

[illegible]

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CLIENT


UNIVERSITY OF NEW ENGLAND

PROJECT NAME

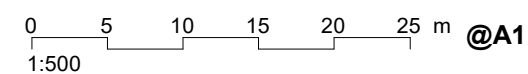
NEW ROBB COLLEGE

BUILDING NAME

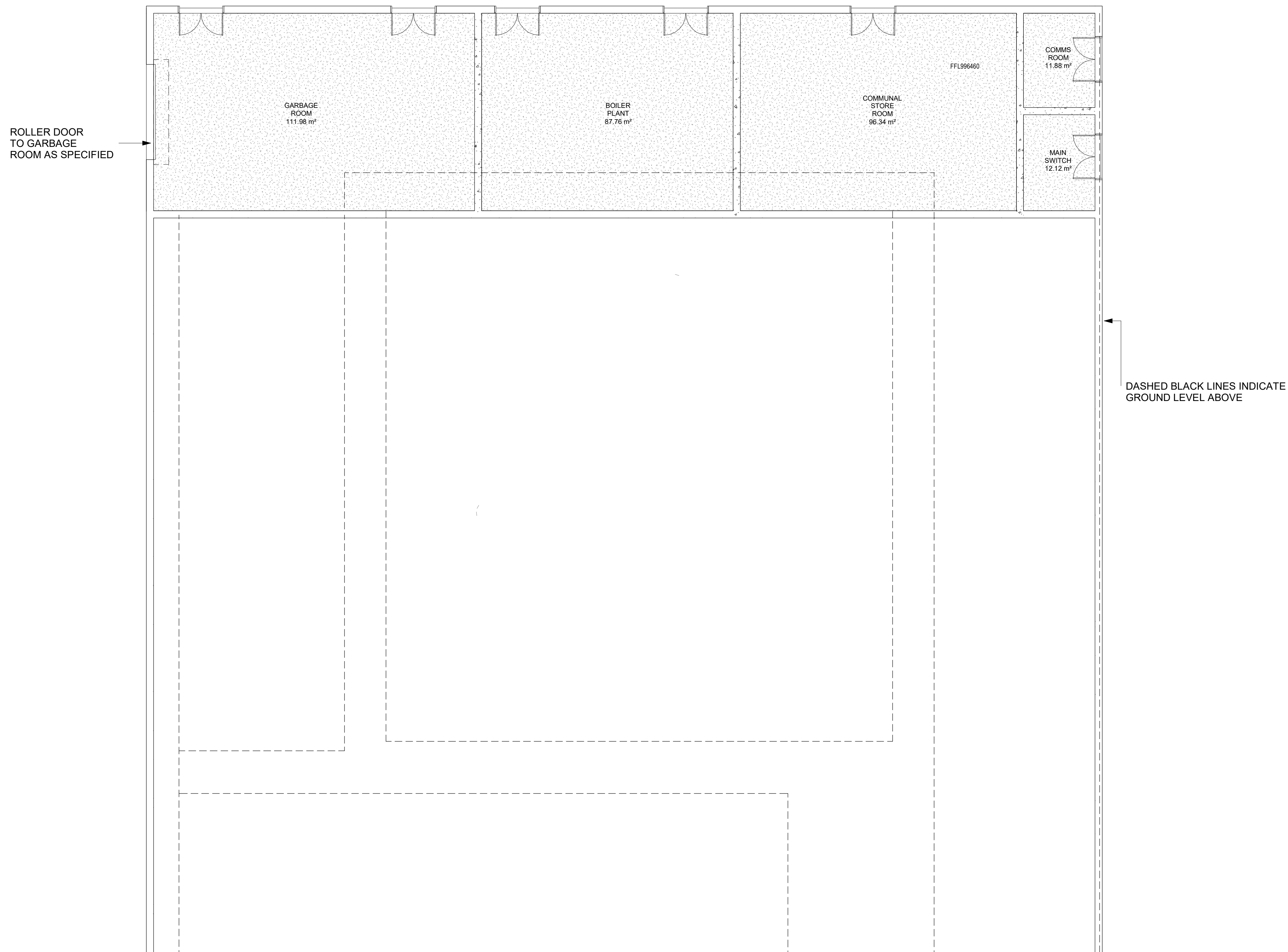
## SITE PLAN - PROPOSED LOWER GROUND FLOOR

PROJECT ARCHITECT:	DRAWN BY	
	SU	
REGISTRATION NO.	CHECKED BY	
	SC	
PROJECT NO.	REVISION DATE	SCALE
<b>17116</b>	<b>12/03/19</b>	<b>1 : 500 @ A1</b>
DRAWING NO	REVISION NUMBER	
<b>DA-A-0301</b>	<b>TP4</b>	

DEVELOPMENT APPLICATION





[illegible]

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CLIENT \_\_\_\_\_

UNIVERSITY OF NEW ENGLAND

PROJECT NAME

NEW ROBB COLLEGE

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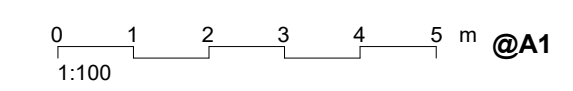
SHEET NAME

## LOWER GROUND WEST PLAN

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REGISTRATION NO.	CHECKED BY  SC	
PROJECT NO.  <b>171116</b>	REVISION DATE  <b>05/04/19</b>	SCALE  <b>1 : 100 @ A1</b>
DRAWING NO.		REVISION NUMBER

**DA-W-1001      TP3**

DEVELOPMENT APPLICATION

[illegible]

UNIVERSITY OF NEW ENGLAND

BUILDING NAME \_\_\_\_\_

PROJECT ARCHITECT:	DRAWN BY Author	
REGISTRATION NO.	CHECKED BY Checker	
PROJECT NO. <b>17116</b>	REVISION DATE <b>08/04/19</b>	SCALE <b>1 : 100 @ A1</b>
DRAWING NO		REVISION NUMBER
<b>DA-N-1001</b>		<b>TP5</b>

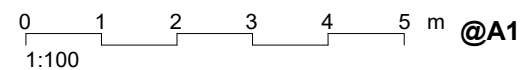
#### DEVELOPMENT APPLICATION

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[www.blp.com.au](http://www.blp.com.au)

SHEET NAME

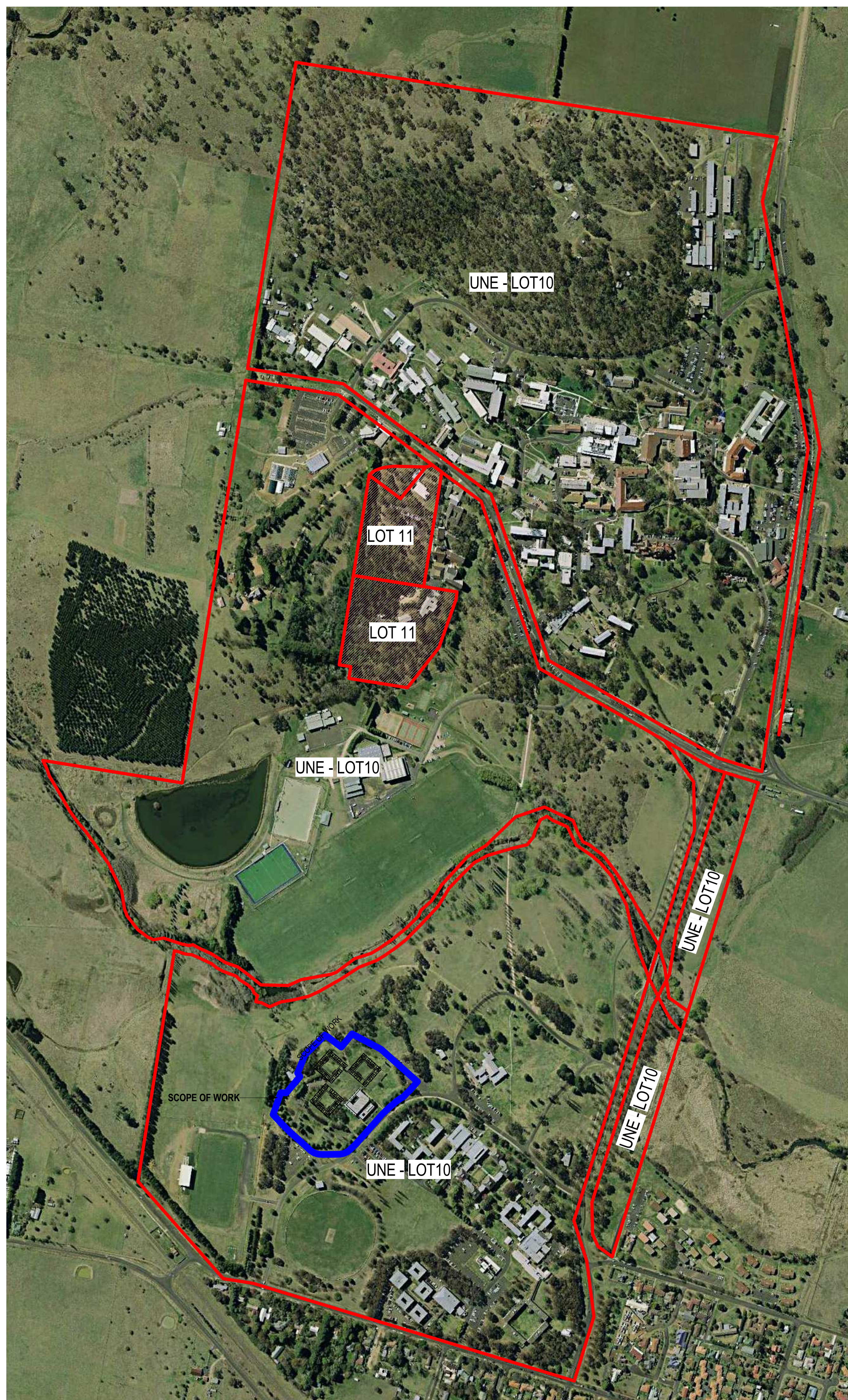
DEVELOPMENT APPLICATION











SITE BOUNDARY

## SCOPE OF WORK

[illegible]

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CLIENT

UNIVERSITY OF NEW ENGLAND


PROJECT NAME

NEW ROBB COLLEGE

BUILDING NAME

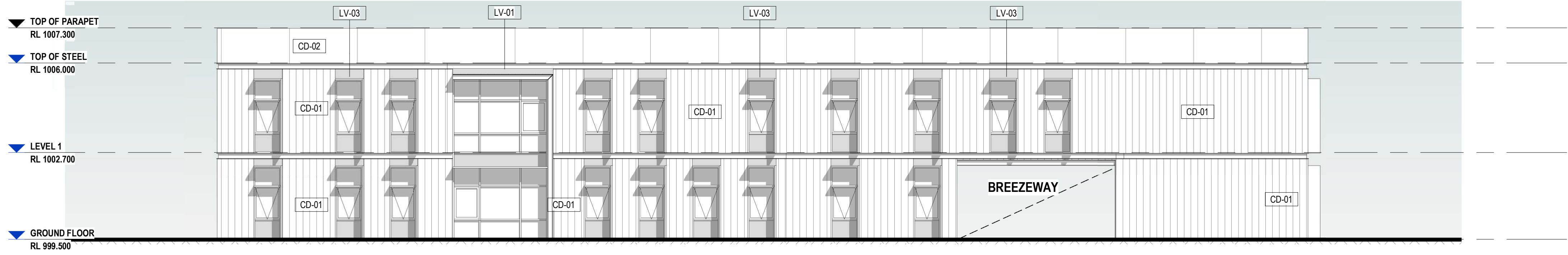
SHEET NAME

### OVERALL SITE PLAN - NEIGHBOURING BUILDINGS & BOUNDARY

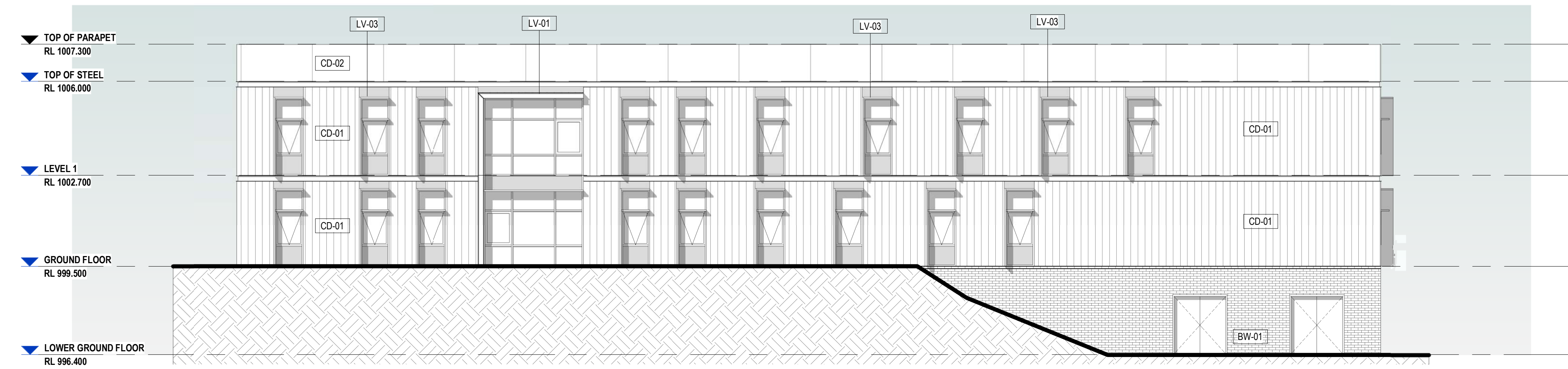
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DRAWING NO. <b>DA-A-0105</b>		REVISION NUMBER <b>TP3</b>

DEVELOPMENT APPLICATION

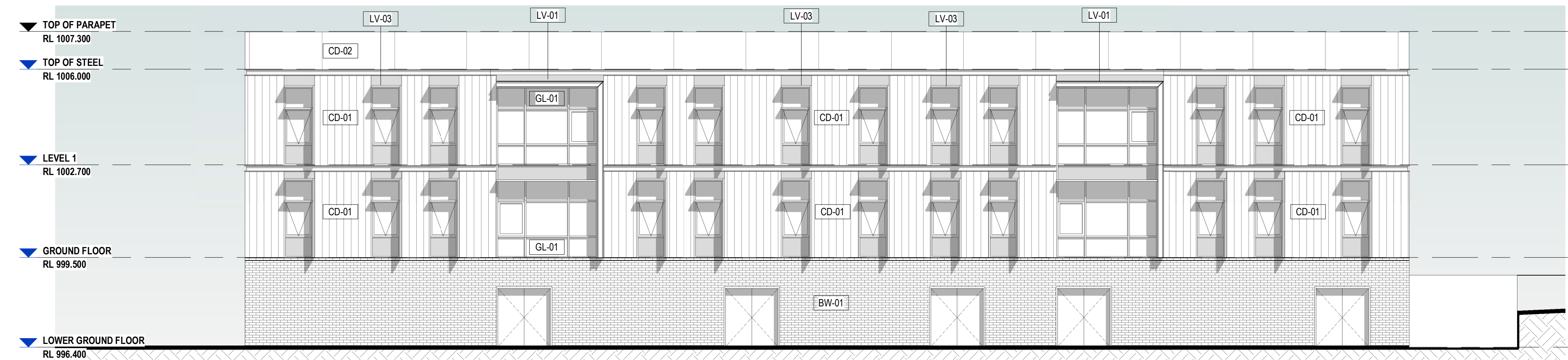




1 WEST COURT - SOUTH EAST ELEVATION  
1 : 100



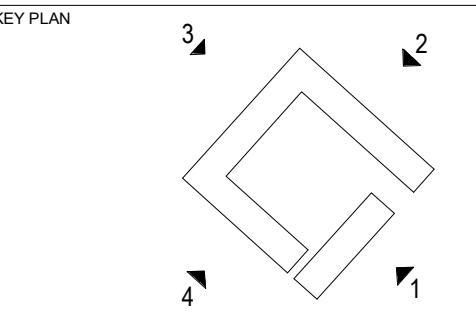
2 WEST COURT - NORTH EAST ELEVATION  
1 : 100



3 WEST COURT - NORTH WEST ELEVATION  
1 : 100



4 WEST COURT - SOUTH WEST ELEVATION  
1 : 100



KEY PLAN: NOT TO SCALE

### KEYNOTE LEGEND

Key Value	Discription
BW-01	Brickwork
CD-01	Metal Cladding 1
CD-02	Metal Cladding 2
GL-01	Vision Panel
LV-01	Window Louvre #1
LV-03	Window Louvre #3

REV	AMENDMENTS	DATE
TP5	FOR TOWN PLANNING APPROVAL	06/04/19
TP4	FOR TOWN PLANNING APPROVAL	05/04/19
TP3	FOR TOWN PLANNING APPROVAL	12/03/19
TP2	FOR TOWN PLANNING APPROVAL	11/03/19
TP1	FOR TOWN PLANNING APPROVAL	01/03/19

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CLIENT  
**UNIVERSITY OF NEW ENGLAND**

PROJECT NAME  
**NEW ROBB COLLEGE**

BUILDING NAME

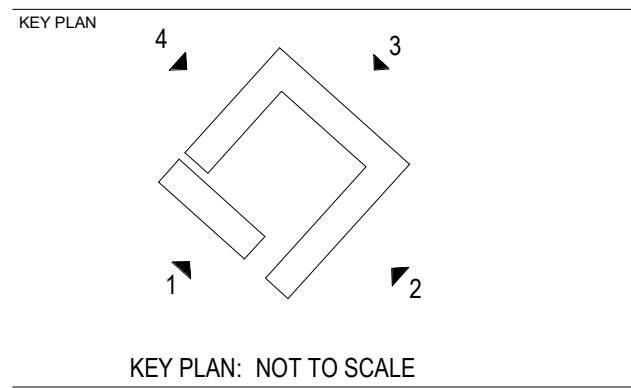
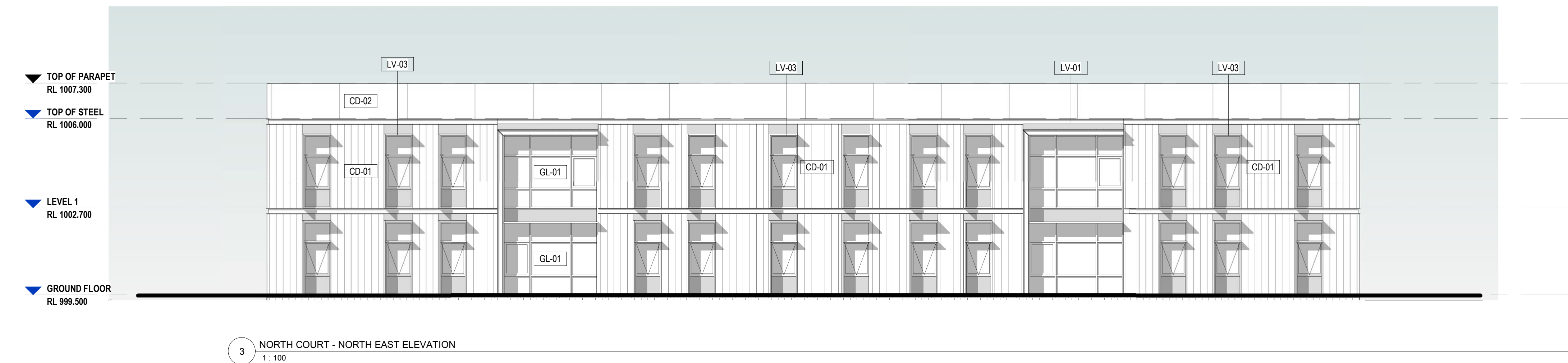
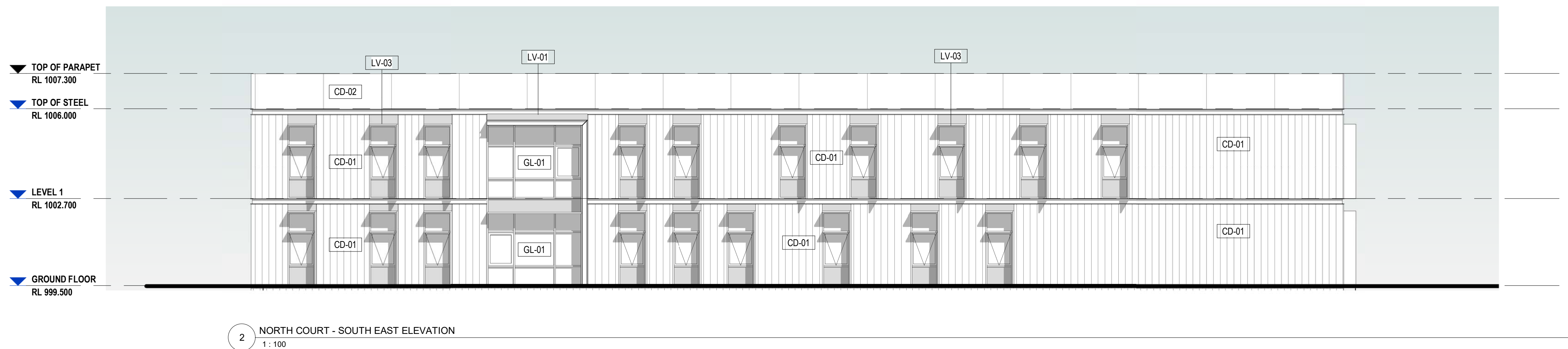
SHEET NAME  
**WEST COURT ELEVATIONS**

