



LOCATION PLAN

LIST OF DRAWINGS

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St Luke's Grammar School

NEW SENIOR SCHOOL AND SPORTS CENTRE

800 PITTWATER ROAD & 224 HEADLAND ROAD, DEE WHY

LANDSCAPE DEVELOPMENT APPLICATION

Prepared for



by

spackman
mossop
michaels

PROJECT
ST LUKE'S GRAMMAR SCHOOL
NEW SENIOR SCHOOL AND SPORTS CENTRE

DRAWING
Cover Page

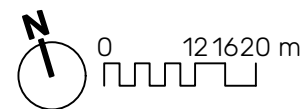
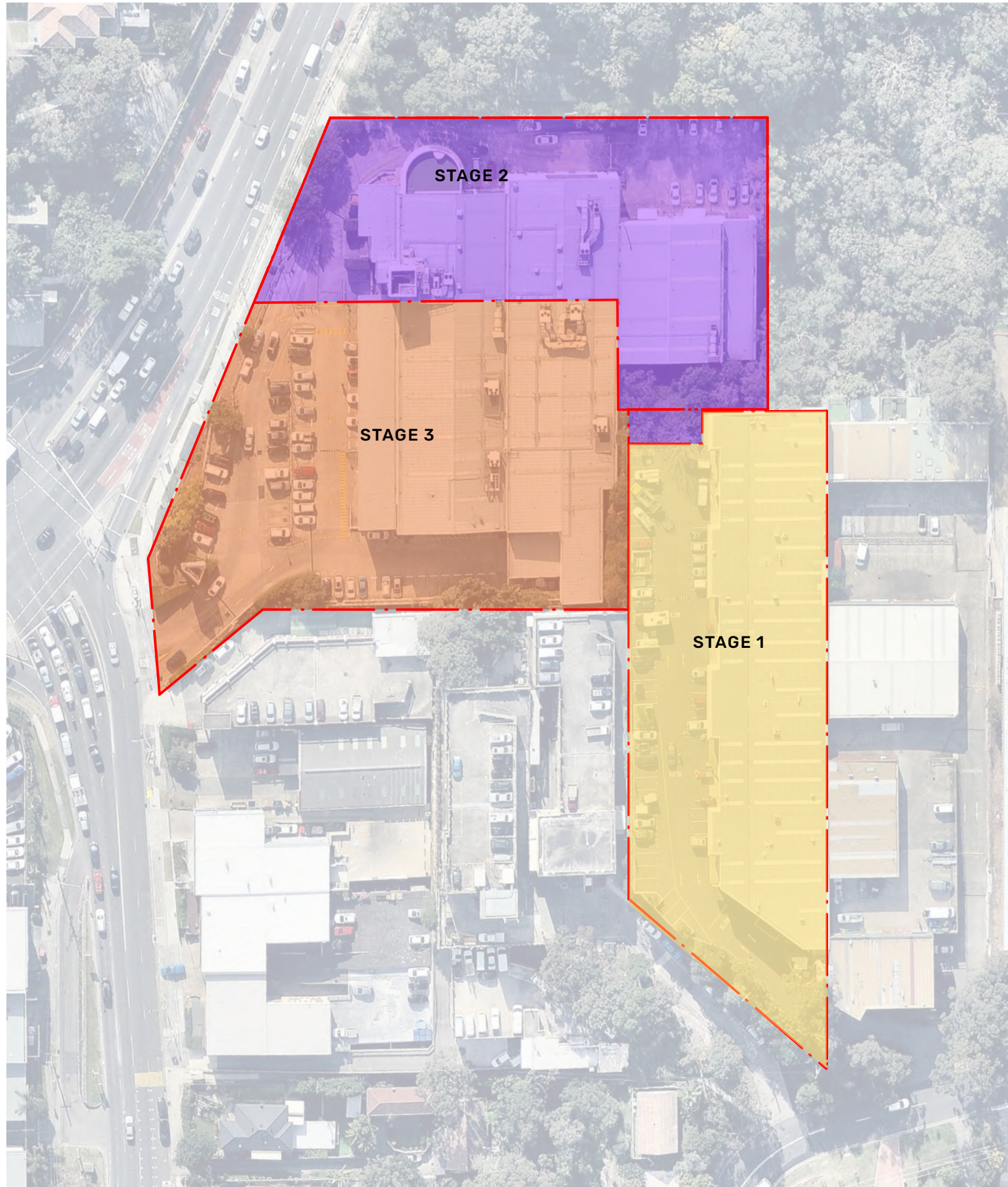
DRAWING NUMBER L-001 SCALE 1:500

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SMM PROJECT No. 19063 ISSUE C DATE 19/3/20

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PROJECT STAGING



DESIGN STATEMENT

Spackman Mossop Michaels has been engaged by Midson on behalf of St Luke’s Grammar School (SLGS) to prepare a Landscape Plan and brief Landscape Statement for the proposed development of St Luke’s Grammar School new Senior School at 880 Pittwater Road and Sports Centre at 224 Headland Road in Dee Why for the Development Application submission to Northern Beaches Council. The Landscape documentation and this landscape statement should be read in conjunction with the Architectural drawings prepared by Tonkin Zulaikha Greer (TZG) and other specialist reports submitted with the Development Application.

LANDSCAPE DESIGN PRINCIPLES + OBJECTIVES

The 800 Pittwater Road site overlooks the intersection of Pittwater Road, Warringah Road and Harbord Road, a site that provides a symbolic gateway to Dee Why. The landscape design around the existing iconic heritage building plays a prominent role in delivering SLGS’s vision for the new expanded campus while also providing opportunity to communicate SLGS’s education philosophy to the wider community. The incorporation of a strong presence of native vegetation is used to integrate the site with the surrounding Stony Range Botanic Garden while also helping to create an interesting, engaging and valuable learning environment on the northern edge of the school grounds.

Groundfloor

- Enhancing the heritage and cultural character of the site through vegetation, public art and landscape elements at 800 Pittwater Road entrance.
- Maximising views and vistas into the site while maintaining appropriate security and surveillance within the site utilising Crime Prevention Through Environmental Design (CPTED) strategies. The landscape treatment along Pittwater and Warringah Roads will be key to achieving this.
- Improve access and circulation including entries, pedestrian access, parking and walking distance, consider both circulation to/ from broader campus and neighbourhood and within the site and logical wayfinding.
- Reduce possible conflict between school buses, cars, pedestrians and cyclists and within the Kiss and Drop precinct (CPTED).
- Utilise the building façades to complement and enhance landscape/ public domain
- Establish a design language and palette that reflects the schools character and ambitions.
- Management and sustainability, including storage/ compound areas, water use, drainage etc.

