



Senecio serpens



Viola hederacea



trachelospermum jasminoides



S.	AMENDMENT	DATE	
Α	DRAFT Landscape Masterplan	17.09.19	
В	Landscape SSDA Report	01.10.19	
С	Landscape SSDA Report	10.10.19	

BY ARCHITECT

LB FJMT Architecture LB Level 5, 70 King Street Sydney, NSW, 2000, AUS T +61 2 9251 7077



MPORTANT NOTES:
o not scale from drawings
All discrepancies to be brought to the attention of the Landscape Architect
arger scale drawings and written dimensions take preference. All dimensions in mm unless otherwise stated.
All tree dimensions and RLs in metres.
Jse figured dimensions only.
/erify all dimensions on site before the commencement of any works.
Contractors shall locate and protect all services prior to construction.
All work shall be carried out in accordance with ASA, BCA and Local Government Regulations.
Structural Details shall be subject to Engineer's Specifications.
Oralnage & Water Feature Details shall be subject to Hydraulic Engineer's Specifications.
Il work shall be carried out in a professional manner by Qualified Tradesman according to Landscape Drawings and
Engineer's Specifications.
To responsibility will be taken by 360 degrees, for any variations in design, construction method, materials specified, and
eneral specifications without permission from the Project Engineer or Landscape Architect.

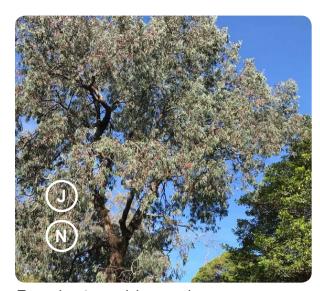
CLIENT MORIAH COLLEGE Queens Park Rd, Queens Park NSW		CHECKED LB
SCALE	DRAWN	ISSUE
N/A	LB	SSDA

TREES









Banksia serrata

Banksia integrifolia

Backhousia citriodora

Eucalyptus sideroxylon

SHRUBS & GRASSES













Alyxia buxifolia

Banksia aemula

Grevillea rosmarinifolia

leptospermum laevigatum

GRASSES, GROUNDCOVERS & CLIMBERS







Dianella revoluta

Xanthorrhoea resinosa

Hardenbergia violacea



J JEWISH CULTURAL SIGNIFICANCE

1) INDIGENOUS CULTURAL SIGNIFICANCE

E EASTERN SUBURBS BANKSIA SCRUB

N NATIVE

PLANT SCHEDULE

Botanical Name	Common Name	Pot Size
TREES & PALMS	Kauri Dina	2001
Agathis robusta	Kauri Pine	300L
Angophora costata	Smooth-barked Apple	300L
Backhousia citriodora	Lemon Myrtle	300L
Banksia integrifolia	Coast Banksia	100L
Banksia serrata	Old Man Banksia	100L
Corymbia maculata	Spotted Gum	300L
Cupaniopsis anacardioides	Tuckeroo	300L
Cupressus sempervirens	Mediterranean cypress	300L
Eucalyptus leucoxylon	Yellow Gum	100L
Eucalyptus microcorys	Tallowwood	100L
Eucalyptus saligna	Sydney Blue Gum	100L
Eucalyptus sideroxylon	Mugga Ironbark	100L
Fraxinus urbanite	Urbanite Ash	300L
Geijera parviflora	Wilga	100L
Livistona australis	Cabbage Tree Palm	
		ex groun
Olea Europea	Olive Tree	300L
Phoenix dactilyfera	Date Palm	ex groun
Punica granatum	Pomegranate	100L
Quercus coccifera	Kermes Oak	300L
•		
Ulmus parvifolia	Chinese Elm	300L
Waterhousea floribunda	Weeping Lilly Pilly	300L
SHRUBS		
Acacia howittii "Canberry Honey Bun"	Canberry Honey Bun	200mm
Aloe arborescens	Candelabra aloe	200mm
	Sea Box	200mm
Alyxia buxifolia		
Austromyrtus dulcis	Midgen Berry	200mm
Banksia aemula	Wallum Banksia	200mm
Banksia ericifolia	Heath-Leaved Banksia	200mm
Callistemon 'White Anzac'	White Anzac	200mm
Casuarina glauca 'greenwave'	Casuarina Greenwave	200mm
Eriostemon australasius	Pink Wax Flower	200mm
Grevillea rosmarinifolia	Rosemary Grevillea	200mm
Leptospermum laevigatum	Coastal Tea Tree	200mm
	Lemon-scented Tea Tree	200mm
Leptospermum petersonii		
Myrtus communis	Mrytle	200mm
Rosmarinus officinalis	Rosemary	200mm
Salvia spp.	Sage	200mm
Westringia fruticosa	Coastal Rosemary	200mm
GRASSES Dianella revoluta	Blueberry Lily	150mm
Ophiopogon jaburan	Dwarf Lilyturf	150mm
Xanthorrhoea resinosa	Grass Tree	150mm
GROUNDCOVERS		
Carpobrotus glaucescens	Pigface	150mm
Casuarina glauca 'Cousin It'	Cousin It	150mm
Dichondra repens	Kidney Weed	150mm
Juniperus conferta	Shore Juniper	150mm
Lampranthus spectabilis	Trailing Ice Plant	150mm
Rosmarinus 'Irene'	Irene	150mm
Senecio serpens	Chalksticks	150mm
Thymus vulgaris	German Thyme	150mm
Trachelospermum asiaticum	Asiatic Jasmine	150mm
Viola hederacea	Native Violet	150mm
CLIMBERS		
CLIMBERS Beaumontia grandiflora	Herald's Trumpet	150mm
	Purple Coral Pea	150mm
Hardenbergia violacea	Flame Vine	150mm
Hardenbergia violacea Pyrostegia venusta	Tidillo Villo	
Pyrostegia venusta		150mm
Pyrostegia venusta Quisqualis indica	Rangoon Creeper	
Pyrostegia venusta Quisqualis indica Thunbergia grandiflora	Rangoon Creeper Blue Thunbergia	150mm
Pyrostegia venusta Quisqualis indica	Rangoon Creeper	150mm 150mm 150mm 150mm

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