PROJECT ARCHITECT:	DRAWN BY	SCALE
	SU	1 : 100 @ A1
REGISTRATION NO.	CHECKED BY	REVISION NUMBER
	SC	
PROJECT NO.	REVISION DATE	
17116	08/04/19	
DRAWING NO.		
DA-W-2001		

DEVELOPMENT APPLICATION

0 1 2 3 4 5 m @A1  
1:100





KEYNOTE LEGEND	
Key Value	Discription
CD-01	Metal Cladding 1
CD-02	Metal Cladding 2
GL-01	Vision Panel
LV-01	Window Louvre #1
LV-03	Window Louvre #3

[illegible]

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UNIVERSITY OF NEW ENGLAND

UNIVERSITY OF NEW ENGLAND

PROJECT NAME \_\_\_\_\_

NEW ROBB COLLEGE

BUILDING NAME

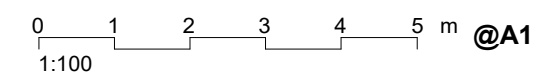
SHEET NAME \_\_\_\_\_

## NORTH COURT ELEVATIONS

PROJECT ARCHITECT:	DRAWN BY HR	
REGISTRATION NO.	CHECKED BY SC	
PROJECT NO. <b>17116</b>	REVISION DATE <b>08/04/19</b>	SCALE <b>1 : 100 @ A1</b>

DRAWING NO. **DA-N-2001** REVISION NUMBER **TP6**

## DEVELOPMENT APPLICATION

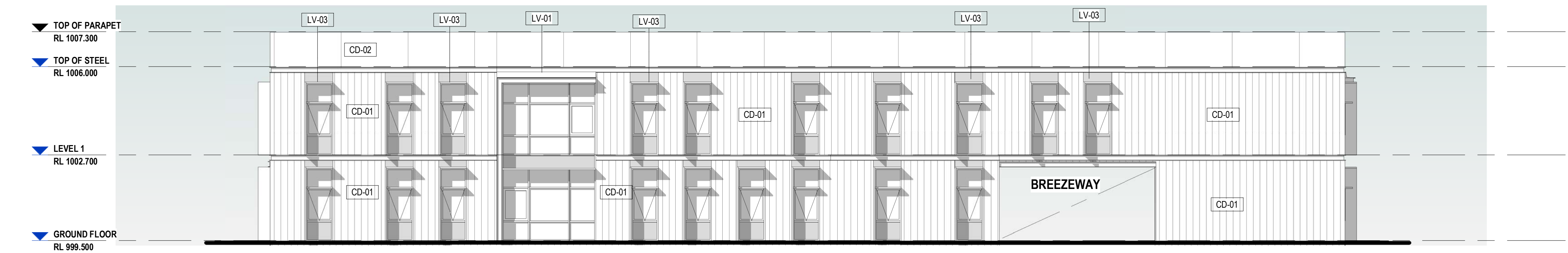




KEY PLAN: NOT TO SCALE

Key Value	Keynote Text
-----------	--------------

CD-01	Metal Cladding 1
CD-02	Metal Cladding 2
GL-01	Vision Panel
LV-01	Window Louvre #1
LV-03	Window Louvre #3



1 SOUTH COURT - NORTH EAST ELEVATION  
1 : 100



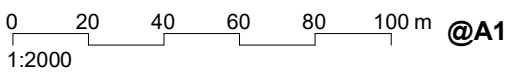
2 SOUTH COURT - NORTH WEST ELEVATION  
1 : 100



3 SOUTH COURT - SOUTH WEST ELEVATION  
1 : 100



4 SOUTH COURT - SOUTH EAST ELEVATION  
1 : 100



PROJECT ARCHITECT :	DRAWN BY  HR	
REGISTRATION NO.	CHECKED BY  SC	
PROJECT NO.  <b>17116</b>	REVISION DATE  <b>08/04/19</b>	SCALE  <b>1 : 100 @ A1</b>

DA-S-2001 TP2

## DEVELOPMENT APPLICATION



## KEYNOTE LEGEND

BH-01	Custom Balustrades
CD-03	Metal Cladding 3
CD-04	Metal Cladding 4
CD-06	Batten Screen
ST-01	Stone



P5	FOR TOWN PLANNING APPROVAL	08/04/19
P4	FOR TOWN PLANNING APPROVAL	05/04/19
P3	FOR TOWN PLANNING APPROVAL	12/03/19
P2	FOR TOWN PLANNING APPROVAL	11/03/19
P1	FOR TOWN PLANNING APPROVAL	01/03/19
REV	AMENDMENTS	DATE

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[www.blp.com.au](http://www.blp.com.au)

UNIVERSITY OF NEW ENGLAND

PROJECT NAME

**NEW ROBB COLLEGE**

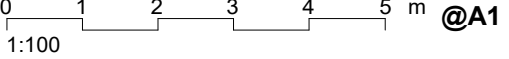
BUILDING NAME

SHEET NAME

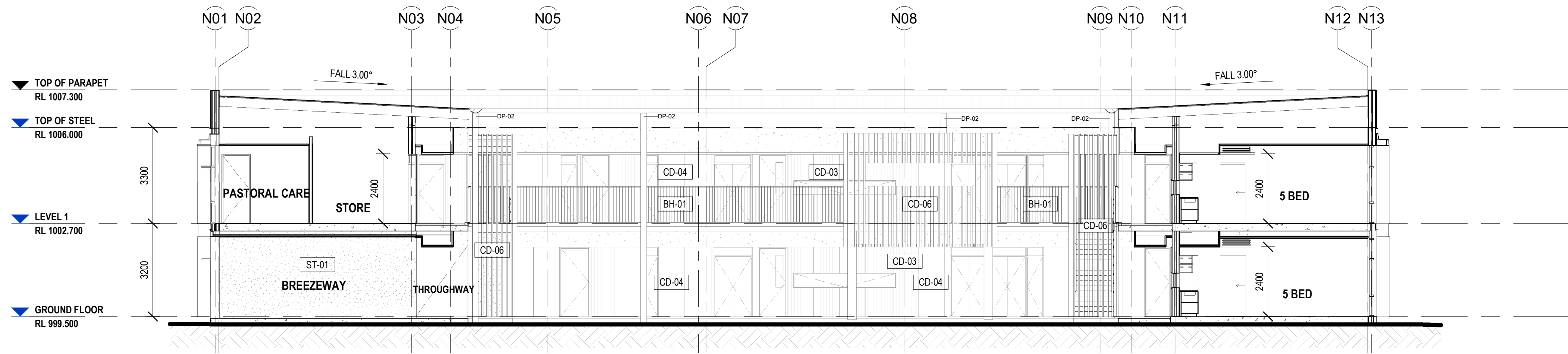
**WEST COURT SECTIONS**

REGISTRATION NO.	CHECKED BY SC	
PROJECT NO. <b>171116</b>	REVISION DATE <b>08/04/19</b>	SCALE <b>1 : 100 @ A1</b>
DRAWING NO. <b>DA-W-3001</b>		REVISION NUMBER <b>TP5</b>

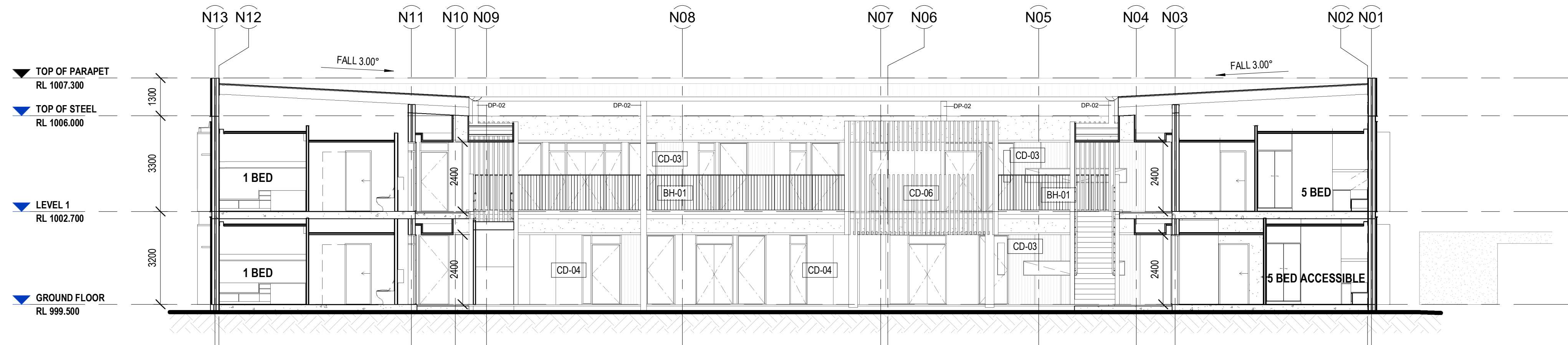
## DEVELOPMENT APPLICATION



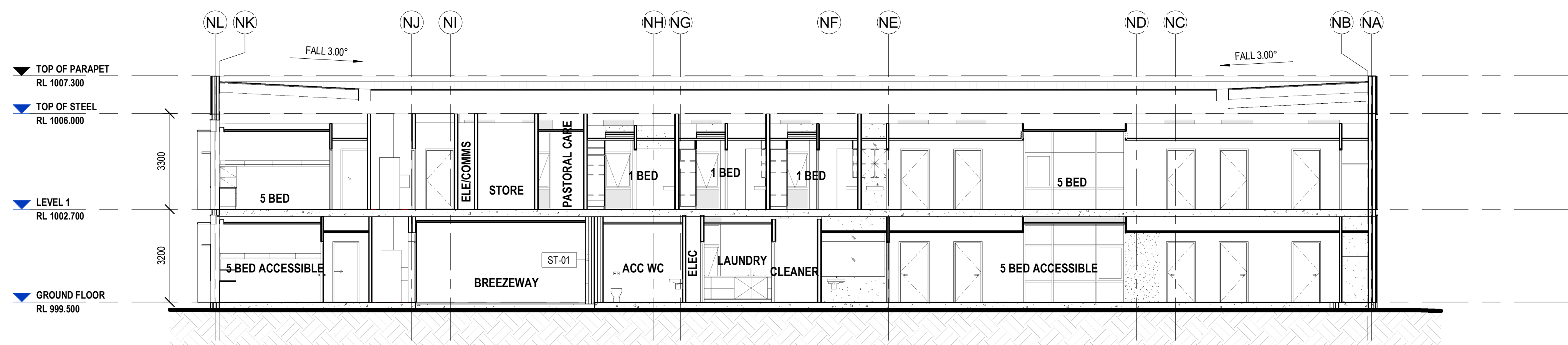




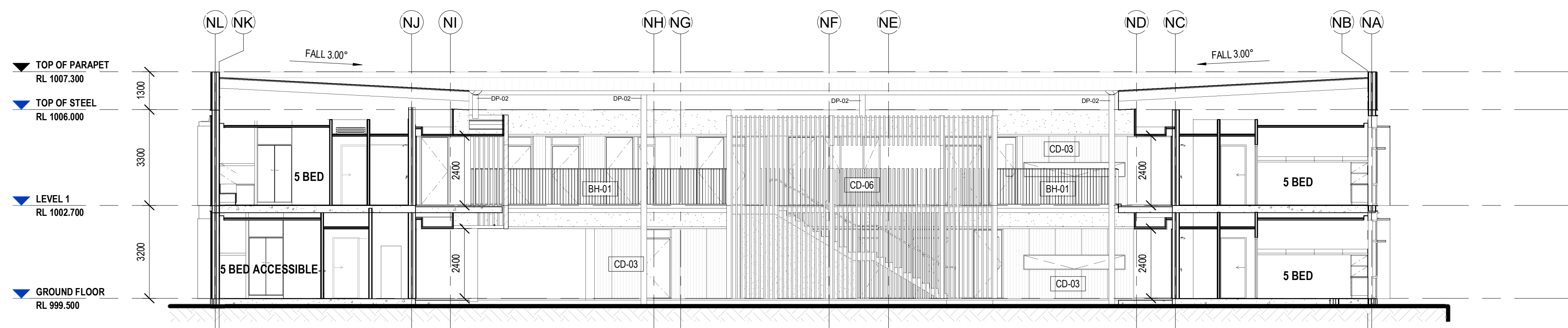
1 SECTION 1 - DA  
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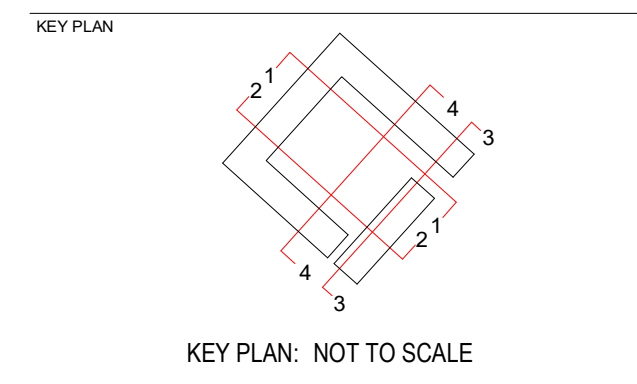
2 SECTION 2 - DA  
1:100



3 SECTION 3 - DA  
1:100



4 SECTION 4 - DA  
1:100



KEYNOTE LEGEND	
Key Value	Discription
BH-01	Custom Balustrades
CD-03	Metal Cladding 3
CD-04	Metal Cladding 4
CD-06	Batten Screen
ST-01	Stone

SECTION 3 & 4 ARE TYPICAL TO NORTH/WEST/SOUTH COURTS

TP6	FOR TOWN PLANNING APPROVAL	08/04/19
TP5	FOR TOWN PLANNING APPROVAL	05/04/19
TP4	FOR TOWN PLANNING APPROVAL	12/03/19
TP3	FOR TOWN PLANNING APPROVAL	11/03/19
TP2	FOR TOWN PLANNING APPROVAL	08/03/19
TP1	FOR TOWN PLANNING APPROVAL	01/03/19
REV	AMENDMENTS	DATE

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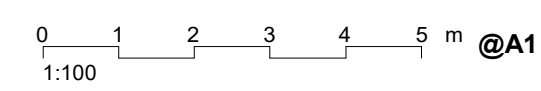
CLIENT  
**UNIVERSITY OF NEW ENGLAND**

PROJECT NAME  
**NEW ROBB COLLEGE**

BUILDING NAME

SHEET NAME  
**SECTIONS**

PROJECT ARCHITECT:	DRAWN BY SU	SCALE 1:100 @ A1
REGISTRATION NO.	CHECKED BY SC	
PROJECT NO. 17116	REVISION DATE 08/04/19	REVISION NUMBER
DRAWING NO. DA-N-3001	TP6	
DEVELOPMENT APPLICATION		





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CLIENT

UNIVERSITY OF NEW ENGLAND


PROJECT NAME \_\_\_\_\_

NEW ROBB COLLEGE

BUILDING NAME \_\_\_\_\_

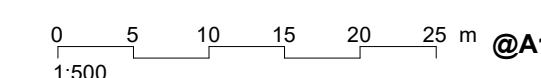
SHEET NAME

### SITE PLAN - PROPOSED GROUND FLOOR

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REGISTRATION NO.	CHECKED BY  SC	
PROJECT NO.  <b>171116</b>	REVISION DATE  <b>12/03/19</b>	SCALE  <b>1 : 500 @ A</b>
DRAWING NO.	REVISION NUMBER	

DRAWING NO. **DA-A-0302** REVISION NUMBER **TP4**

## 1 DEVELOPMENT APPLICATION





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PROJECT NAME

NEW ROBB COLLEGE

BUILDING NAME

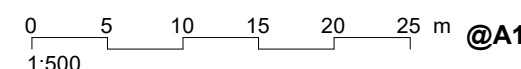
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DRAWING NO.		REVISION NUMBER

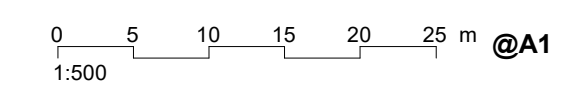
**DA-A-0303**

## TP4

DEVELOPMENT APPLICATION







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DEVELOPMENT APPLICATION
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## DEVELOPMENT APPLICATION





# EXTERNAL FACADE FINISHES

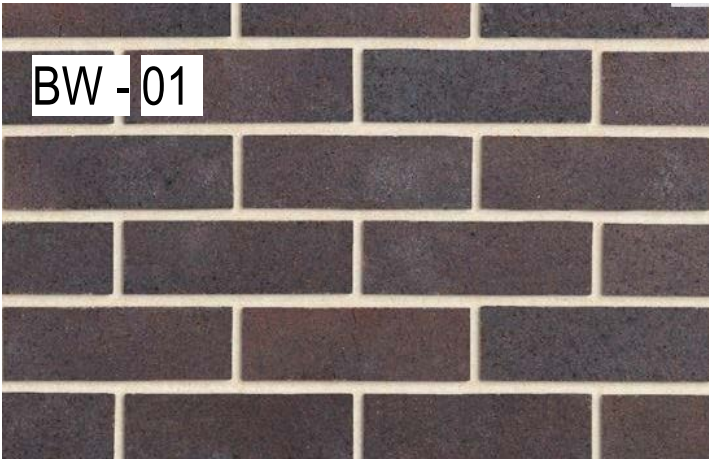


LV - 02

LV - 04



CD - 07



## LEGEND

ST-01 FEATURE STONE WALL CLADDING BASALT  
CD - 01 METAL CLADDING COLOUR IRONSTONE  
CD - 02 METAL CLADDING COLOUR WHITEHAVEN  
CD - 07 PFC TRIM COLOUR WHITEHAVEN