- The landscape treatments to reflect and enhance the adjoining programs inside the school.
- Maximise deep soil zones for larger specimen planting to improve amenity and ecology on site.
- Establish a stronger visual and physical connection between the school grounds and Stony Range Botanic Garden.
- Provide opportunity for inclusion of interpretation of Aboriginal heritage into
- Use robust and ethically sourced materials that minimise maintenance requirements.
- Establish flexible and multi-purposeful landscape that responds to the changing needs of the site at different times of the day and days of the week.

Atrium

- Use native rainforest’s species that are suitable for the indoor micro-climate.
- Continue the landscape design language into the building
- Utilise plant species that provide additional amenity in cooling the building

Rooftop Gardens

- Provide a range of opportunities for passive recreation and educational spaces through the provision of communal seating and planting areas.
- Select durable planting such as climbers and shrubs to screen as well as to provide shelter from the wind and sun.
- Establish quiet seating and study nooks that extends off the communal space.

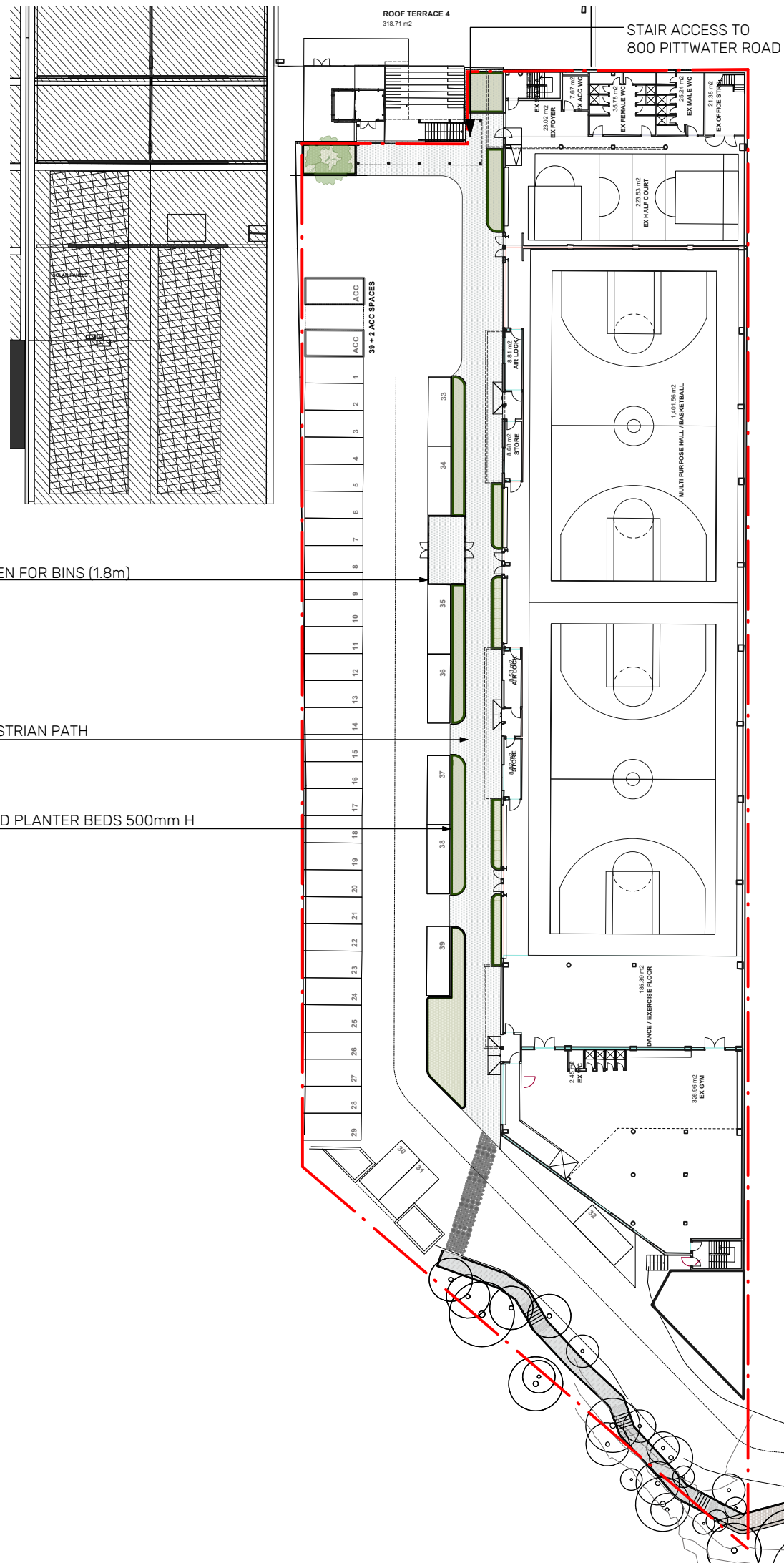
PROJECT
ST LUKE’S GRAMMAR SCHOOL
 NEW SENIOR SCHOOL AND SPORTS CENTRE

DRAWING
 Design Statement and Project Staging

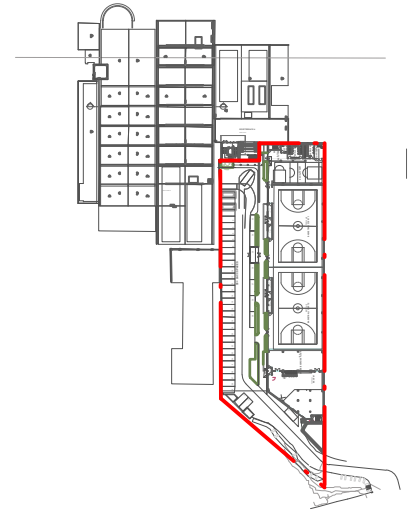
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- KEY**
- EXTENT OF WORK
 - PEDESTRIAN PATH
 - NATIVE GARDEN BEDS
Refer Sheet L-302 for species
 - PROPOSED NATIVE TREE
Cupaniopsis anacardioides



SCREEN FOR BINS (1.8m)

PEDESTRIAN PATH

RAISED PLANTER BEDS 500mm H

PROJECT
ST LUKE'S GRAMMAR SCHOOL
 NEW SENIOR SCHOOL AND SPORTS CENTRE

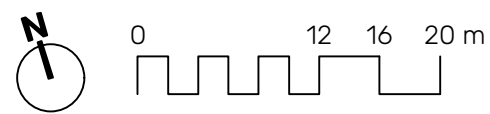
DRAWING
 Stage 1 - Master Plan

DRAWING NUMBER L-101 SCALE 1:500@A3

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VERTICAL TIMBER SLAT FENCE TYPE A AND GATE TO CONNECT TO ADJACENT GARDEN

SCHOOL ENTRY WITH FEATURE MASONARY WALL WITH SCHOOL SIGNAGE

PLATFORM LIFT. REFER ARCHITECTS DRAWINGS

CONCRETE SEATING AND NATIVE GARDEN BEDS

PUBLIC PEDESTRIAN PATH FOR ACCESS TO OFFICEWORKS

GROUPED PEBBLE SEATING

NOISE WALL. REFER ARCHITECTS DRAWINGS

TEMPORARY PALISADE SCHOOL FENCE TYPE B

EXISTING HERITAGE BALUSTRADE RETAINED

NEW PATH AND KERB

NEW BOLLARDS

EXISTING BOLLARDS RETAINED

TEMPORARY FIBREGLASS REINFORCED PLASTIC (FRP) GRATING BOARDWALK WITH HANDRAIL

EXISTING CAR PARK AND LEVELS RETAINED

EXISTING RETAINING WALL

HERITAGE BUS SHELTER

PICK-UP/DROP-OFF AREA LINEMARKING

NEW CONCRETE PATH AND KERB RAMP

NEW HANDRAIL

EXISTING KERB REMOVED

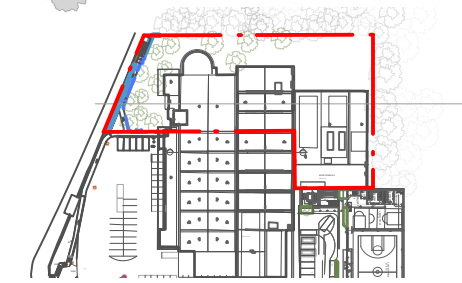
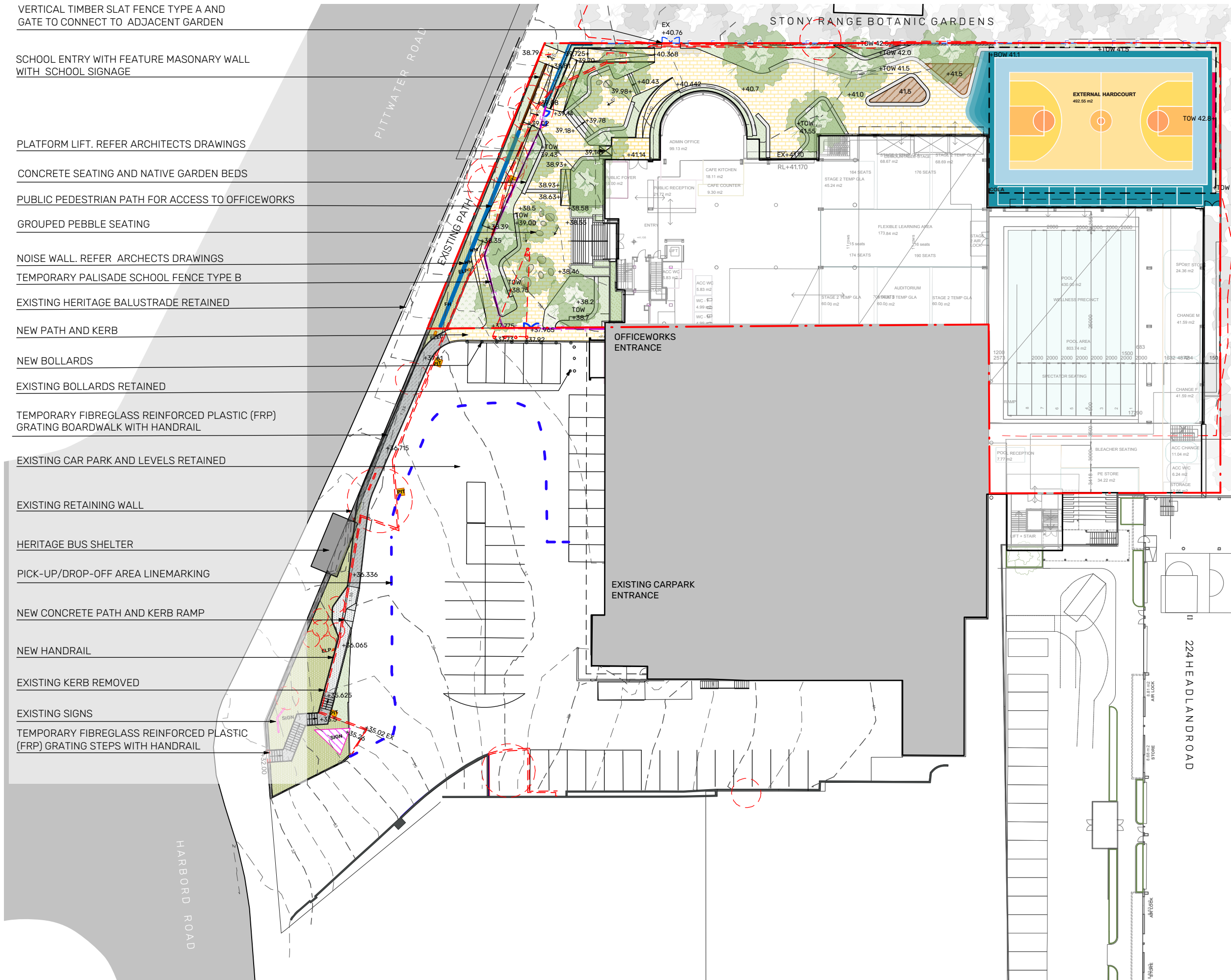
EXISTING SIGNS

TEMPORARY FIBREGLASS REINFORCED PLASTIC (FRP) GRATING STEPS WITH HANDRAIL

STONY RANGE BOTANIC GARDENS

KEY

- 800 PITTSWATER ROAD PROPERTY BOUNDARY
- PAVING TYPE 1
- PAVING TYPE 2
- CONCRETE DRIVEWAY
- FIBREGLASS REINFORCED PLASTIC (FRP) GRATING FOOTPATH
- NATIVE GARDEN BEDS
- TURF
- LOW GROUND COVERS
- TIMBER PLATFORM SEATING WITH CONCRETE EDGE
- SOFT FALL
- SOLID SHADE STRUCTURE
- PEBBLE SEATING
- CONCRETE SEATING
- PING PONG TABLE
- PLEXI GLASS NOISE WALL
- MASONARY NOISE WALL
- GAMES WALL TO EXTERNAL HARDCOURT
- FENCE TYPE A - TIMBER
- FENCE TYPE B - STEEL
- GATE
- REMOVABLE BOLLARDS
- SUBSTATION
- GAS METER / WATER METER / FIRE HYDRANT + SPRINKLER
- EXISTING TREE RETAINED
- EXISTING TREE REMOVED
- PROPOSED NATIVE TREE
- PROPOSED NATIVE PALM
- EXISTING TREES IN STONEY RANGE