BW - 01 ARCHITECTURAL BRICKWORK  
LV - 03 WINDOW HOODS #2 COLOUR MONUMENT  
LV - 02 WINDOW IOUVRE #1 COLOUR MONUMENT  
LV - 04 WINDOW IOUVRE #2 COLOUR MONUMENT



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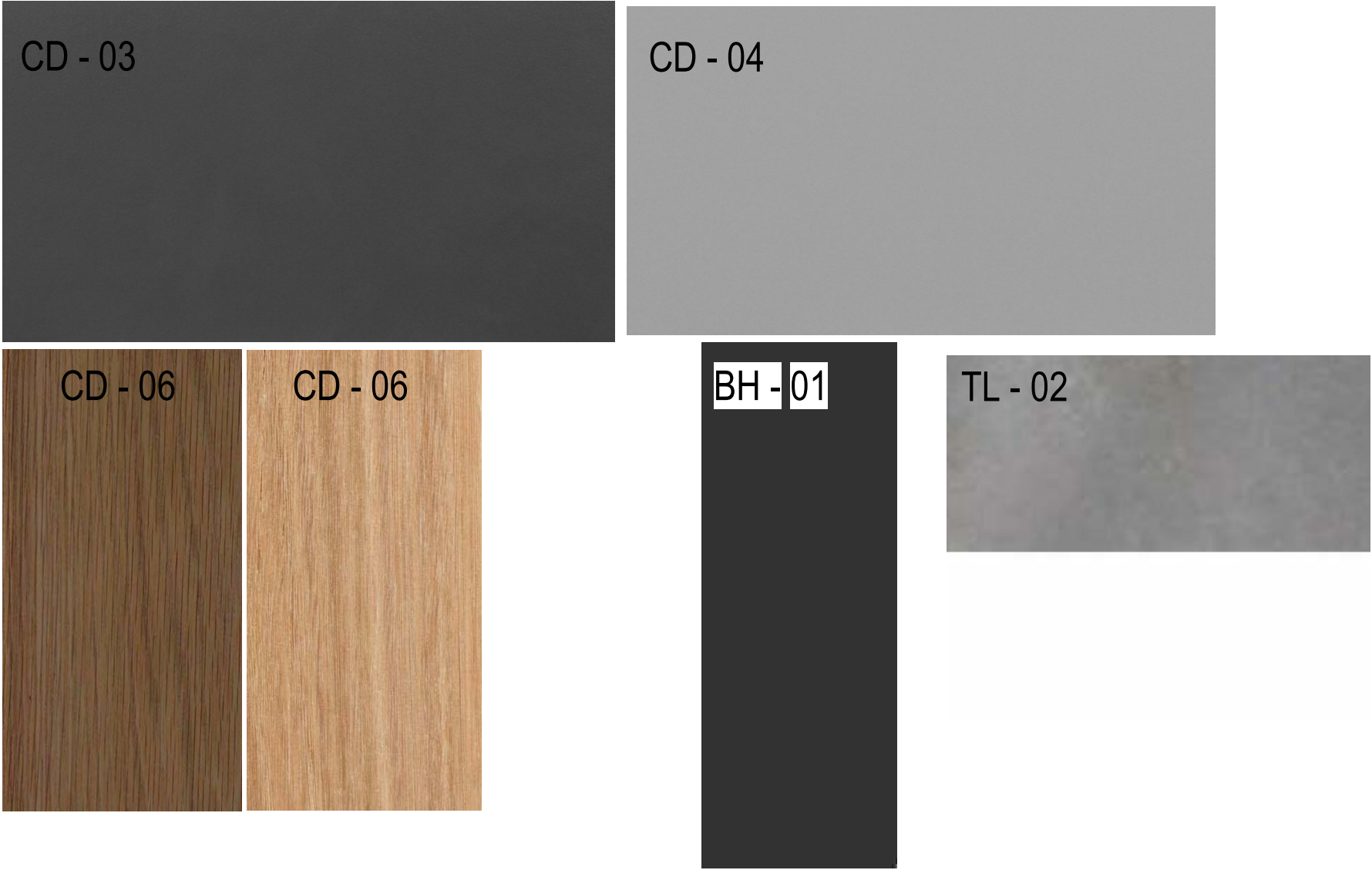
Client  
UNIVERSITY OF NEW  
ENGLAND  
Project Name  
NEW ROBB COLLEGE

Drawing Name  
EXTERNAL FINISHES

Scale @ A3	Project No 17116	Date Created
Drawing No DA-A-9601	Revision TP5	



# INTERNAL COURTYARD FINISHES



## LEGEND

- CD - 03 PREFINISHED FIBRE CEMENT PANELS: PROFILED - CEMINTEL BASE COLOUR BLACKISH
- CD - 04 PREFINISHED FIBRE CEMENT PANELS: NON PROFILED - CEMINTEL BASE COLOUR GREYISH
- CD - 06 BATTEN SCREEN COLOUR BLACKBUTT + MERSEY OAK
- BH - 01 CUSTOM BALUSTRADES COLOUR TO MATCH IRONSTONE
- TL - 02 EXPOXY FINISH CONCRETE FLOOR COLOUR TO MATCH GRANITE UNIT PAVING





**ARCADIA**  
LANDSCAPE ARCHITECTURE

---

**UNE ROBB COLLEGE**  
LANDSCAPE DESIGN APPLICATION  
MARCH 2019

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# CONTENTS

—

1.0	SITE UNDERSTANDING	2.0	MASTER PLAN	3.0	LANDSCAPE SYSTEMS
1.1	CONTEXT REGIONAL	2.1	VISION	3.1	MATERIAL PALETTE
1.2	CONTEXT CAMPUS	2.2	PRINCIPLES	3.2	PLANTING PALETTE
1.3	ANALYSIS CLIMATE	2.3	STRATEGIES		
1.4	ANALYSIS U N E	2.4	THRESHOLD		
1.5	ANALYSIS ROBB COLLEGE	2.5	MASTER PLAN		
1.6	ANALYSIS EXISTING SITE	2.6	VILLAGE GREEN		
1.7	ANALYSIS EXISTING TREES	2.7	SOUTH COURT		
		2.8	WEST COURT		
		2.9	NORTH COURT		



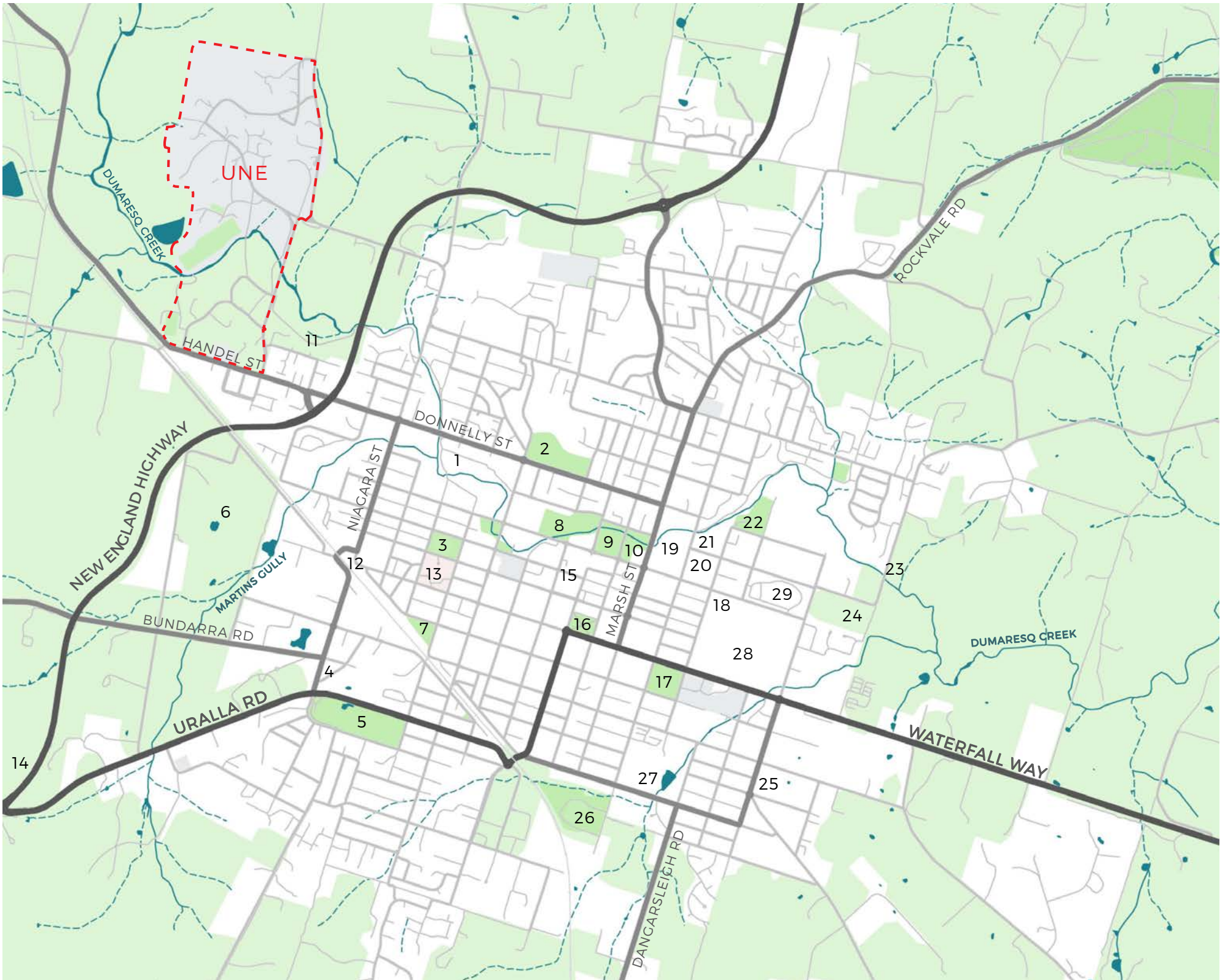
1.0

SITE UNDERSTANDING





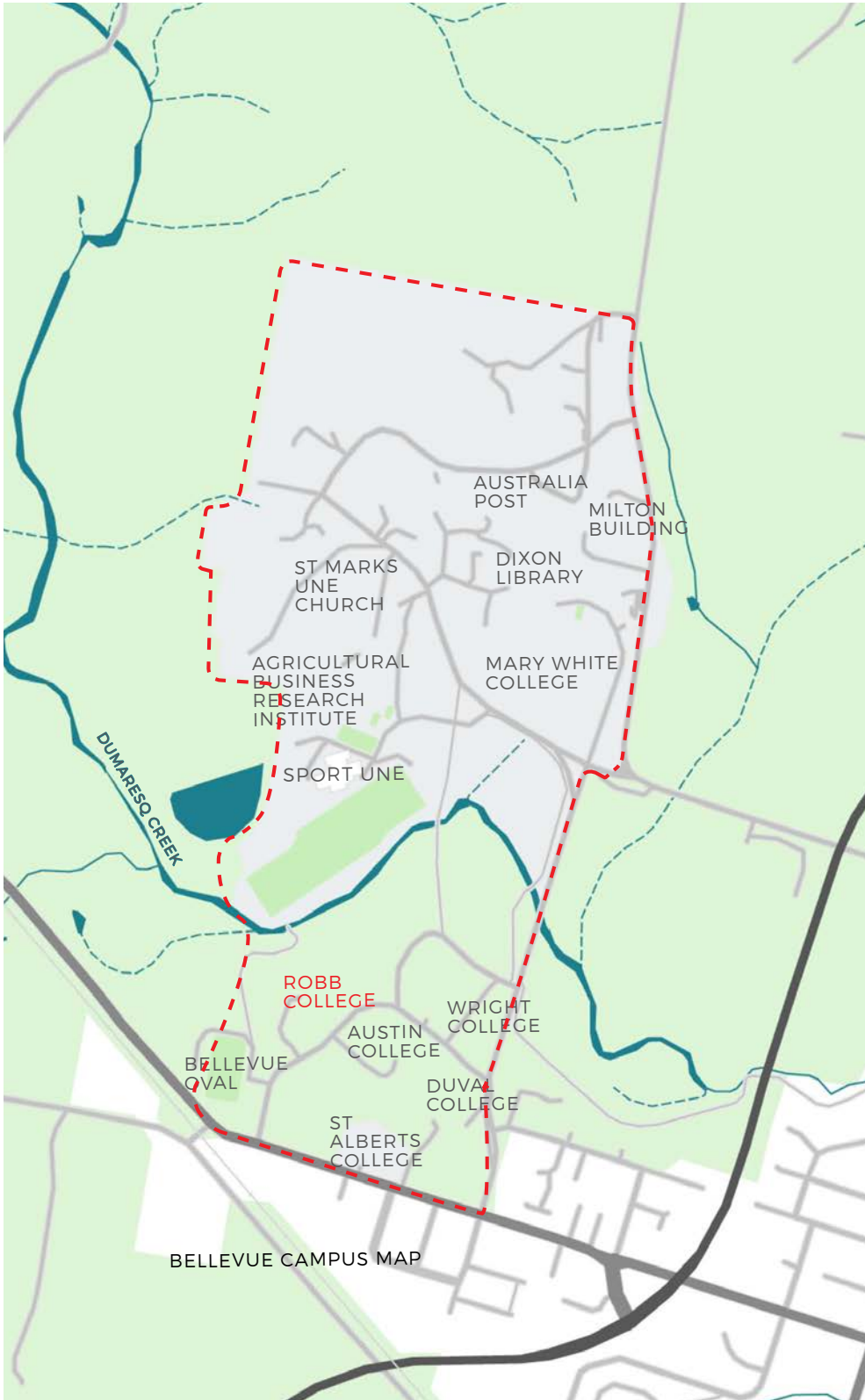
# 1.1 CONTEXT REGIONAL



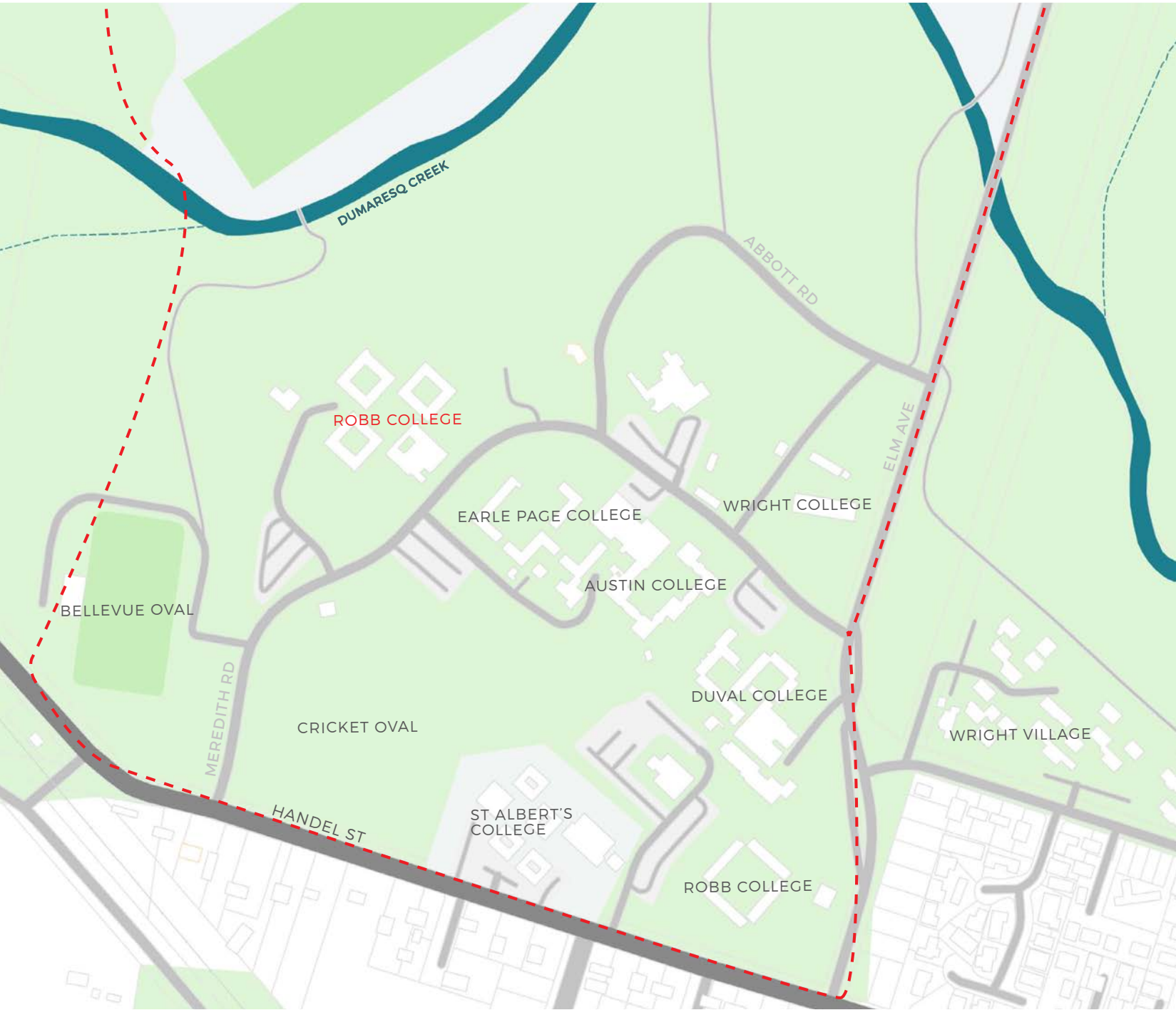
- 1. Elizabeth Park
- 2. Drummond Memorial Park
- 3. Lambert Park
- 4. Rotary Park
- 5. Armidale Bicentennial Arboretum
- 6. Armidale Golf Club
- 7. Watson Park
- 8. Harris Park
- 9. Civic Park
- 10. Curtis Park
- 11. Former ChildsBrickworks Site
- 12. Armidale Train Station
- 13. Armidale Hospital
- 14. Armidale Airport
- 15. Commercial Core
- 16. Central Park
- 17. Macdonald Park
- 18. Armidale Sports Ground
- 19. Rologas Fields
- 20. Wicklow Oval
- 21. Causeway Reserve
- 22. Equestrian Fields
- 23. Kae Park
- 24. Armidale Racecourse
- 25. Doody Oval
- 26. Moran Oval
- 27. Newling Oval
- 28. Racecourse
- 29. Showground