PROJECT
ST LUKE'S GRAMMAR SCHOOL
 NEW SENIOR SCHOOL AND SPORTS CENTRE

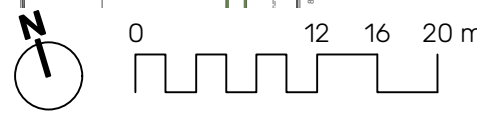
DRAWING
 Stage 2 - Master Plan

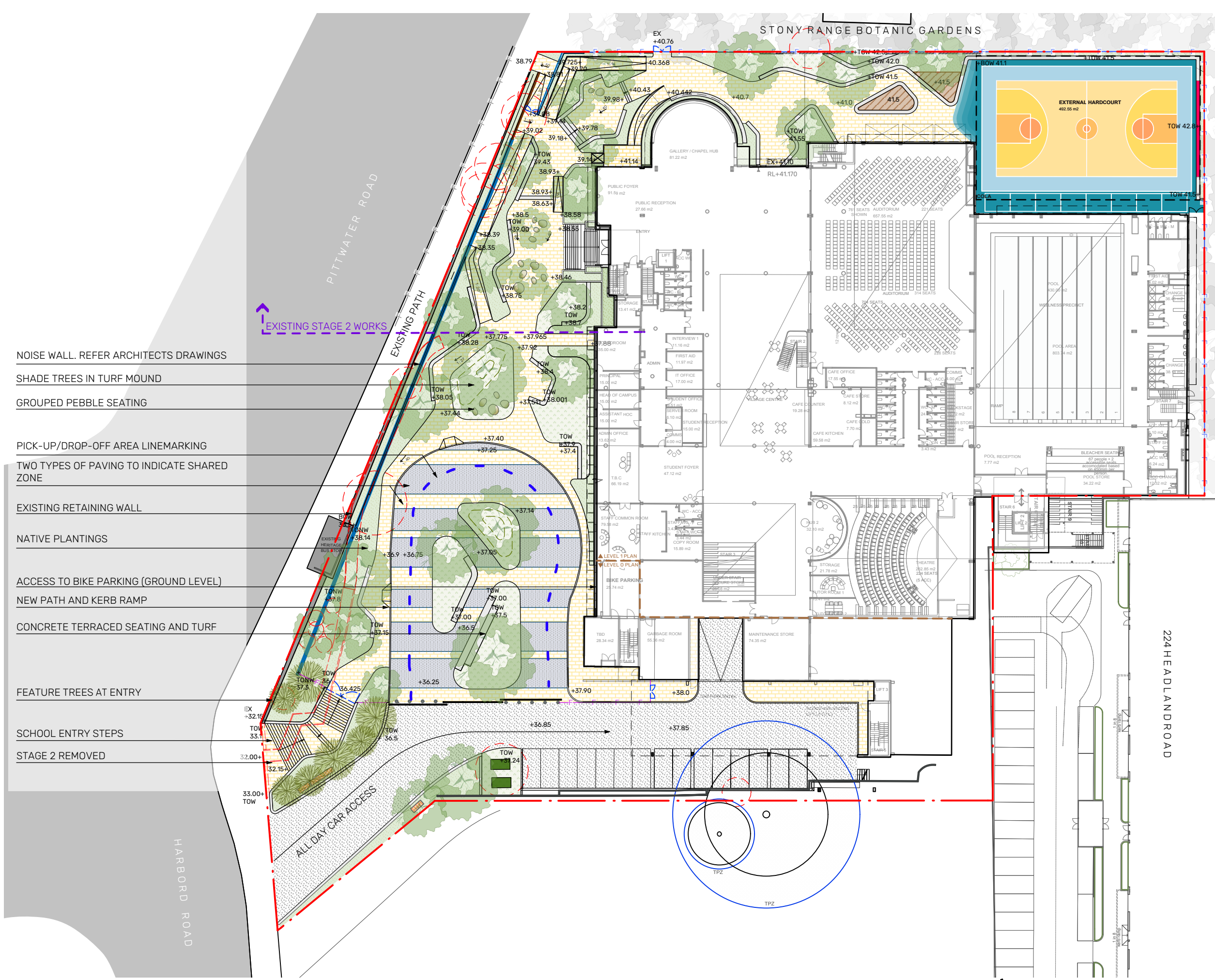
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- KEY**
- 800 PITTWATER ROAD PROPERTY BOUNDARY
 - PAVING TYPE 1
 - PAVING TYPE 2
 - CONCRETE DRIVEWAY
 - FIBREGLASS REINFORCED PLASTIC (FRP) GRATING FOOTPATH
 - NATIVE GARDEN BEDS
 - TURF
 - LOW GROUND COVERS
 - TIMBER PLATFORM SEATING WITH CONCRETE EDGE
 - SOFT FALL
 - SOLID SHADE STRUCTURE
 - PEBBLE SEATING
 - CONCRETE SEATING
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 - MASONARY NOISE WALL
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 - FENCE TYPE A - TIMBER
 - FENCE TYPE B - STEEL
 - GATE
 - REMOVABLE BOLLARDS
 - SUBSTATION
 - GAS METER / WATER METER / FIRE HYDRANT + SPRINKLER
 - EXISTING TREE RETAINED
 - EXISTING TREE REMOVED
 - PROPOSED NATIVE TREE
 - PROPOSED NATIVE PALM
 - EXISTING TREES IN STONEY RANGE

- NOISE WALL. REFER ARCHITECTS DRAWINGS
- SHADE TREES IN TURF MOUND
- GROUPED PEBBLE SEATING
- PICK-UP/DROP-OFF AREA LINEMARKING
- TWO TYPES OF PAVING TO INDICATE SHARED ZONE
- EXISTING RETAINING WALL
- NATIVE PLANTINGS
- ACCESS TO BIKE PARKING (GROUND LEVEL)
- NEW PATH AND KERB RAMP
- CONCRETE TERRACED SEATING AND TURF
- FEATURE TREES AT ENTRY
- SCHOOL ENTRY STEPS
- STAGE 2 REMOVED