1.2 CONTEXT CAMPUS



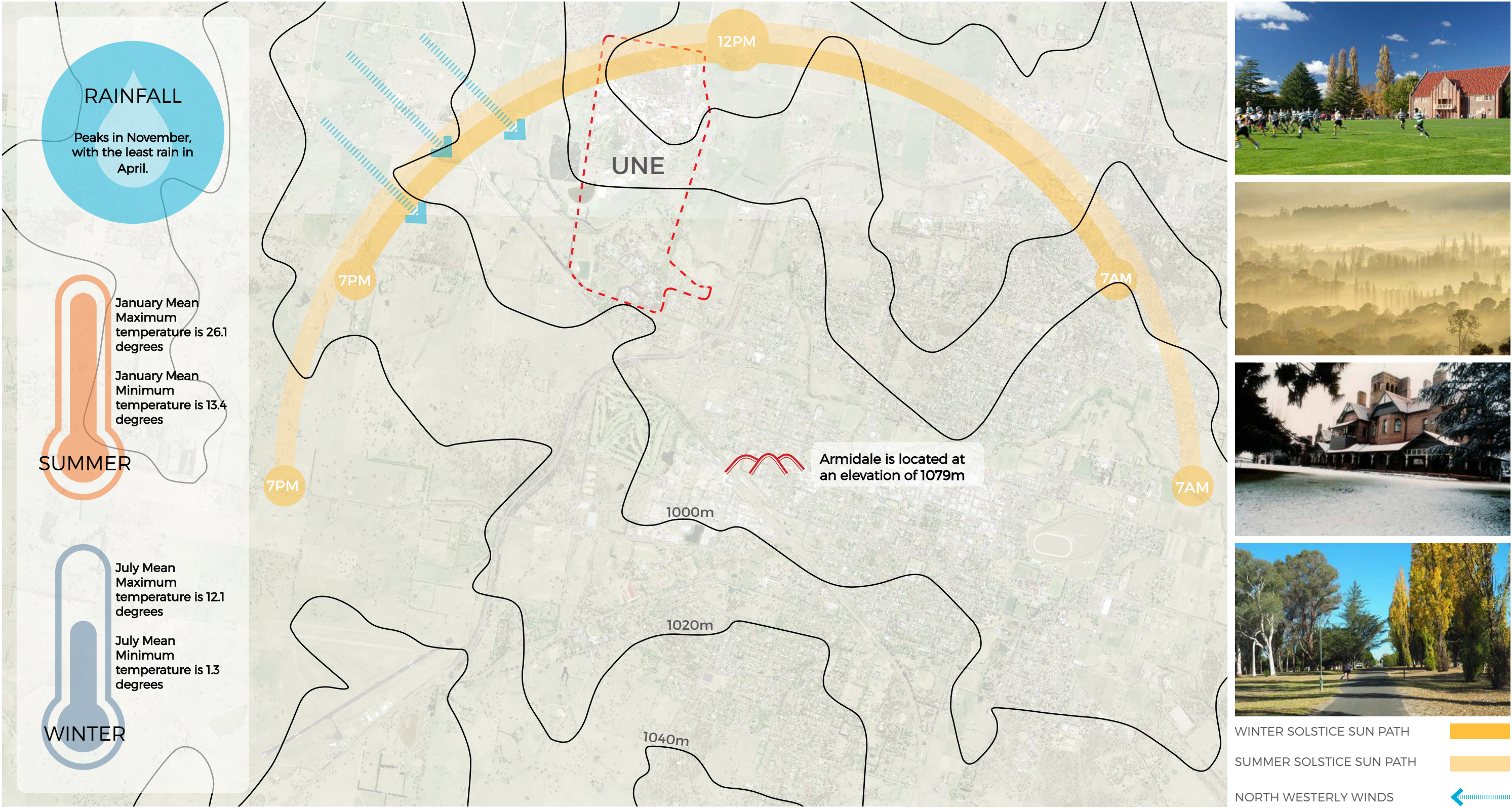
UNE CAMPUS MAP



BELLEVUE CAMPUS MAP



# 1.3 ANALYSIS CLIMATE

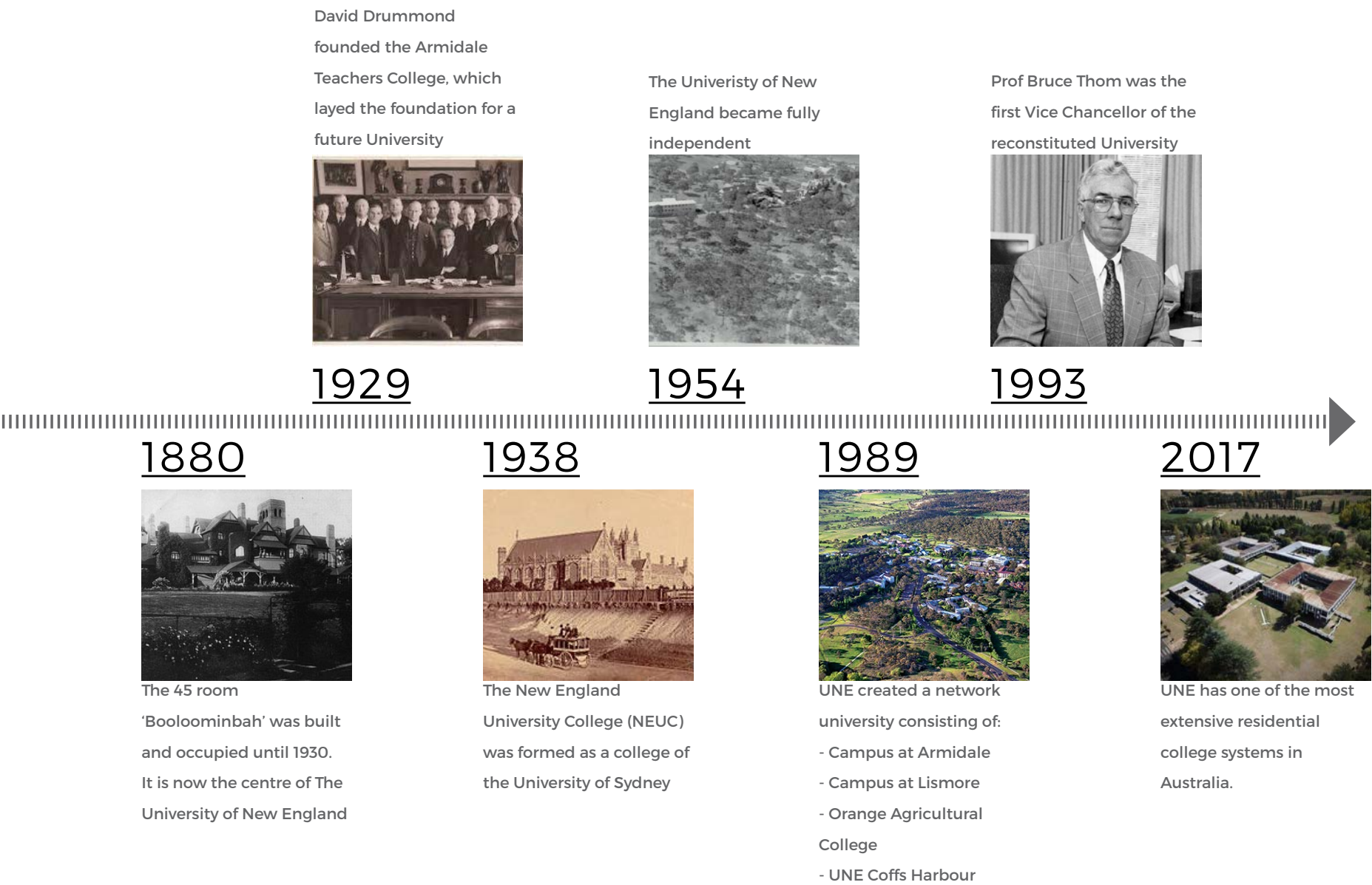
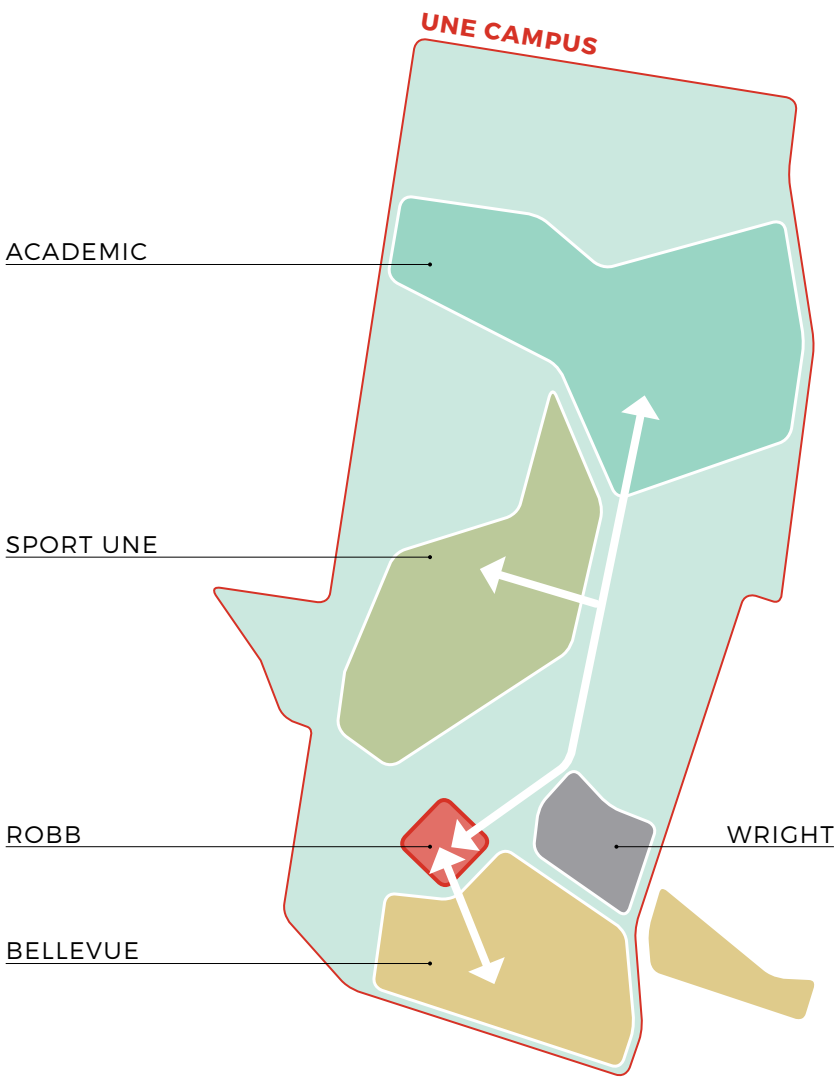




# 1.4 ANALYSIS UNE

The New England University College (NEUC) was formed in 1938 as a college of the University of Sydney, it was recognised as ‘The College of the North’

The University became fully independent as the University of New England in 1954. Pioneering in teaching to external students by correspondence, UNE became Australia’s most experienced provider of distance and now Online Education to its students.





—

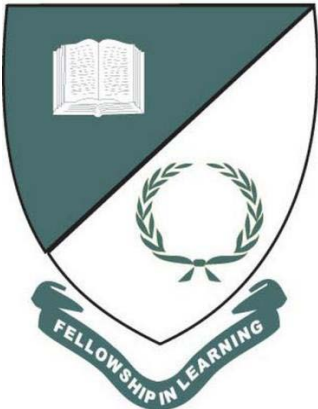
# 1.5 ANALYSIS ROBB COLLEGE

—

Robb college first opened in 1960. It was originally known as the 'Third College' and was one of the first modernist colleges built outside of Sydney. It is designed in keeping with the Oxbridge courtyard planning style.

Robb College is named after the first Registrar of the UNE, Mr William Menzies Robb. It was originally established as a men's college, however Robb has been co-ed since 1977.

The Robb College motto is 'Fellowship in Learning'



SOCIAL



SPORT



CULTURE



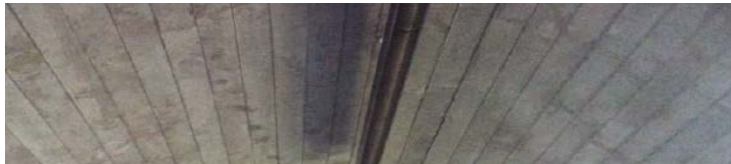
COMMUNITY



SUPPORT



## EXISTING SITE MATERIALITY



BASALT

STAINED TALLOWWOOD

CONCRETE BARREL-VAULTS

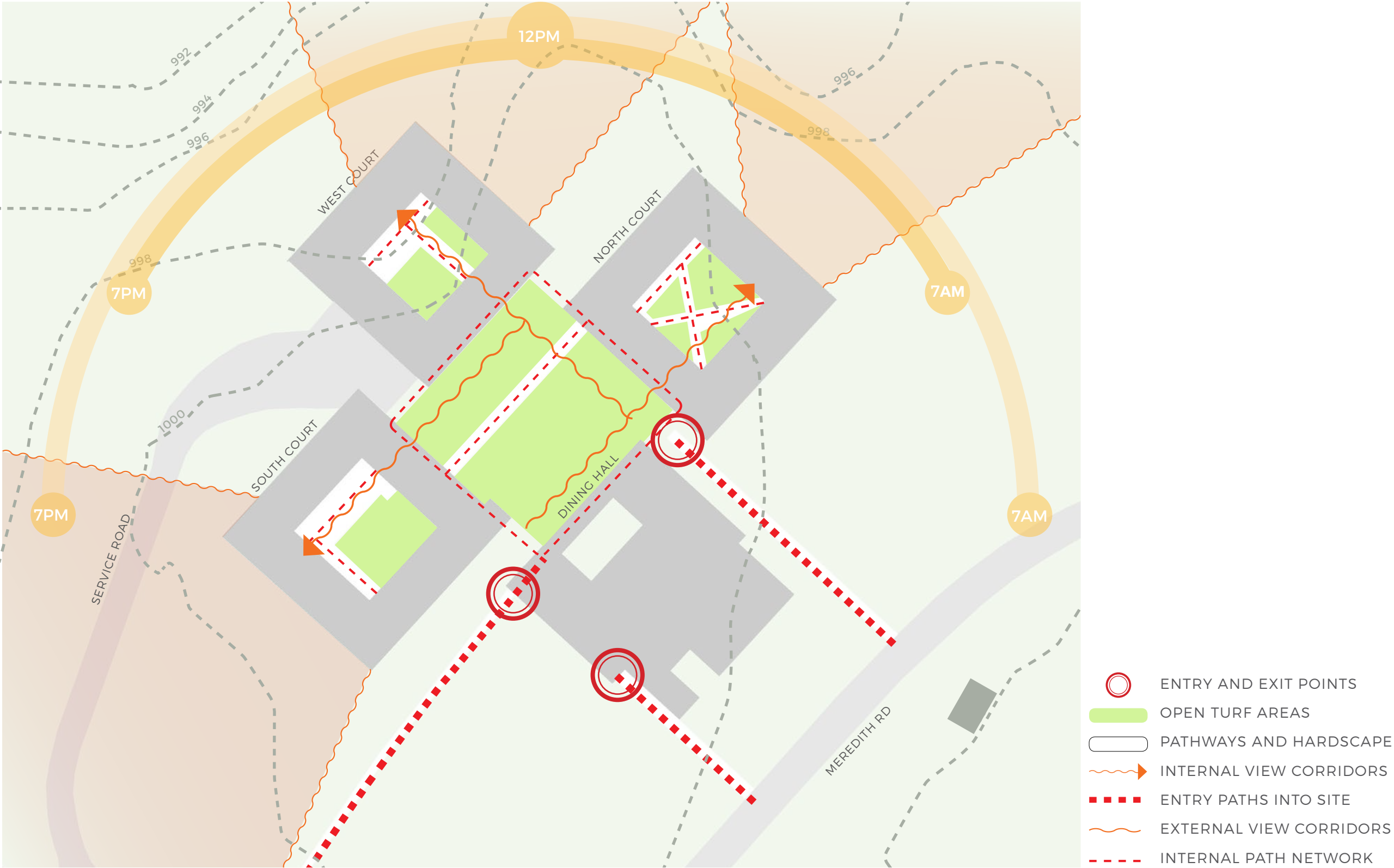
EXPOSED STEEL FRAMES



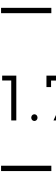
—

# 1.6 ANALYSIS EXISTING SITE CONDITIONS

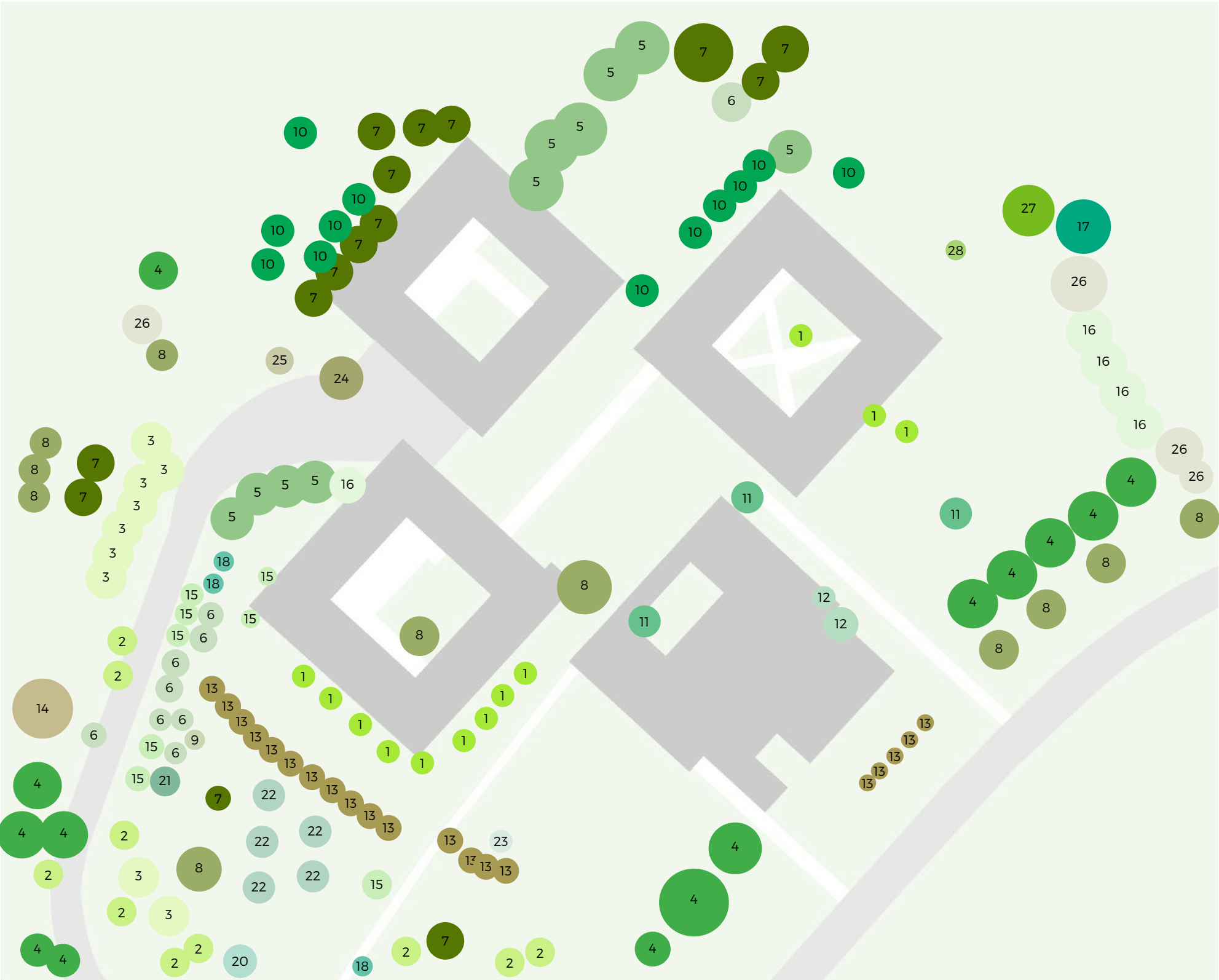
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# 1.7 ANALYSIS EXISTING TREES