PROJECT
ST LUKE'S GRAMMAR SCHOOL
 NEW SENIOR SCHOOL AND SPORTS CENTRE

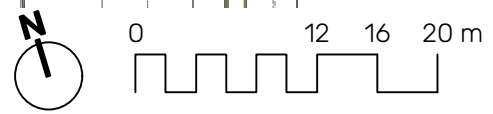
DRAWING
 Stage 3 - Master Plan

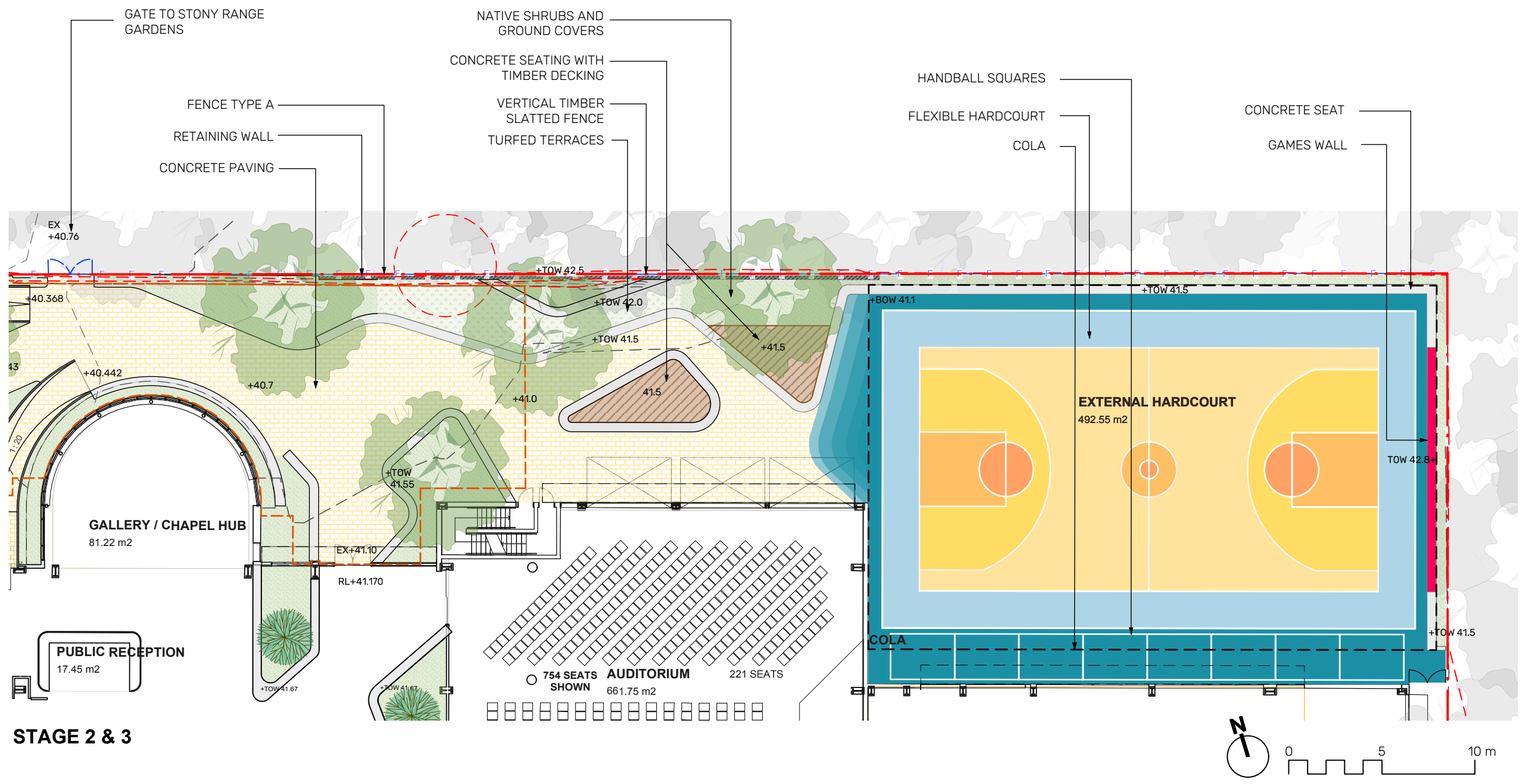
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STAGE 2 & 3

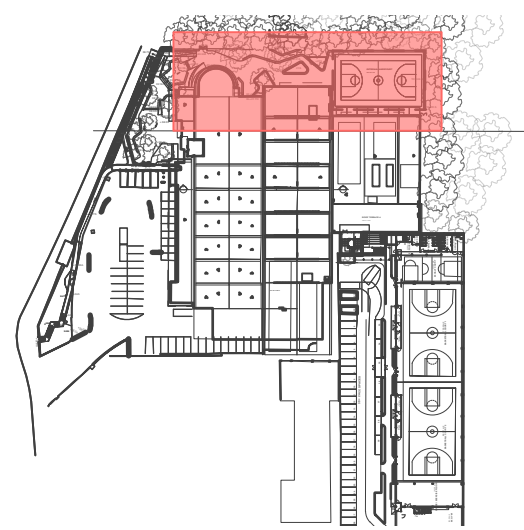
PRECEDENTS



RAISED GARDEN BEDS WITH CONCRETE SEATING



SEATING TERRACES



- KEY**
- 800 PITTWATER ROAD PROPERTY BOUNDARY
 - PAVING TYPE 1
 - PAVING TYPE 2
 - CONCRETE DRIVEWAY
 - FIBREGLASS REINFORCED PLASTIC (FRP) GRATING FOOTPATH
 - NATIVE GARDEN BEDS
 - TURF
 - LOW GROUND COVERS
 - TIMBER PLATFORM SEATING WITH CONCRETE EDGE
 - SOFT FALL
 - SOLID SHADE STRUCTURE
 - PEBBLE SEATING
 - CONCRETE SEATING
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 - SUBSTATION
 - GAS METER / WATER METER / FIRE HYDRANT + SPRINKLER
 - EXISTING TREE RETAINED
 - EXISTING TREE REMOVED
 - PROPOSED NATIVE TREE
 - PROPOSED NATIVE PALM
 - EXISTING TREES IN STONEY RANGE

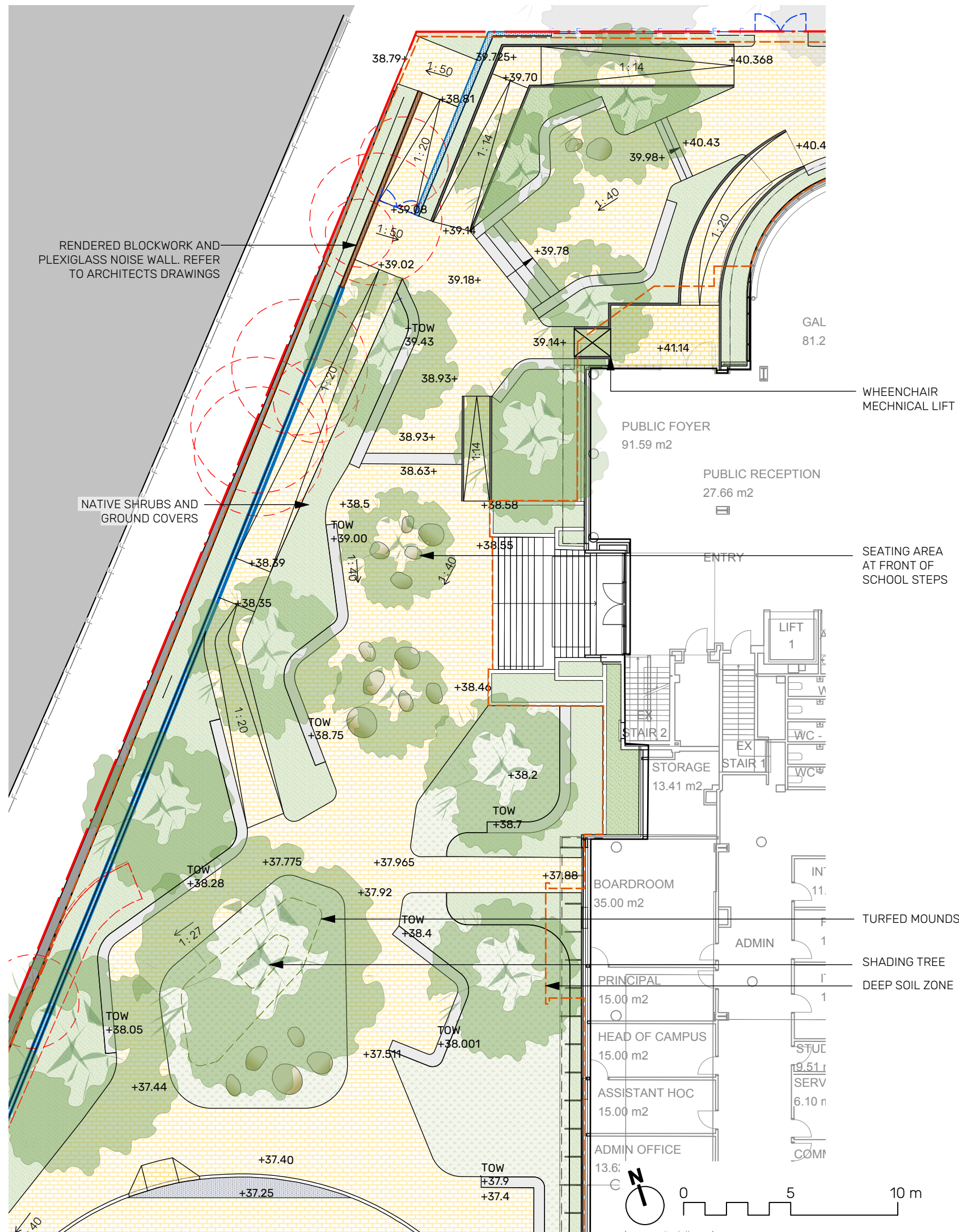
PROJECT
ST LUKE'S GRAMMAR SCHOOL
 NEW SENIOR SCHOOL AND SPORTS CENTRE

DRAWING
 Stage 2 Detailed Plan - North

DRAWING NUMBER L-104 SCALE 1:250@A3

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PRECEDENTS



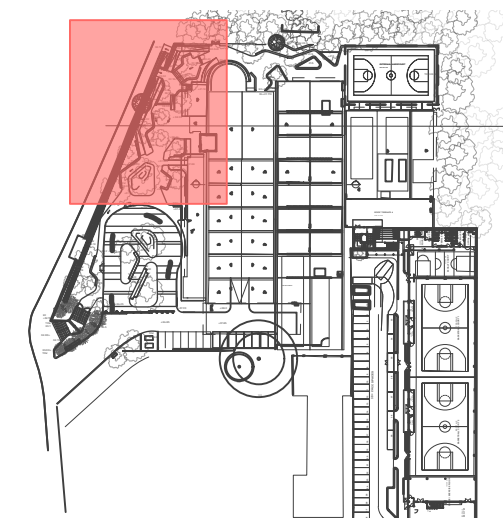
GROUPED PEBBLE SEATINGS



LANDSCAPE MOUNDS

KEY

- 800 PITTWATER ROAD PROPERTY BOUNDARY
- PAVING TYPE 1
- PAVING TYPE 2
- CONCRETE DRIVEWAY
- FIBREGLASS REINFORCED PLASTIC (FRP) GRATING FOOTPATH
- NATIVE GARDEN BEDS
- TURF
- LOW GROUND COVERS
- TIMBER PLATFORM SEATING WITH CONCRETE EDGE
- SOFT FALL
- SOLID SHADE STRUCTURE
- PEBBLE SEATING
- CONCRETE SEATING
- PING PONG TABLE
- PLEXI GLASS NOISE WALL
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- GAS METER / WATER METER / FIRE HYDRANT + SPRINKLER
- EXISTING TREE RETAINED
- EXISTING TREE REMOVED
- PROPOSED NATIVE TREE
- PROPOSED NATIVE PALM
- EXISTING TREES IN STONEY RANGE