- 1 Betula pendula (Silver Birch)
- 2 Populus nigra 'Italica' (Lombardy Poplar)
- 3 Cupressus torulosa (Bhutan Cypress)
- 4 Cedrus deodara (Himalayan Cedar)
- 5 Ulmus parvifolia (Chinese Elm)
- 6 Liquidamber styracifolia (Sweet Gum)
- 7 Fraxinus sp. (Ash)
- 8 Pistacia chinensis (Chinese Pistacio)
- 9 Cedrus atlantica f. glauca (Blus Atlas Cedar)
- 10 Paulownia tomentosa (Royal Paulownia)
- 11 Magnolia soulangeana (Saucer Magnolia)
- 12 Magnolia grandiflora (Bull Bay Magnolia)
- 13 Prunus sp.
- 14 Quercus robur (English Oak)
- 15 Chamaecyparis lawsoniana (Lawson's Cypress)
- 16 Eucalyptus viminalis ssp. (Manna Gum)
- 17 Eucalyptus sideroxylon (Red Ironbark)
- 18 Picea sp.
- 20 Celtis occidentalis (Common Hackberry)
- 21 Cotinus coggygria (Smoke Bush)
- 22 Plantanus x hybrida (London Plane Tree)
- 23 Malus cvr. (Apple)
- 24 Eucalyptus michaeliana (Hillgrove Spotted Gum)
- 25 Cottoneaster sp.
- 26 Eucalyptus nicholii (Willow Peppermint)
- 27 Ficus sp.
- 28 Cupressus sempervirens (Mediterranean Cypress)
- 29 Casuarina cunninghamiana (She-Oak)

**Technical Note:**  
State Environmental Planting Policy No  
44 Koala Habitat Protection corridor  
acknowledged

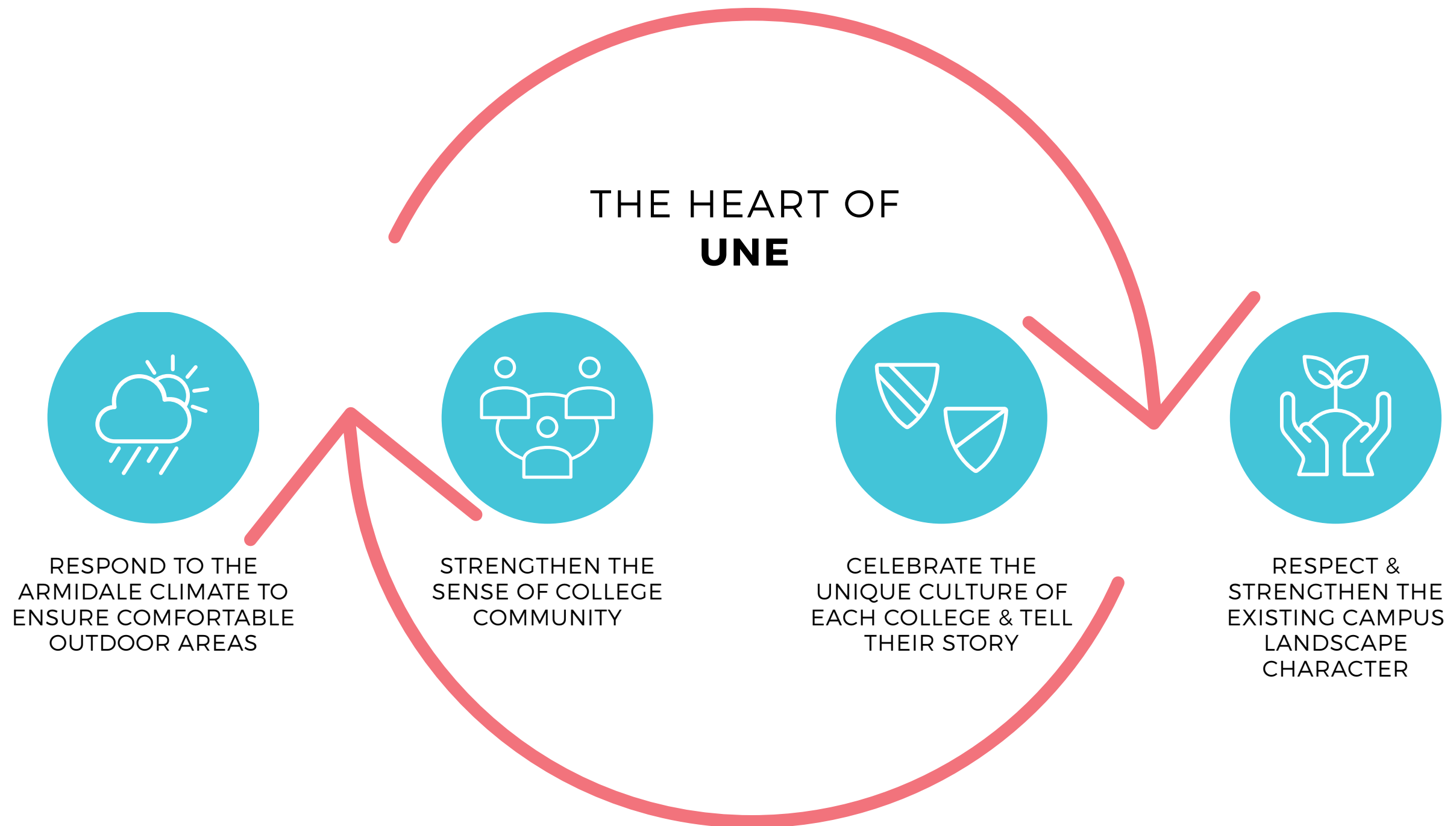


2.0

MASTER PLAN

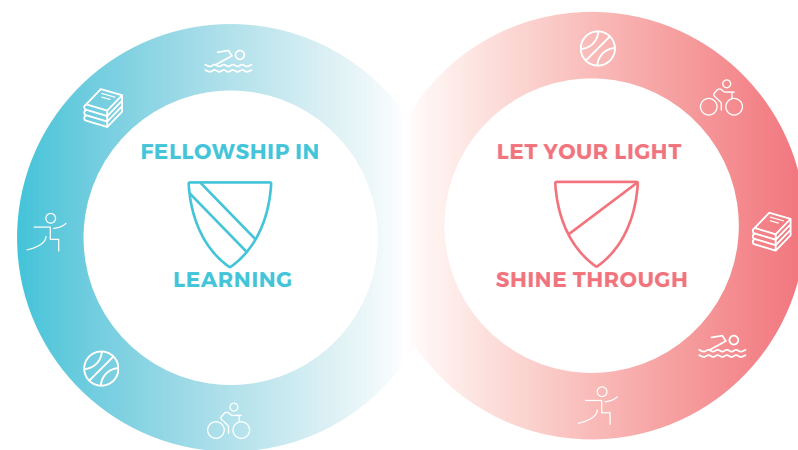


## 2.1 PHILOSOPHY VISION

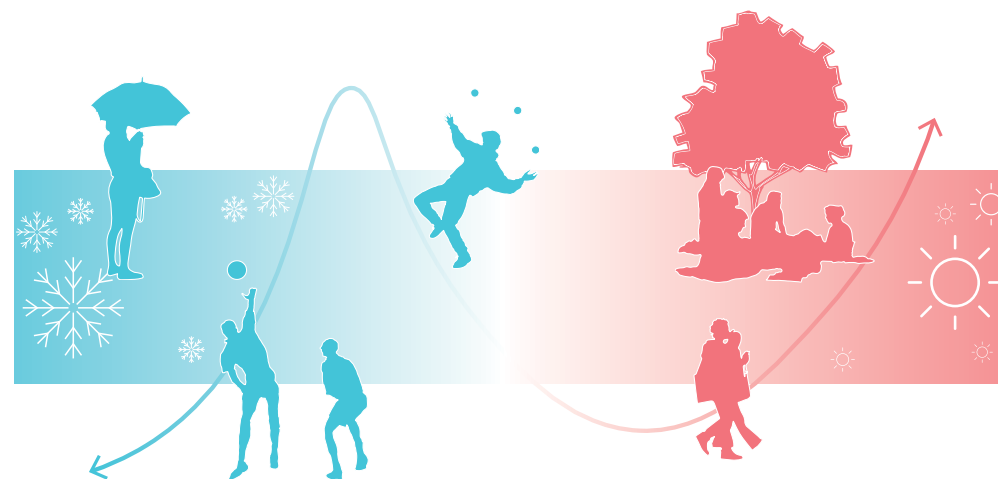




## 2.2 PHILOSOPHY PRINCIPLES



CELEBRATE THE UNIQUE  
CULTURE OF EACH COLLEGE &  
TELL THEIR STORY

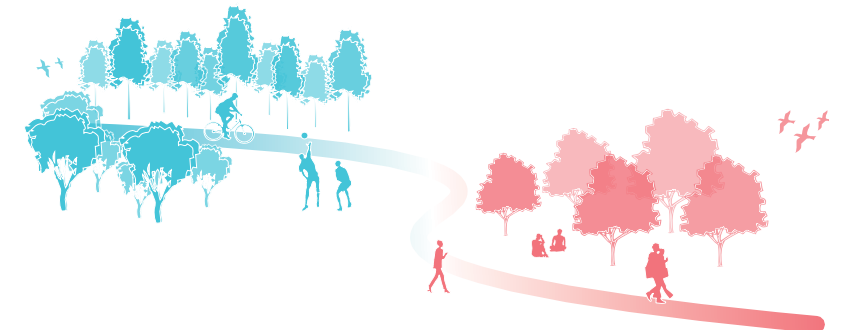


RESPOND TO THE ARMIDALE  
CLIMATE TO ENSURE  
COMFORTABLE OUTDOOR AREAS

- PROVIDING SHELTER & WARM SPACES
- CONSIDER DRYING ROOMS FOR WINTER
- PLEASANT JOURNIES TO CLASS & BACK
- EVERGREEN VS DECIDUOUS TREES
- COMFORTABLE GATHERING SPACES
- THE USE OF WATER IN THE LANDSCAPE
- PROVIDE OUTDOOR SPACES WITH SHADE
- CONSIDER WATER BUBBLER'S