PROJECT
ST LUKE'S GRAMMAR SCHOOL
 NEW SENIOR SCHOOL AND SPORTS CENTRE

DRAWING
 Stage 3 Detailed Plan - West

DRAWING NUMBER L-105 SCALE 1:200@A3

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ATRIUM GARDEN

PRECEDENTS



PLANTING PALETTE



Viola hederacea



Cyathea australis



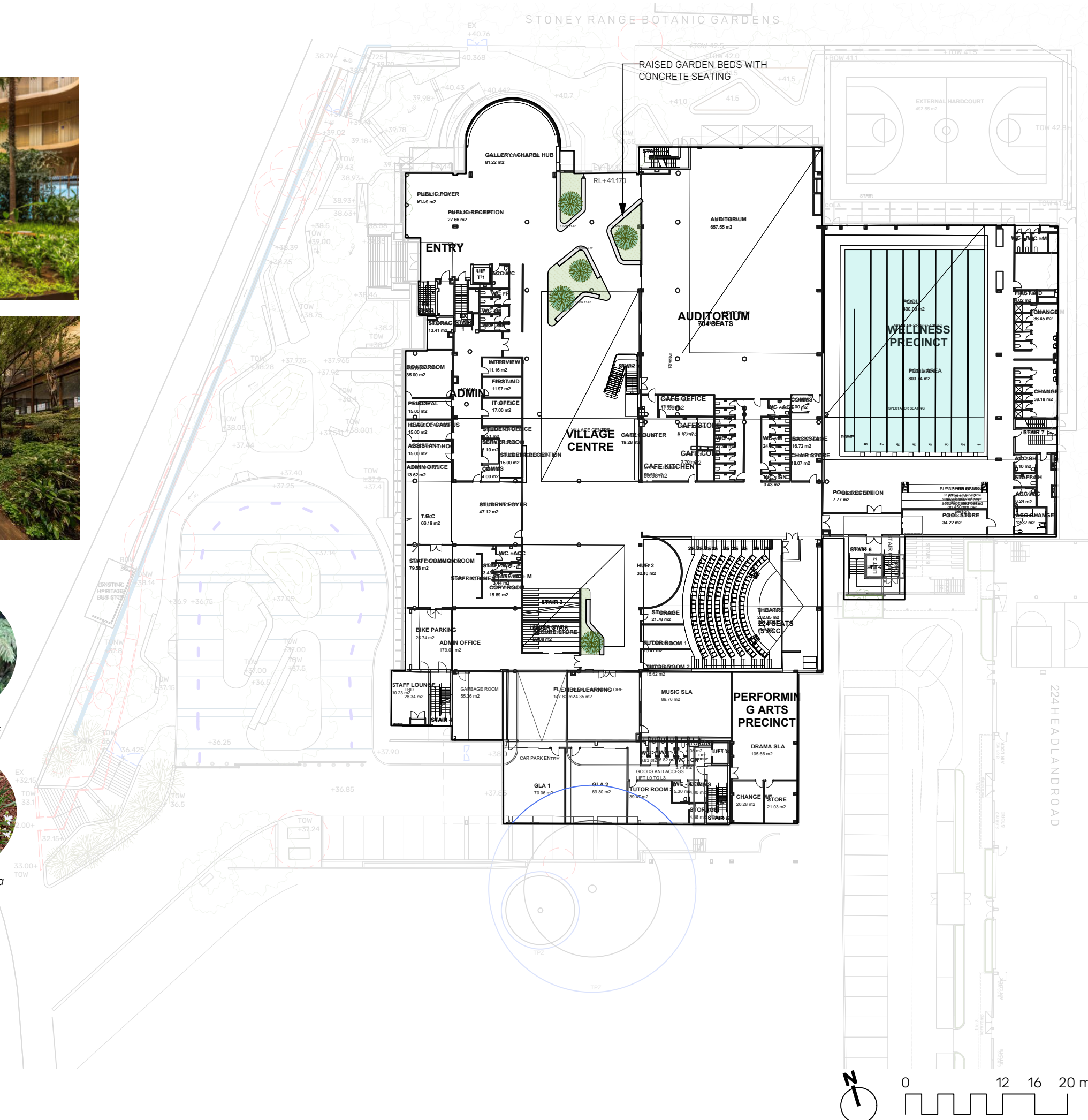
Stylidium graminifolium







Libertia paniculata



Gleichenia dicarpa



KEY

-  NATIVE PLANTING
-  CONCRETE PAVING
-  SEATING
-  NATIVE TREE FERN
Cyathea australis

PROJECT
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 NEW SENIOR SCHOOL AND SPORTS CENTRE

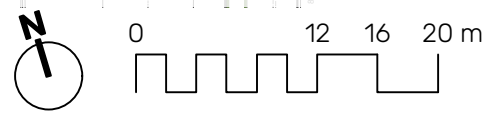
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 Level 1 - Atrium Planting

DRAWING NUMBER L-106 SCALE 1:500@A3

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ROOFTOP GARDEN A - LEVEL 2
PASSIVE RETREAT

PRECEDENTS



PLANTING PALETTE



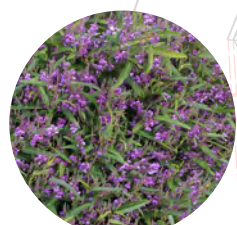
Scaevola albida



Helichrysum italicum



Myoporum parvifolium

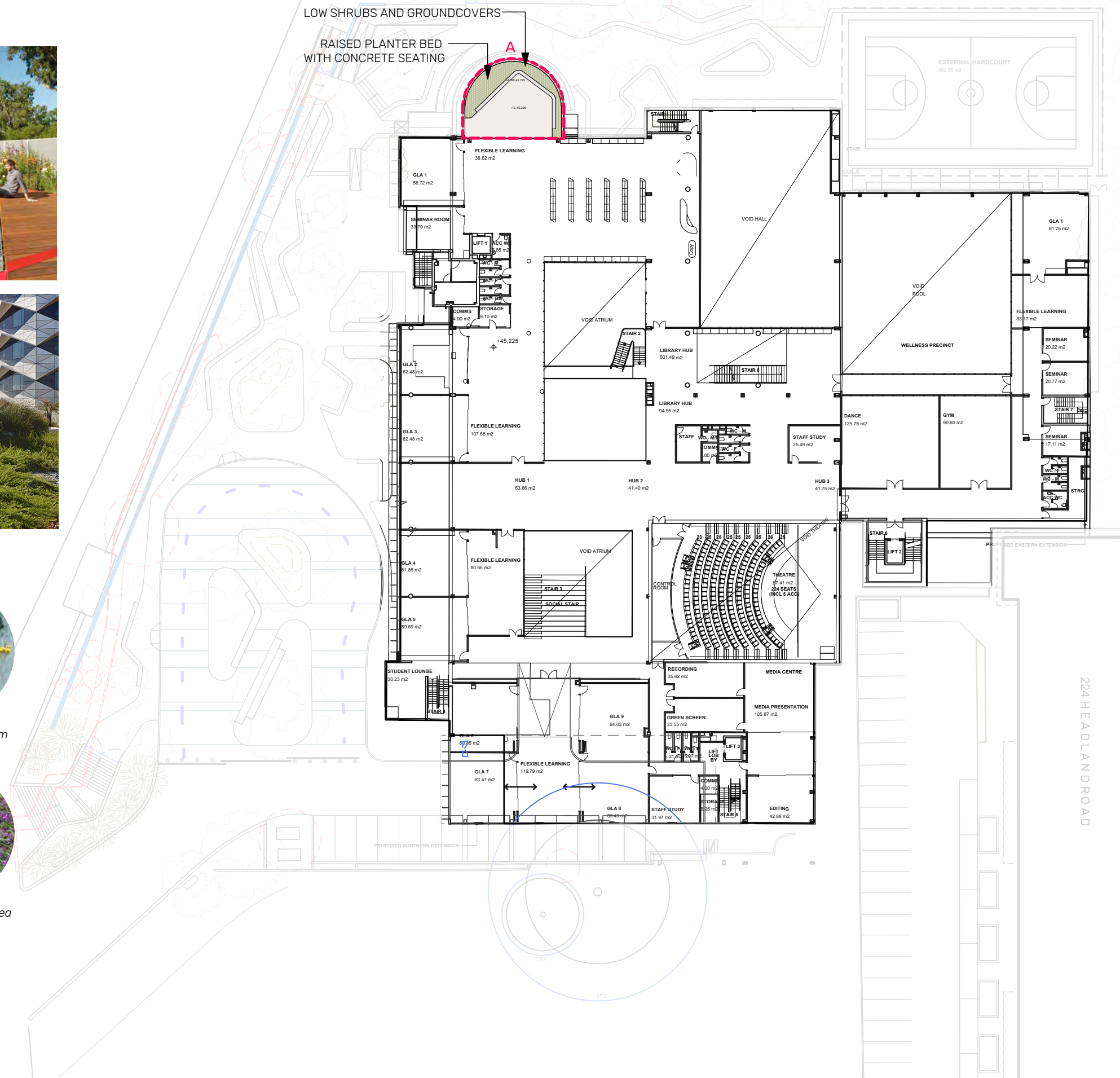


Hardenbergia violacea



Dianella caerulea

STONEY RANGE BOTANIC GARDENS



KEY

- ROOFTOP GARDEN
- NATIVE PLANTING
- CONCRETE PAVING
- SEATING

PROJECT
ST LUKE'S GRAMMAR SCHOOL
NEW SENIOR SCHOOL AND SPORTS CENTRE

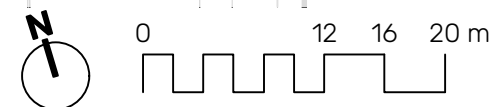
DRAWING
Rooftop Garden Level 2 Plan

DRAWING NUMBER L-107 SCALE 1:500@A3

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ROOFTOP GARDEN B & C - LEVEL 3