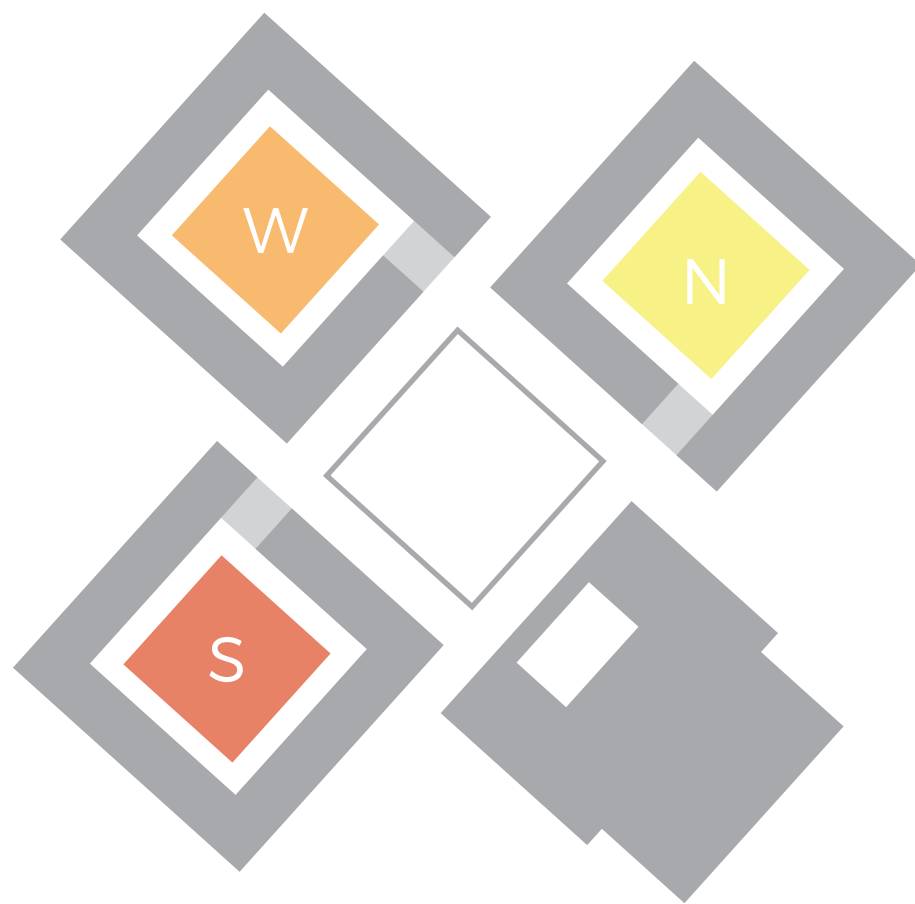


RESPECT & STRENGTHEN THE  
EXISTING CAMPUS LANDSCAPE  
CHARACTER

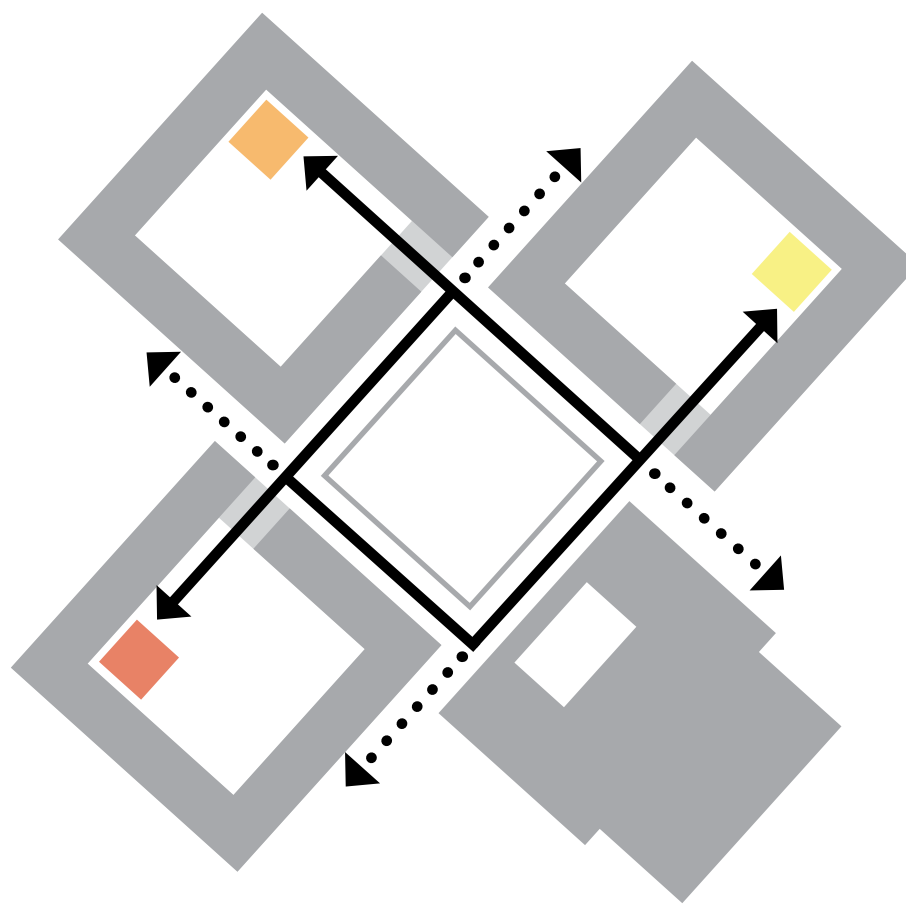




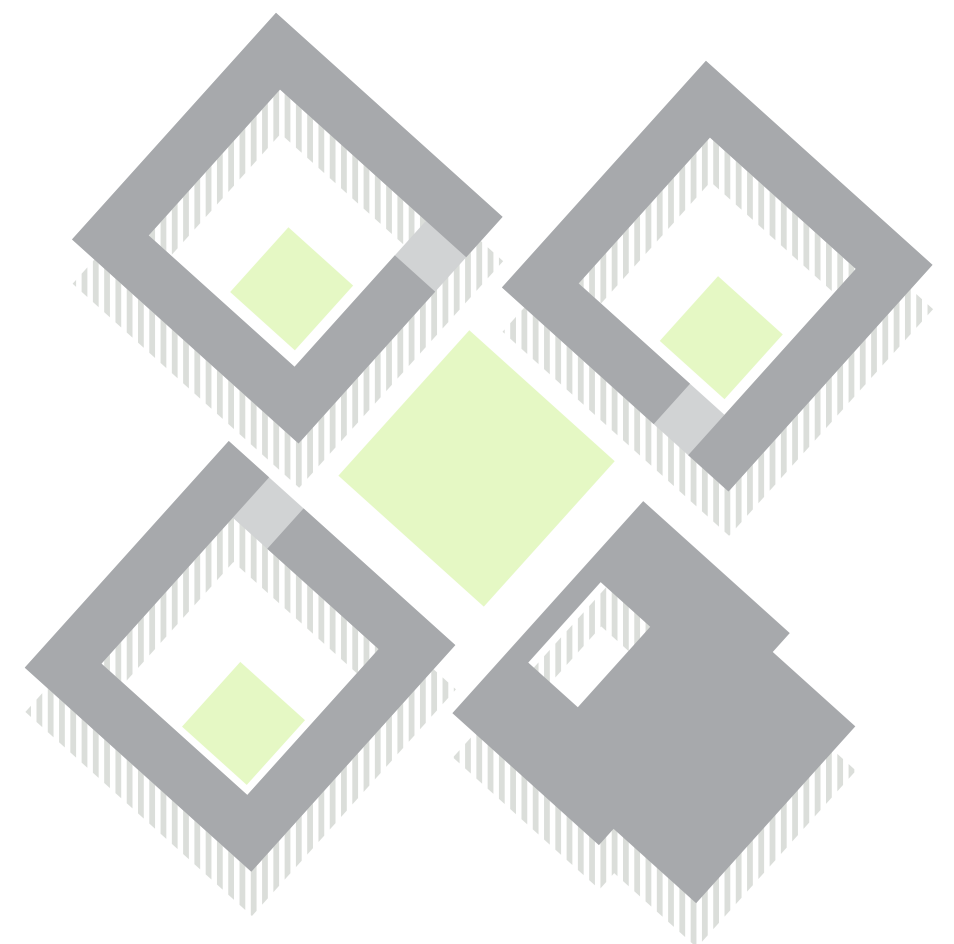
## 2.3 DESIGN STRATEGIES



SEASONAL DNA



AXIS + VISTA



LIGHT + SHADE



—

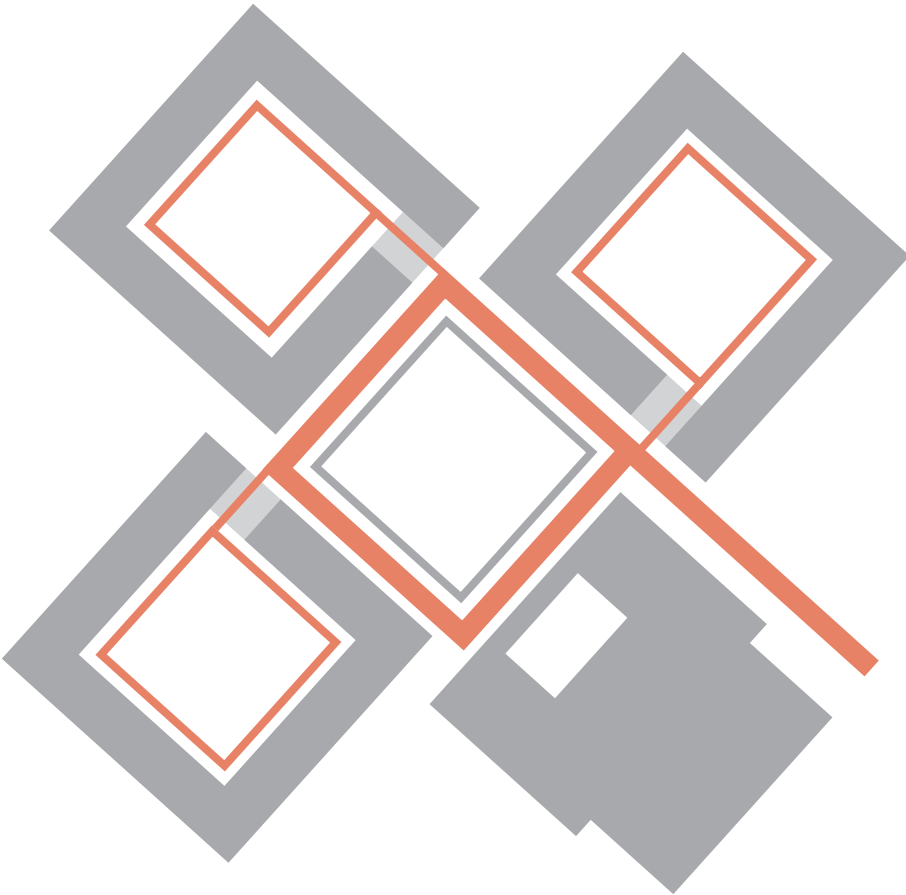
## 2.3 DESIGN STRATEGIES

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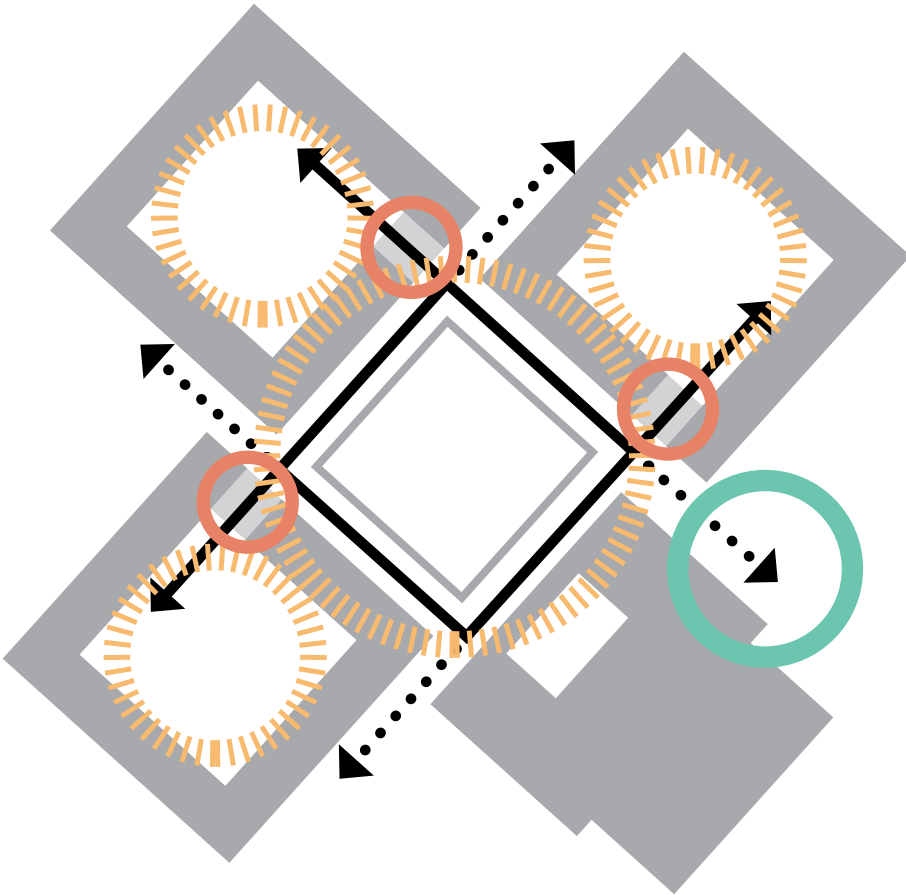


PROGRAM

- PAVILION (EATING/DINING)
- AMENITY (SEATING/ACTIVE/STUDY)
- BLOCK GREEN (ACTIVE/OPEN SPACE)
- VILLAGE GREEN (MEETING PLACE)



HEIRACHY



GATEWAY THRESHOLD

- COLLEGE THRESHOLD
- BLOCK THRESHOLD
- ARRIVAL EXPERIENCE



## 2.4 DESIGN THRESHOLD MOMENTS



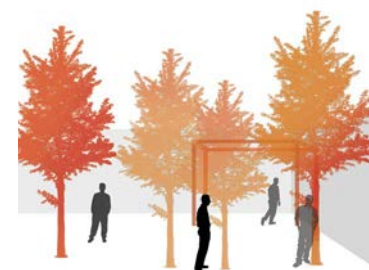
ARRIVAL



ENTRY



OPENING



COURT



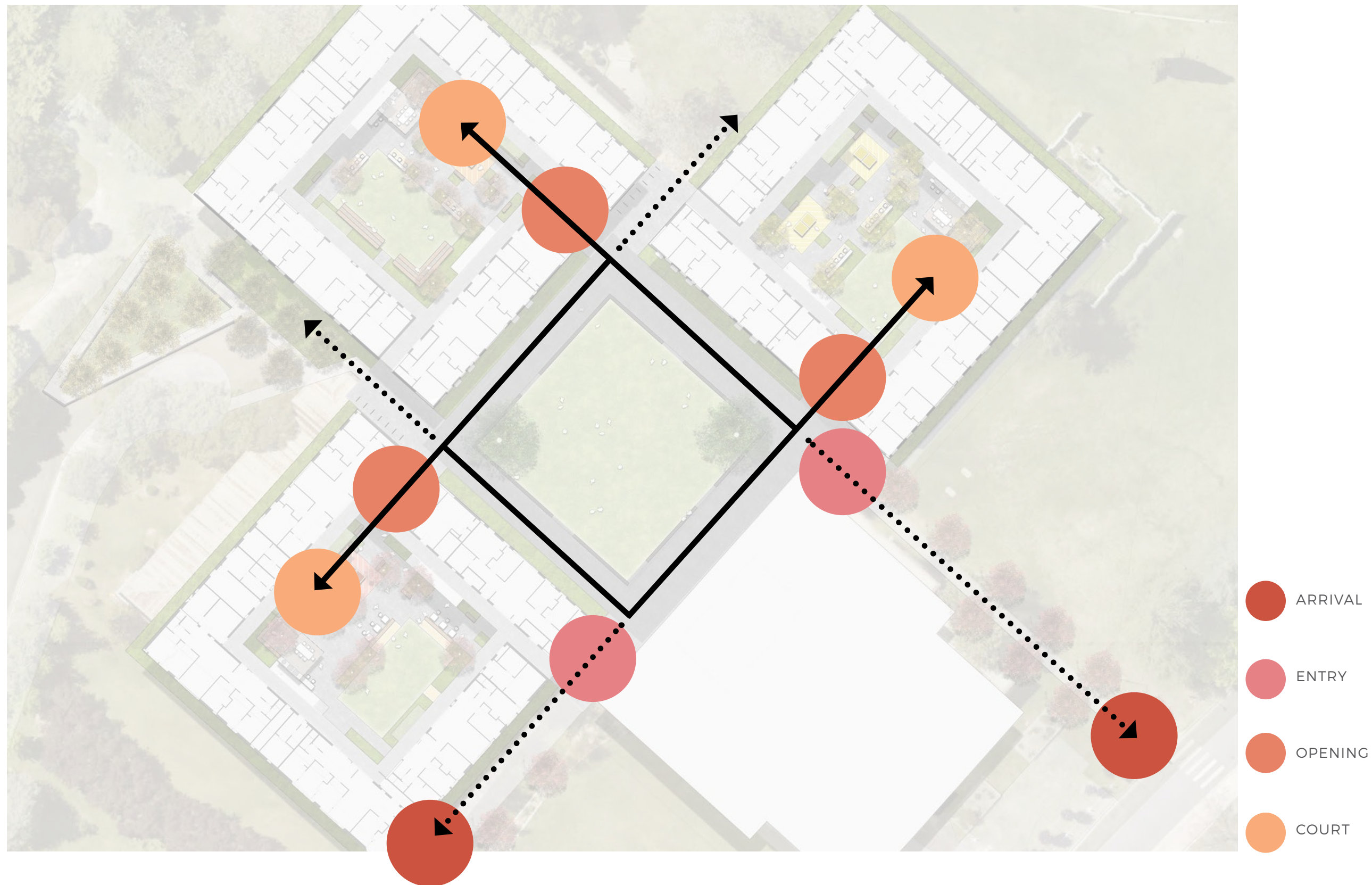
COURT DOOR



ROOM DOOR



## 2.4 DESIGN LANDSCAPE THRESHOLD MOMENTS

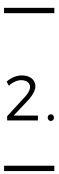




# 2.5 MASTER PLAN







# 2.6 DESIGN VILLAGE GREEN

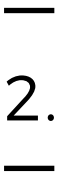


- 1. TURF
- 2. DINING HALL
- 3. BUFFER PLANTING
- 4. FEATURE TREE
- 5. BASALT PAVING

0 1 2 4 6 10M  
SCALE 1:250 @ A3







# 2.7 DESIGN SOUTH COURT



- 1. TURF
- 2. PAVILION
- 3. INDOOR/OUTDOOR BENCH
- 4. BBQ/KITCHEN FACILITIES
- 5. TABLE TENNIS TABLE
- 6. SEATING PODS
- 7. STUDY ZONES
- 8. DECO GRAVEL

0 1 2 4 6 8M  
SCALE 1:200 @ A3





## 2.7 DESIGN SOUTH COURT SECTIONS



SECTION AA - 1:100 @ A3



KEY PLAN

0 0.5 1 2 4M  
SCALE 1:100 @ A3



SECTION BB - 1:100 @ A3



—  
—

# 2.8 DESIGN WEST COURT



- 1. TURF
- 2. PAVILION
- 3. INDOOR/OUTDOOR BENCH
- 4. BBQ/KITCHEN FACILITIES
- 5. TABLE TENNIS TABLE
- 6. SEATING PODS
- 7. RECLINED SEATING EDGE
- 8. WORK BENCH FOR SMALL GROUPS

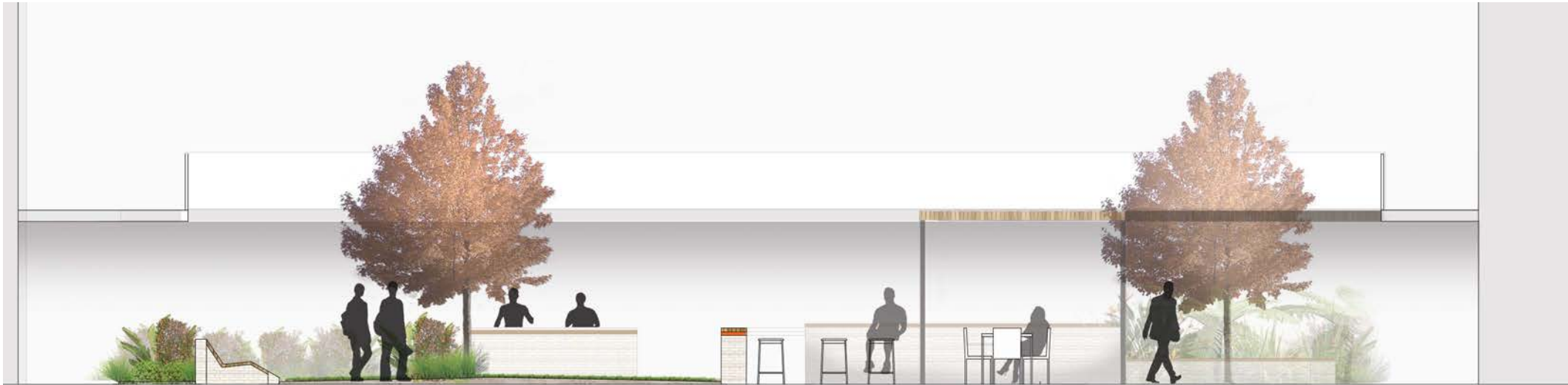
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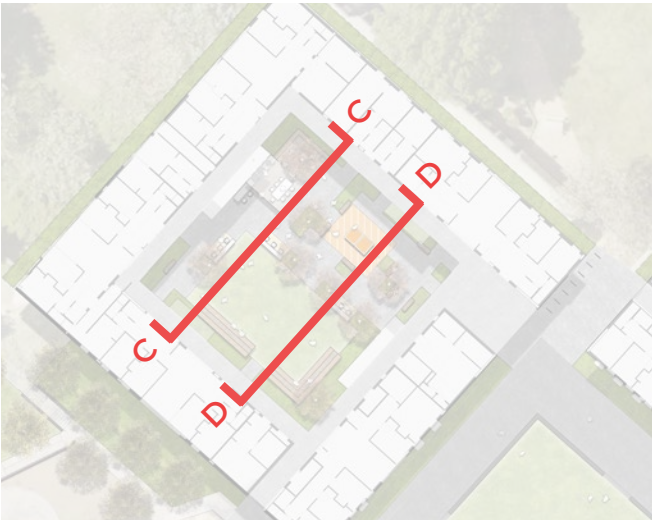


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# 2.8 DESIGN WEST COURT SECTIONS



SECTION CC - 1:100 @ A3



KEY PLAN

0 0.5 1 2 4M  
SCALE 1:100 @ A3



SECTION BB - 1:100 @ A3



—  
—

# 2.9 DESIGN NORTH COURT



- 1. TURF
- 2. PAVILION
- 3. UNDERCOVER BENCH
- 4. BBQ/KITCHEN FACILITIES
- 5. TABLE TENNIS TABLE
- 6. SEATING PODS
- 7. WORK BENCH FOR SMALL GROUPS

0 1 2 4 6 8m  
SCALE 1:200 @ A3





—  
—

# 2.9 DESIGN NORTH COURT SECTIONS



SECTION EE - 1:100 @ A3



KEY PLAN

0 0.5 1 2 4M  
SCALE 1:100 @ A3



SECTION FF - 1:100 @ A3







|

# 3.1 MATERIAL PALETTE

|

PAVEMENTS



EXPOSED AGGREGATE CONCRETE



DECOMPOSED GRANITE



GRANITE PAVING



TIMBER DECKING

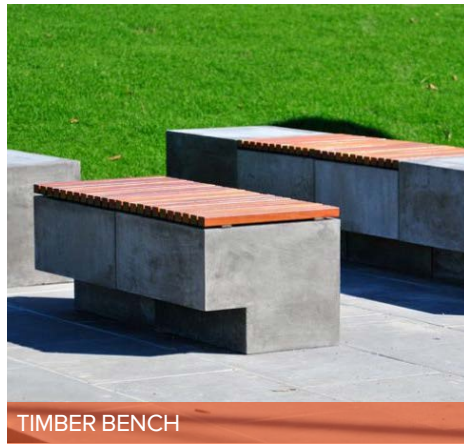


SOFTFALL



BASALT COBBLE

FURNITURE



TIMBER BENCH



TIMBER/STEEL PAVILION



DINING SETS



TABLE TENNIS TABLE

WALLS AND EDGES



BASALT CLAD



CONCRETE



STEEL EDGE



**Technical Note - State Environmental Planting Policy No 44 Koala Habitat Protection**

In response to the State Environmental Planting Policy No 44 Koala Habitat Protection the Robb College project has proposed tree species that are local sources of food for the Koala.


We acknowledge that habitat loss and fragmentation of tree canopy due to urban expansion is a key threat to koala habitat and food supply, including clearing for agriculture, bushfire, road kills, urban fencing, disease and domestic dogs.

The University of New England Robb College Project does not increase its original foot print before the project was proposed and therefore no existing koala habitat has been affected.


The project has proposed local koala feed trees of Mountain White Gum *Eucalyptus dalrympleana* and Yellow Box *Eucalyptus melliodora*. We have located them to the northwest (See Section 2.5 MASTERplan) of the project where the best the most likely location is for Koala habitat would occur within the project boundaries. This will then encourage the linking of koala habitat and provide protection and food for the species.

3.2 PLANTING PALETTE


TREES




Yellow gum




Mountain White GUm




Zelkova serrata




Celtis occidentalis




Ulmus parvifolia




Quercus robur



Pistacia chinensis




Liquidambar styraciflua




Fraxinus sp.


SHRUBS




Acacia siculiformis




Raphiolepis indica




Eremophila nivea




Banksia menziesii



Grevillea 'Noelli'




Chamelaucium uncinatum




Telopea speciosissima


GRASSES



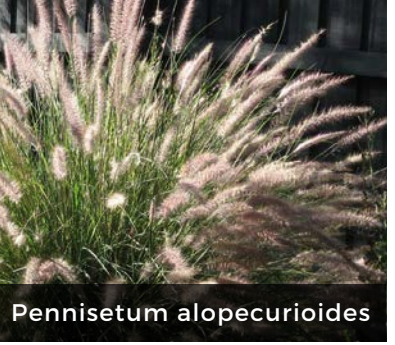
Poa labillardieri




Lomandra multiflora




Lomandra tanika




Pennisetum alopecurioides



Imperata cylindrica




Anigozanthos sp.




Kunzea paucifolia


GROUNDCOVERS




Wahlenbergia sp.



Ajuga australis



Hardenbergia violacea

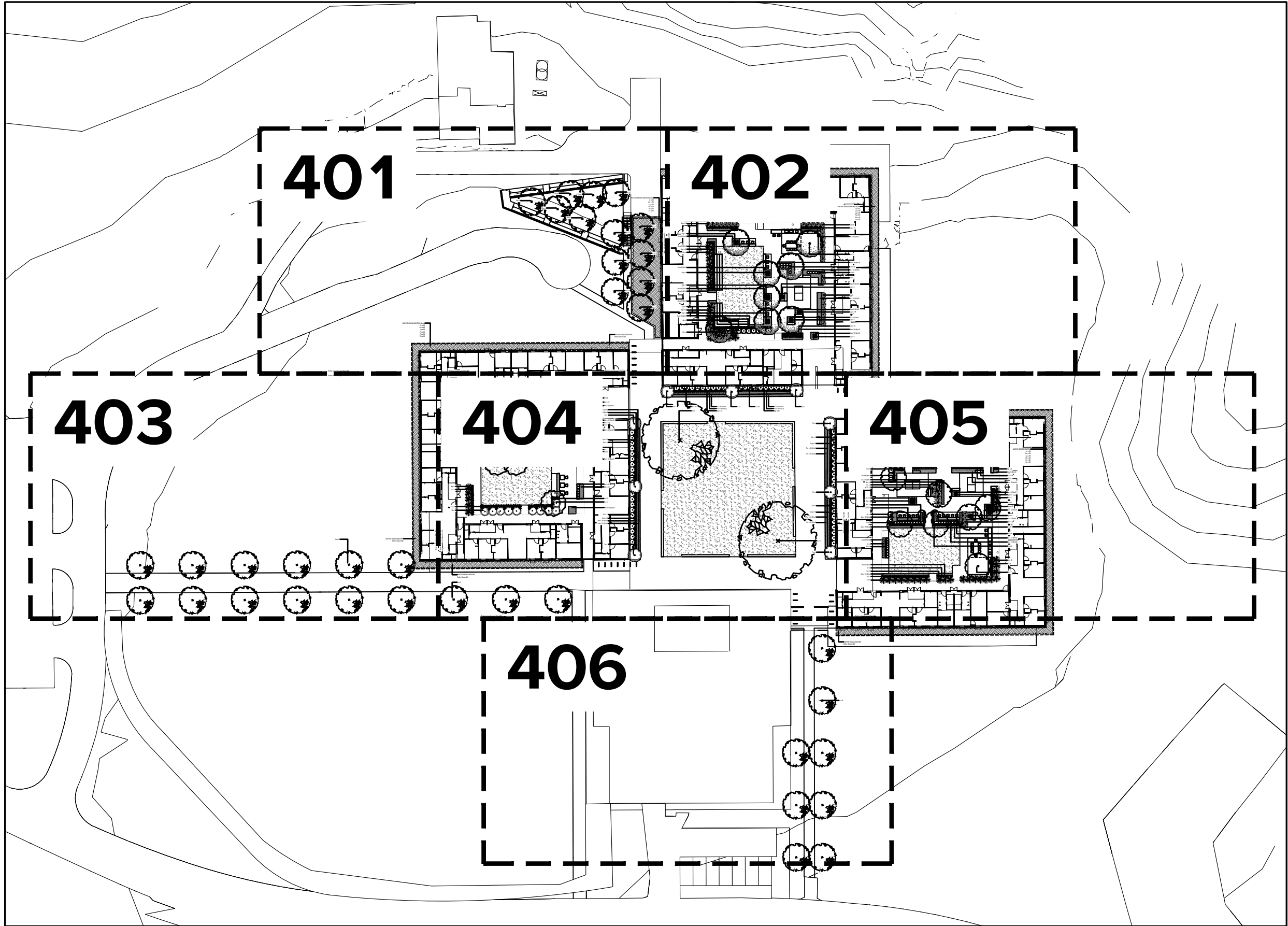


Pultenaea microphylla



18-535 ROBB COLLEGE PLANT SCHEDULE					
CODE	BOTANIC NAME	COMMON NAME	MATURE SIZE (h x w) (m)	PROPOSED POT SIZE	QUANTITY
TREES & PALMS					
Bp	<i>Betula pendula</i>	Silver Birch	10 x 5	200L	7
Em	<i>Eucalyptus melliodora</i>	Yellow Box	15 x 10	200L	7
Ed	<i>Eucalyptus dalrympleana</i>	Mountain White Gum	15 x 10	200L	6
Ls	<i>Liquidambar styraciflua</i>	Sweet Gum	30 x 15	200L	28
Pch	<i>Pistacia chinensis</i>	Chinese Pistachio	15 x 10	200L	7
Qr	<i>Quercus robur</i>	Common Oak	15 x 10	200L	9
SHRUBS & ACCENTS					
Acl	<i>Acacia cognata</i> 'limelight'	Prostrate wattle 'limelight'	0.5 x 0.5	300mm	120
As	<i>Adenanthos sericeus</i>	Woolly Bush	3 x 1.5	300mm	28
Bm	<i>Banksia menziesii</i>	Banksia	1.5 x 1.5	300mm	4
Cu	<i>Chamelaucium uncinatum</i>	Wax flower	1 x 2	300mm	3
Gn	<i>Gevillea</i> 'Noelli'	Noell Grevillea	1.5x1	300mm	61
Ri	<i>Raphiolepis indica</i>	Hawthorn	1.5 x 1.5	300mm	10
Ts	<i>Telopea speciosissima</i>	Waratah	2.5 x 2.5	300mm	9
GRASSES & RUSHES					
Agz	<i>Anigozanthos</i> spp.	Kangaroo Paw	1.5 x 0.5	150mm	420
Ic	<i>Imperata cylindrica</i>	Blady Grass	1 x 1.5	150mm	322
Kp	<i>Kunzea paucifolia</i>	Pretty Pink Myrtle	1x1.5	150mm	56
Lm	<i>Lomandra multiflora</i>	Many-headed Mat rush	1 x 1	150mm	322
Lg	<i>Lomandra</i> 'grey leaf'	Grey Leaf Lomandra	0.6x0.6	150mm	322
Lt	<i>Lomandra</i> 'tanika'	Lomandra Tanika	0.6x0.6	150mm	247
Pa	<i>Pennisetum alopecurioides</i>	Swamp foxtail	1.5x1.5	150mm	322
Pl	<i>Poa labillardieri</i>	Tussock Grass	1x1	150mm	31
Ps	<i>Poa sieberiana</i>	Snow Grass	1 x 1	150mm	322
Ta	<i>Themeda australis</i>	Kangaroo Grass	1 x 1	150mm	322
GROUNDCOVERS & CLIMBERS					
Aa	<i>Ajuga australis</i>	Austral Bugle	0.5 x spreading	150mm	144
Hv	<i>Hardenbergia violacea</i>	Purple Pea	0.6 x spreading	150mm	198
Pm	<i>Pultenaea microphylla</i>	Small Leaved Bush Pea	0.8 x spreading	150mm	198
Wa	<i>Wahlenbergia</i> sp.	Blue Bells	0.5 x spreading	150mm	123

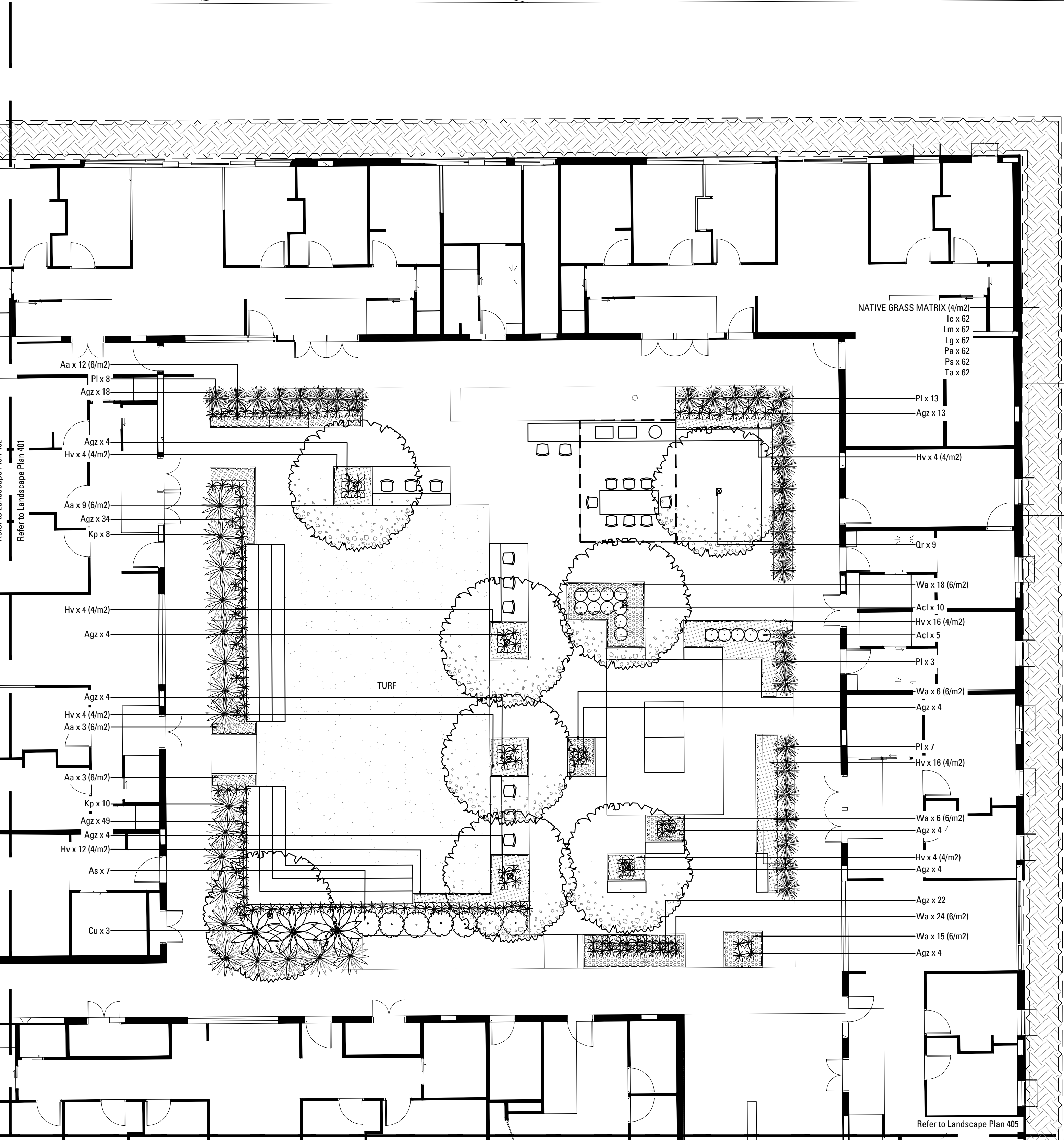
KEY PLAN



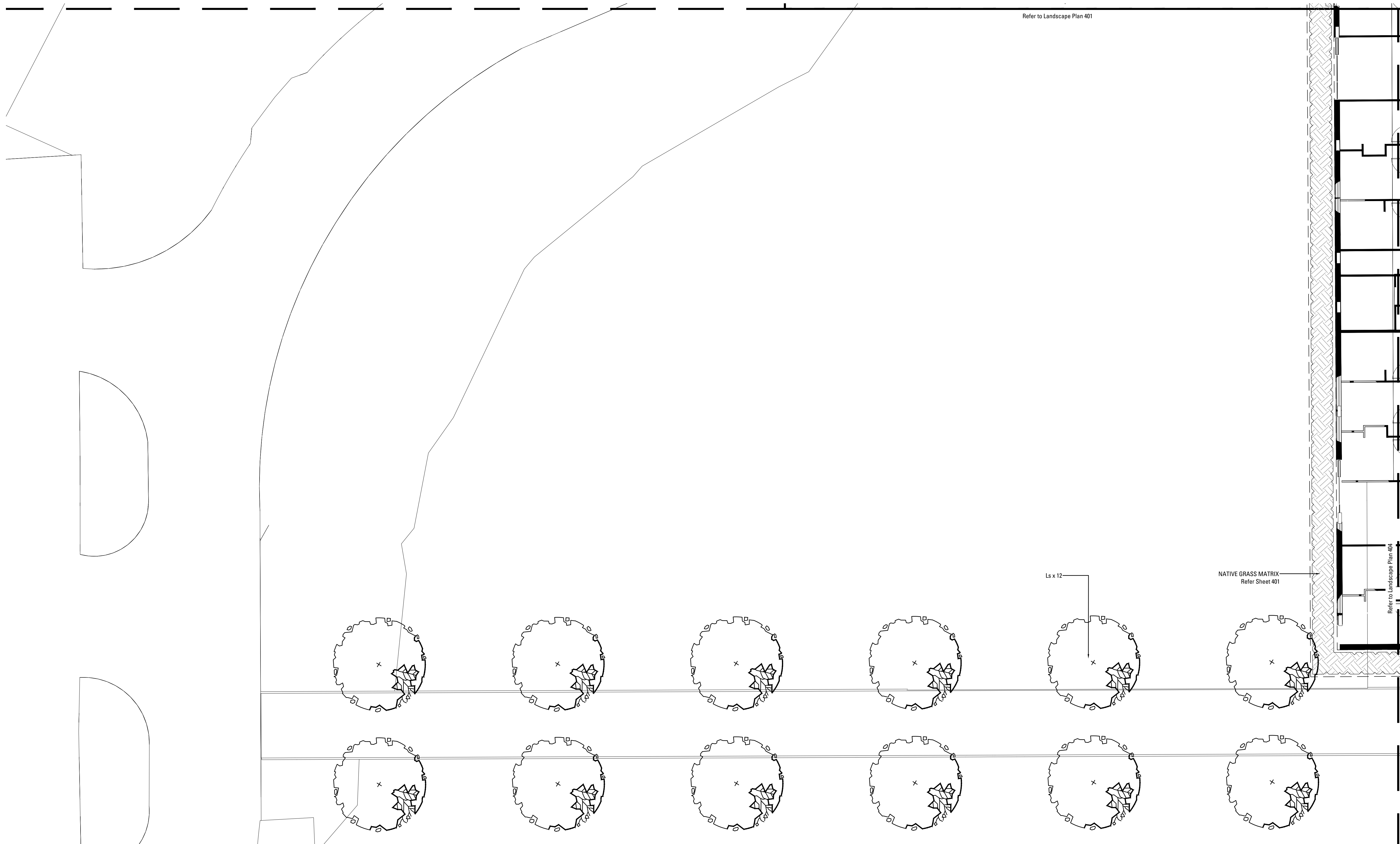




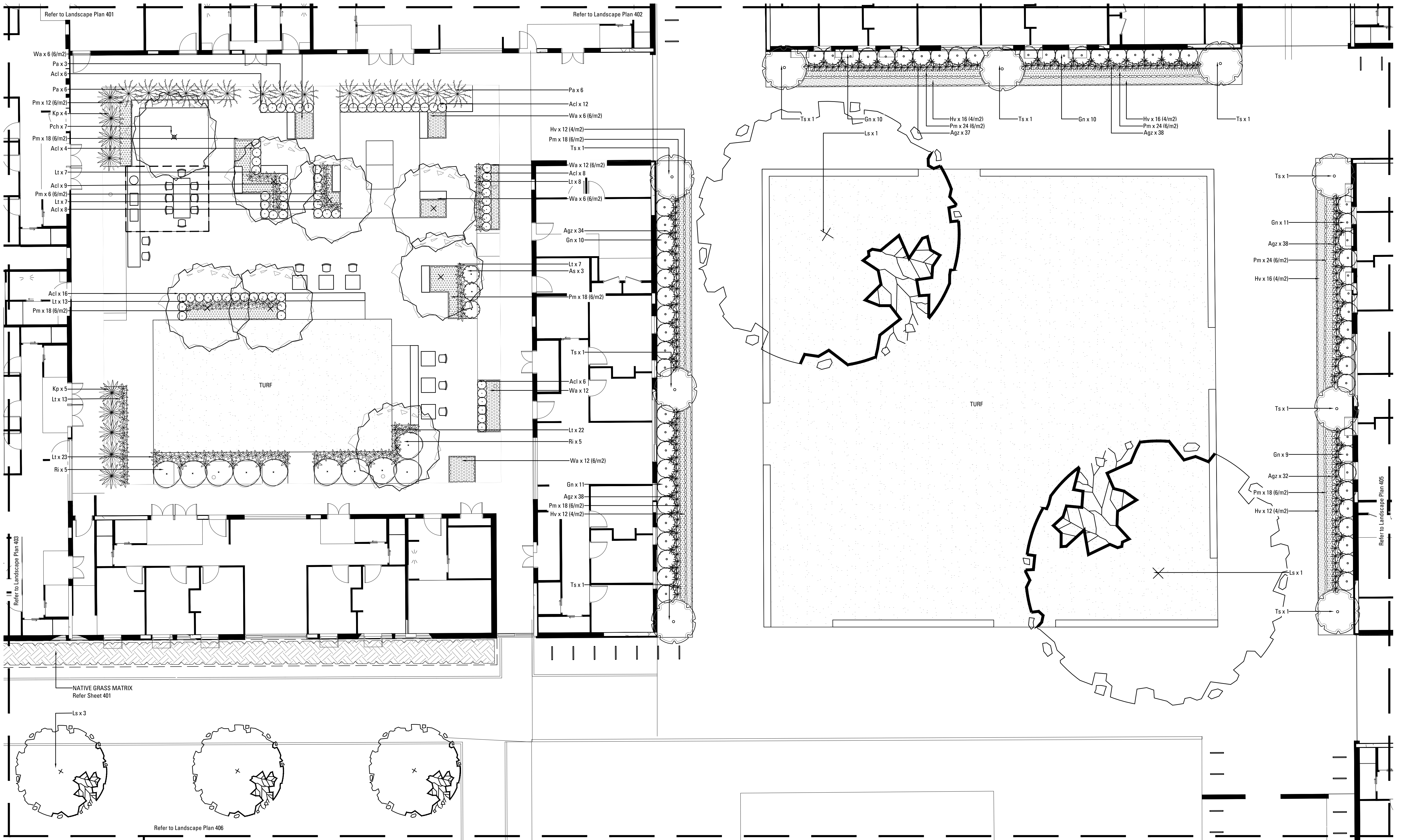




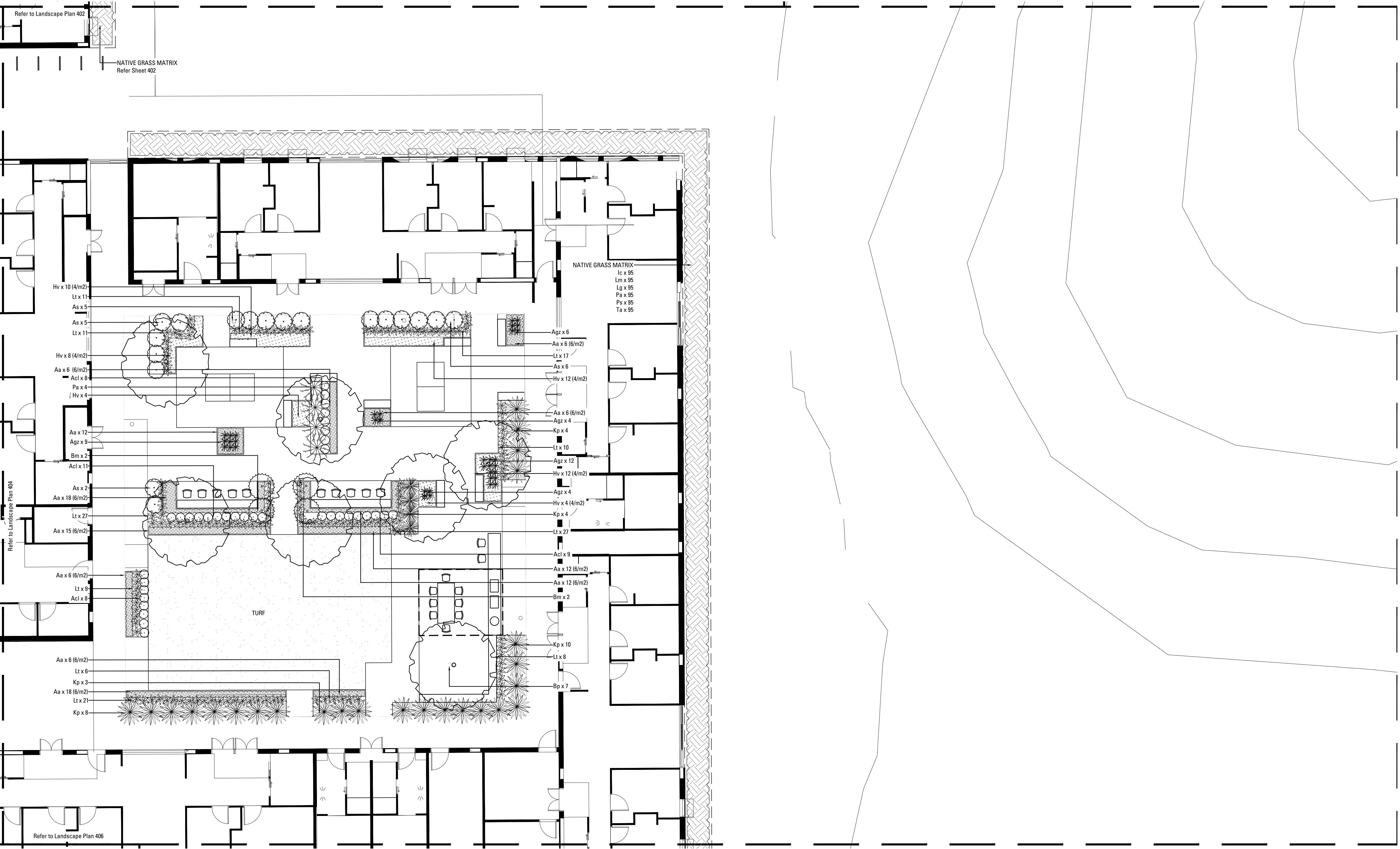














Refer to Landscape Plan 404

Refer to Landscape Plan 405

—NATIVE GRASS MATRIX  
Refer Sheet 405

—Ls x 8

# UNE ROBB COLLEGE ARMIDALE

## DEVELOPMENT APPLICATION



PREPARED BY Arcadia Landscape Architecture  
CLIENT UNE  
ARCHITECT Billard Leece Partnership

DATE March 2019  
SCALE 1:100 @ A1  
ISSUE E

Copyright remains the property of **Arcadia** Landscape Architecture Pty Ltd. Use only figured dimensions. Any other required dimensions are to be referred to and supplied by the landscape architect. All discrepancies to be referred to the project manager and Arcadia Landscape Architecture Pty Ltd prior to construction. Ensure compliance with the Building Code of Australia and all relevant Australian Standards and Authorities



LANDSCAPE SPECIFICATION NOTES

**SERVICES**  
BEFORE LANDSCAPE WORK IS COMMENCED THE LANDSCAPE CONTRACTOR IS TO ESTABLISH THE POSITION OF ALL SERVICE LINES AND ENSURE TREE PLANTING IS CARRIED OUT AT LEAST 3 METRES AWAY FROM THESE SERVICES. SERVICE LIDS, VENTS AND HYDRANTS SHALL BE LEFT EXPOSED AND NOT COVERED BY ANY LANDSCAPE FINISHES (TURFING, PAVING, GARDEN BEDS ETC.) FINISH ADJOINING SURFACES FLUSH WITH PIT LIDS.

**ARBORIST MANAGEMENT OF TREE PROTECTION**  
A QUALIFIED AND APPROVED ARBORIST IS TO BE CONTRACTED TO UNDERTAKE OR MANAGE THE INSTALLATION OF PROTECTIVE FENCING, AND TO UNDERTAKE SUCH MEASURES AS HE DEEMS APPROPRIATE TO PRESERVE THE SUBJECT TREES TO BE RETAINED. THE ARBORIST IS TO BE RETAINED FOR THE ENTIRE CONTRACT PERIOD TO UNDERTAKE ONGOING MANAGEMENT AND REVIEW OF THE TREES.

**DRAINAGE CELL AND FILTER FABRIC**  
FOR ON-SLAB AREAS INSTALL AN APPROVED 'DRAINAGE CELL' PRODUCT TO COMPREHENSIVELY COVER THE BOTTOM OF ALL PLANTERS. OVER DRAINAGE CELL TO ON-SLAB AREAS, A POLYFELT GEOTEXTILE LINING (AS SUPPLIED BY 'POLYFELT'S' OR APPROVED EQUIVALENT) IS TO BE INSTALLED TO COVER THE BOTTOM OF ALL PLANTERS, TURNED UP 300MM AND TAPED TO THE PLANTER SIDES TO ENSURE SOIL MIX DOES NOT ESCAPE INTO DRAINAGE OUTLETS/HOLES. INSTALL MIN. 50MM COARSE RIVER SAND OVER ALL GEOTEXTILE LINING PRIOR TO INSTALLATION OF SOIL MIX.

**PLANTING MIXTURE**  
SHALL BE HOMOGENOUS BLEND OF SOIL AND ADDITIVES IN THE FOLLOWING PROPORTIONS:  
EXISTING SITE SOIL IF SUITABLE OR  
IMPORTED TOPSOIL 50%  
COMPOST 30%  
D/W SAND 20%  
SOIL TESTING OF EXISTING SITE SOIL IS TO BE UNDERTAKEN TO ASSESS SUITABILITY OF USE AS PLANTING TOPSOIL AND COMPLIANCE WITH AUSTRALIAN STANDARDS.

**MULCH APPLICATION**  
PLACE MULCH TO THE REQUIRED DEPTH, (REFER TO DRAWINGS) CLEAR OF PLANT STEMS, AND RAKE TO AN EVEN SURFACE FINISHING 25MM BELOW ADJOINING LEVELS. ENSURE MULCH IS WATERED IN AND TAMPED DOWN DURING INSTALLATION.

**MULCH TYPE**  
PINE BARK: FROM MATURE TREES, GRADED IN SIZE FROM 15MM TO 30MM, FREE FROM WOOD SLIVERS. DARK BROWN IN COLOUR AND TEXTURE.

**COMPOST**  
SHALL BE WELL ROTTED VEGETATIVE MATERIAL OR ANIMAL MANURE, OR OTHER APPROVED MATERIAL, FREE FROM HARMFUL CHEMICALS, GRASS AND WEED GROWTH AND WITH NEUTRAL PH. PROVIDE A CERTIFICATE OF PROOF OF PH UPON REQUEST.

**PLANT MATERIAL**  
ALL PLANTS SUPPLIED ARE TO CONFORM WITH THOSE SPECIES LISTED IN THE PLANT SCHEDULE ON THE DRAWINGS. GENERALLY PLANTS SHALL BE VIGOROUS, WELL ESTABLISHED, HARDENED OFF, OF GOOD FORM CONSISTENT WITH SPECIES OR VARIETY, NOT SOFT OR FORCED, FREE FROM DISEASE OR INSECT PESTS WITH LARGE HEALTHY ROOT SYSTEMS AND NO EVIDENCE OF HAVING BEEN RESTRICTED OR DAMAGED. TREES SHALL HAVE A LEADING SHOOT. IMMEDIATELY REJECT DRIED OUT, DAMAGED OR UNHEALTHY PLANT MATERIAL BEFORE PLANTING. ALL STOCK IS TO BE CONTAINER GROWN FOR A MINIMUM OF SIX (6) MONTHS PRIOR TO DELIVERY TO SITE

**FERTILISER MASS PLANTING AREAS:**  
FERTILISER SHALL BE 'NUTRICOTE' OR APPROVED EQUIVALENT IN GRANULE FORM INTENDED FOR SLOW RELEASE OF PLANT NUTRIENTS OVER A PERIOD OF APPROXIMATELY NINE MONTHS. THOROUGHLY MIX FERTILISER WITH PLANTING MIXTURE AT THE RECOMMENDED RATE, PRIOR TO INSTALLING PLANTS.

**TURF**  
SHALL BE SIR WALTER BUFFALO, SHIRLEYS NO. 17 OR APPROVED EQUAL LAWN FOOD SHALL BE THOROUGHLY MIXED INTO THE TOPSOIL PRIOR TO PLACING TURF.

**TREES IN GRASS AND SUPER ADVANCED TREES:**  
PELLETS SHALL BE IN THE FORM INTENDED TO UNIFORMLY RELEASE PLANT FOOD ELEMENTS FOR A PERIOD OF APPROXIMATELY NINE MONTHS EQUAL TO SHIRLEYS KOKOI PELLETS, ANALYSIS 6:3:1:8:2:9. KOKOI PELLETS SHALL BE PLACED AT THE TIME OF PLANTING TO THE BASE OF THE PLANT, 50MM MINIMUM FROM THE ROOT BALL AT A RATE OF TWO PELLETS PER 300MM OF TOP GROWTH TO A MAXIMUM OF 8 PELLETS PER TREE.

**STAKING AND TYING**  
STAKES SHALL BE STRAIGHT HARDWOOD, FREE FROM KNOTS AND TWISTS, POINTED AT ONE END AND SIZED ACCORDING TO SIZE OF PLANTS TO BE STAKED.  
A. 5-15 LITRE SIZE PLANT 1X(1200X25X25MM)  
B. 35-75 LITRE SIZE PLANT 2X(1500X38X38MM)  
C. 100-GREATER THAN 200LITRE 3X(1800X30X30MM)  
TIES SHALL BE 50MM WIDE HESSIAN WEBBING OR APPROVED EQUIVALENT NAILED OR STAPLED TO STAKE. DRIVE STAKES A MINIMUM ONE THIRD OF THEIR LENGTH, AVOIDING DAMAGE TO THE ROOT SYSTEM, ON THE WINDWARD SIDE OF THE PLANT.

**IRRIGATION SYSTEM**  
SUPPLY AN AUTOMATIC WATERING SYSTEM USING 'TORO' IRRIGATION SYSTEM' OR SIMILAR APPROVED, WITH MICRO-JET SPRINKLER HEADS AND LOW DENSITY, RUBBER MODIFIED POLYPROPYLENE RETICULATION, TO INCLUDE FILTERS, BENDS, JUNCTIONS, ENDS AND OTHER ANCILLARY EQUIPMENT. THE LANDSCAPER SHALL NOMINATE HIS SOURCE OF SUPPLY FOR THE WATERING SYSTEM AND OBTAIN APPROVAL FROM THE SUPERINTENDENT BEFORE PLACING ORDERS FOR EQUIPMENT OR SUPPLY.

A SCHEMATIC PLAN OF THE PROPOSED IRRIGATION SYSTEM IS TO BE PREPARED BY THE CONTRACTOR, SHOWING SOLENOIDS, PIPE DIAMETERS, AND ALL NOZZLE AND TRICKLE ATTACHMENT TYPES (INCLUDING SPRAY/HEAD ANGLE), FOR REVIEW BY THE SUPERINTENDENT PRIOR TO INSTALLATION

THE CONTRACTOR IS TO LIASE WITH THE HYDRAULIC ENGINEER AND COUNCIL AS NECESSARY, TO ENSURE THE THE IRRIGATION SYSTEM CONFORMS WITH ALL THE COUNCIL AND WATER BOARD CODES AND REQUIREMENTS.

PROVIDE AN AUTOMATIC CONTROLLER THAT PROVIDES FOR TWO WEEK SCHEDULING AND HOURLY MULTI-CYCLE OPERATION. THE CONTROLLER SHALL MANUAL OVERRIDE, PROGRAMMING SHALL BE UNDERTAKEN BY THE CONTRACTOR WHO SHALL ADVISE ON THE OPERATION OF THE SYSTEM.

PROVISION OF SECURE HOUSING FOR THE AUTOMATIC IRRIGATION CONTROLLER TO BE LOCATED IN ASSOCIATION WITH THE LANDSCAPE CONTRACTOR AND LOCATION CONFIRMED BY THE SUPERINTENDENT. WIRING TO CONNECT REMOTE SOLENOID LOCATIONS IS TO BE PROVIDED. THE CONTROLLER SHALL BE LOCATED IN A DRY PLACE, PROTECTED FROM THE WEATHER, AND ALL CABLE CONNECTIONS SHALL BE MADE WITH WATERPROOF CONNECTORS.

WATER SUPPLY POINTS TO BE SUPPLIED BY BUILDER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE AND GUARANTEE SATISFACTORY OPERATION OF THE IRRIGATION SYSTEM.

AFTER THE SYSTEM HAS BEEN INSTALLED TO THE SATISFACTION OF THE SUPERINTENDENT, THE INSTALLATION SHALL BE TESTED UNDER KNOWN WORKING CONDITIONS. ACCEPTANCE OF THE INSTALLED PLANT AND EQUIPMENT SHALL BE SUBJECT TO THESE BEING SATISFACTORY.

**TREATED PINE TIMBER EDGING**  
TIMBER EDGE: 100 X 25MM CCA TREATED RADIATA PINE TIMBER STAKES: 50 X 50 X 500MM CCA TREATED RADIATA PINE-SHARPENED AT ONE END. INSTALL IN LOCATIONS SHOWN ON THE DRAWINGS FLUSH TO FINISHED SURFACE LEVELS.

**TURF**  
TURF ALL LANDSCAPE AREAS AS SHOWN ON THE LANDSCAPE DRAWINGS. TURF IS TO HAVE AN EVEN THICKNESS OF NOT LESS THAN 25MM. OBTAIN TURF FROM AN APPROVED GROWER, FURNISH A WARRANTY FROM THE GROWER THAT THE TURF IS FREE FROM WEEDS AND OTHER FOREIGN MATTER. DELIVER TURF TO THE SITE WITHIN 24 HOURS OF BEING CUT, AND LAY IT WITHIN 24 HOURS OF BEING DELIVERED.

TO PREPARE GRADED AREAS TO RECEIVE TURF, EXCAVATE THE AREA AND CULTIVATE SO AS TO ALLOW FOR IMPORTING OF 100MM OF TURF UNDERLAY SOIL. REMOVE ALL STONES OVER 50MM Ø AND REMOVE ALL WEEDS AND FOREIGN MATTER. SPREAD SOIL MIX A.B.S TO A DEPTH OF 100MM AND GRADE TO APPROPRIATE LEVELS TO ACHIEVE GENERAL EVEN GRADES TO DRAINAGE OUTLETS INSTALLED BY OTHERS.

LAY THE TURF ALONG THE LAND CONTOURS WITH STAGGERED, CLOSE BUTTED JOINTS, SO THAT THE FINISHED TURF SURFACE IS FLUSH WITH ADJACENT FINISHED SURFACES OF PAVING AND THE LIKE. AS SOON AS PRACTICABLE AFTER LAYING, ROLL THE TURF WITH A ROLLER WEIGHING NOT MORE THAN 90KG PER METRE OF WIDTH FOR SANDY OR LIGHT SOILS.

WATER AS NECESSARY TO KEEP THE SOIL MOIST TO A DEPTH OF 100MM. PROTECT NEWLY TURRED AREAS AGAINST TRAFFIC UNTIL GRASS IS ESTABLISHED. FERTILISE TWO WEEKS AFTER LAYING FERTILISE A.B.S

'TOP DRESS' THE TURF WHEN IT IS ESTABLISHED TO A DEPTH OF 10MM WITH COARSE WASHED RIVER SAND. RUB THE DRESSING WELL INTO THE JOINTS AND CORRECT ANY UNEVENNESS IN THE TURF SURFACES.

LANDSCAPE MAINTENANCE PROGRAM

MAINTENANCE SHALL MEAN THE CARE AND MAINTENANCE OF THE LANDSCAPE WORKS BY ACCEPTED HORTICULTURAL PRACTICE AS RECTIFYING ANY DEFECTS THAT BECOME APPARENT IN THE LANDSCAPE WORKS UNDER NORMAL USE. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, WATERING, MOWING, FERTILISING, RESEEDING, RETURFING, WEEDING, PEST AND DISEASE CONTROL, STAKING AND TYING, REPLANTING, CULTIVATION, PRUNING, AERATING, RENOVATING, TOP DRESSING, MAINTAINING THE SITE IN A NEAT AND TIDY CONDITION AS FOLLOWS:

**GENERAL**  
THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE WORKS FOR THE TERM OF THE MAINTENANCE (OR PLANT ESTABLISHMENT) PERIOD TO THE SATISFACTION OF THE COUNCIL. THE LANDSCAPE CONTRACTOR SHALL ATTEND TO THE SITE ON A WEEKLY BASIS. THE MAINTENANCE PERIOD SHALL COMMENCE AT PRACTICAL COMPLETION AND CONTINUE FOR A PERIOD OF TWENTY SIX (26) WEEKS.

**WATERING**  
GRASS, TREES AND GARDEN AREAS SHALL BE WATERED REGULARLY SO AS TO ENSURE CONTINUOUS HEALTHY GROWTH.

**RUBBISH REMOVAL**  
DURING THE TERM OF THE MAINTENANCE PERIOD THE LANDSCAPE CONTRACTOR SHALL REMOVE RUBBISH THAT MAY OCCUR AND REOCCUR THROUGHOUT THE MAINTENANCE PERIOD. THIS WORK SHALL BE CARRIED OUT REGULARLY SO THAT AT WEEKLY INTERVALS THE AREA MAY BE OBSERVED IN A COMPLETELY CLEAN AND TIDY CONDITION.

**REPLACEMENTS**  
THE LANDSCAPE CONTRACTOR SHALL REPLACE ALL PLANTS THAT ARE MISSING, UNHEALTHY OR DEAD AT THE LANDSCAPE CONTRACTOR'S COST. REPLACEMENTS SHALL BE OF THE SAME SIZE, QUALITY AND SPECIES AS THE PLANT THAT HAS FAILED UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. REPLACEMENTS SHALL BE MADE ON A CONTINUING BASIS NOT EXCEEDING TWO (2) WEEKS AFTER THE PLANT HAS DIED OR IS SEEN TO BE MISSING.

**STAKES AND TIES**  
THE LANDSCAPE CONTRACTOR SHALL REPLACE OR ADJUST PLANT STAKES, AND TREE GUARDS AS NECESSARY OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. REMOVE STAKES AND TIES AT THE END OF THE MAINTENANCE PERIOD IF SO DIRECTED.

**PRUNING**  
TREES AND SHRUBS SHALL BE PRUNED AS DIRECTED BY THE LANDSCAPE ARCHITECT. PRUNING WILL BE DIRECTED AT THE MAINTENANCE OF THE DENSE FOLIAGE OR MISCELLANEOUS PRUNING AND BENEFICIAL TO THE CONDITION OF THE PLANTS. ANY DAMAGED GROWTH SHALL BE PRUNED. ALL PRUNED MATERIAL SHALL BE REMOVED FROM THE SITE.

**MULCHED SURFACES**  
ALL MULCHED SURFACES SHALL BE MAINTAINED IN A CLEAN AND TIDY CONDITION AND BE REINSTITATED IF NECESSARY TO ENSURE THAT A DEPTH OF 75MM IS MAINTAINED. ENSURE MULCH IS KEPT CLEAR OF PLANT STEMS AT ALL TIMES.

**PEST AND DISEASED CONTROL**  
THE LANDSCAPE CONTRACTOR SHALL SPRAY AGAINST INSECT AND FUNGUS INFESTATION WITH ALL SPRAYING TO BE CARRIED OUT IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. REPORT ALL INSTANCES OF PESTS AND DISEASES (IMMEDIATELY THAT THEY ARE DETECTED) TO THE LANDSCAPE ARCHITECT.

**GRASS AND TURF AREAS**  
THE LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL GRASS AND TURF AREAS BY WATERING, WEEDING, DRESSING, ROLLING, MOWING, TRIMMING OR OTHER OPERATIONS AS NECESSARY. SEED AND TURF SPECIES SHALL BE THE SAME AS THE ORIGINAL SPECIFIED MIXTURE. GRASS AND TURF AREAS SHALL BE SPRAYED WITH APPROVED SELECTIVE HERBICIDE AGAINST BROAD LEAFED WEEDS AS REQUIRED BY THE LANDSCAPE ARCHITECT AND IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. GRASS AND TURF AREAS SHALL BE FERTILISED ONCE A YEAR IN AUTUMN WITH 'DYNAMIC LIFTER' FOR LAWNS AT A RATE OF 20KG PER 100M2. FERTILISER SHALL BE WATERED IN IMMEDIATELY AFTER APPLICATION. IRREGULARITIES IN THE GRASS AND TURF SHALL BE WATERED IN IMMEDIATELY AFTER APPLICATION. GRASS AND TURF AREAS SHALL BE KEPT MOWN TO MAINTAIN A HEALTHY AND VIGOROUS SWARD. MOWING HEIGHT: 30-50MM.

**WEED ERADICATION**  
ERADICATE WEEDS BY ENVIRONMENTALLY ACCEPTABLE METHODS USING A NON-RESIDUAL GLYPHOSATE HERBICIDE (EG. 'ROUNDUP') IN ANY OF ITS REGISTERED FORMULAE, AT THE RECOMMENDED MAXIMUM RATE. REGULARLY REMOVE BY HAND, WEED GROWTH THAT MAY OCCUR OR RECUR THROUGHOUT GRASSED, PLANTED AND MULCHED AREAS. REMOVE WEED GROWTH FROM AN AREA 750MM DIAMETER AROUND THE BASE OF TREES IN GRASSED AREAS. CONTINUE ERADICATION THROUGHOUT THE COURSE OF THE WORKS AND DURING THE MAINTENANCE PERIOD.

**SOIL SUBSIDENCE**  
ANY SOIL SUBSIDENCE OR EROSION WHICH MAY OCCUR AFTER THE SOIL FILLING AND PREPARATION OPERATIONS SHALL BE MADE GOOD BY THE LANDSCAPE CONTRACTOR AT NO COST TO THE CLIENT.