B - OUTDOOR LEARNING/D&T

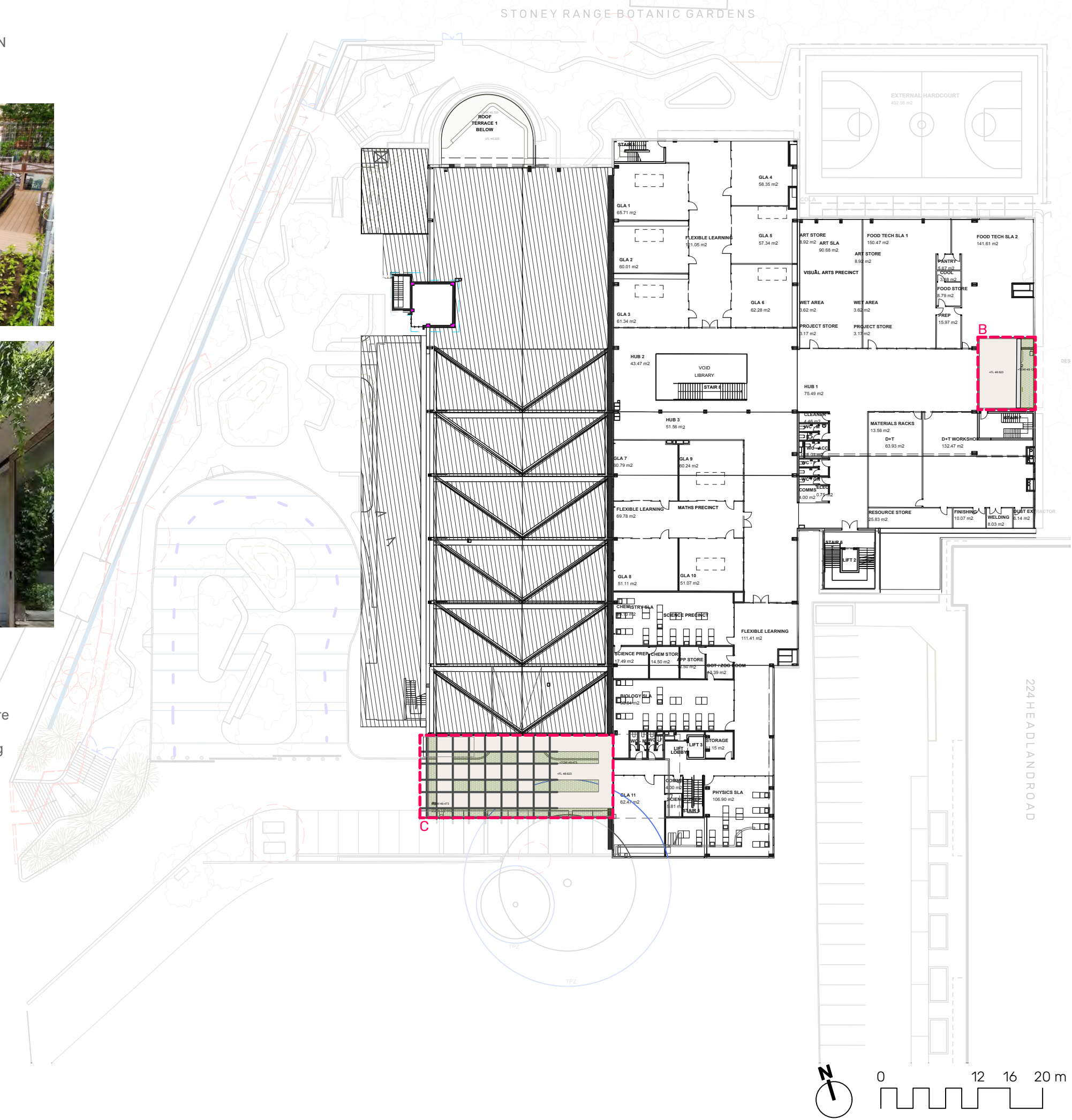
C - OUTDOOR LEARNING/BIOLOGY GARDEN

PRECEDENTS



PLANTING PALETTE

* Planting species for Rooftop Garden C are subjected to the school's preference in accordance with ongoing outdoor learning programs.



KEY

- ROOFTOP GARDEN
- NATIVE PLANTING
- CONCRETE PAVING
- SEATING
- PERGOLA

PROJECT
ST LUKE'S GRAMMAR SCHOOL
 NEW SENIOR SCHOOL AND SPORTS CENTRE

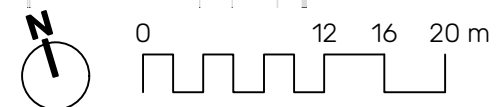
DRAWING
 Rooftop Garden Level 3 Plan

DRAWING NUMBER L-108 SCALE 1:500@A3

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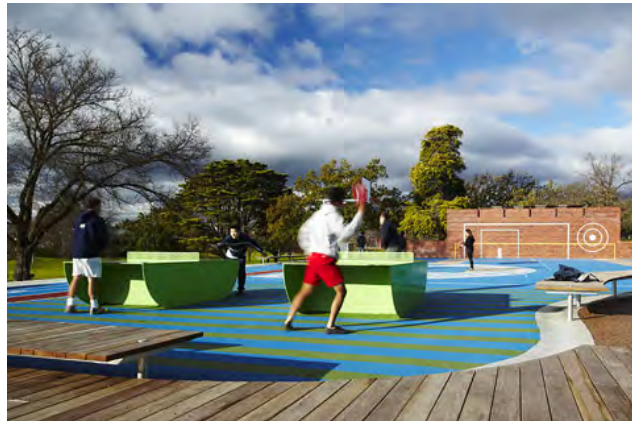
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ROOFTOP GARDEN D - LEVEL 4
ACTIVE PLAY & INFORMAL GATHERING

PRECEDENTS



PLANTING PALETTE



Pandorea pandorana



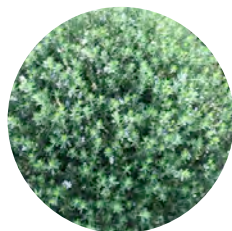
Eremophila nivea



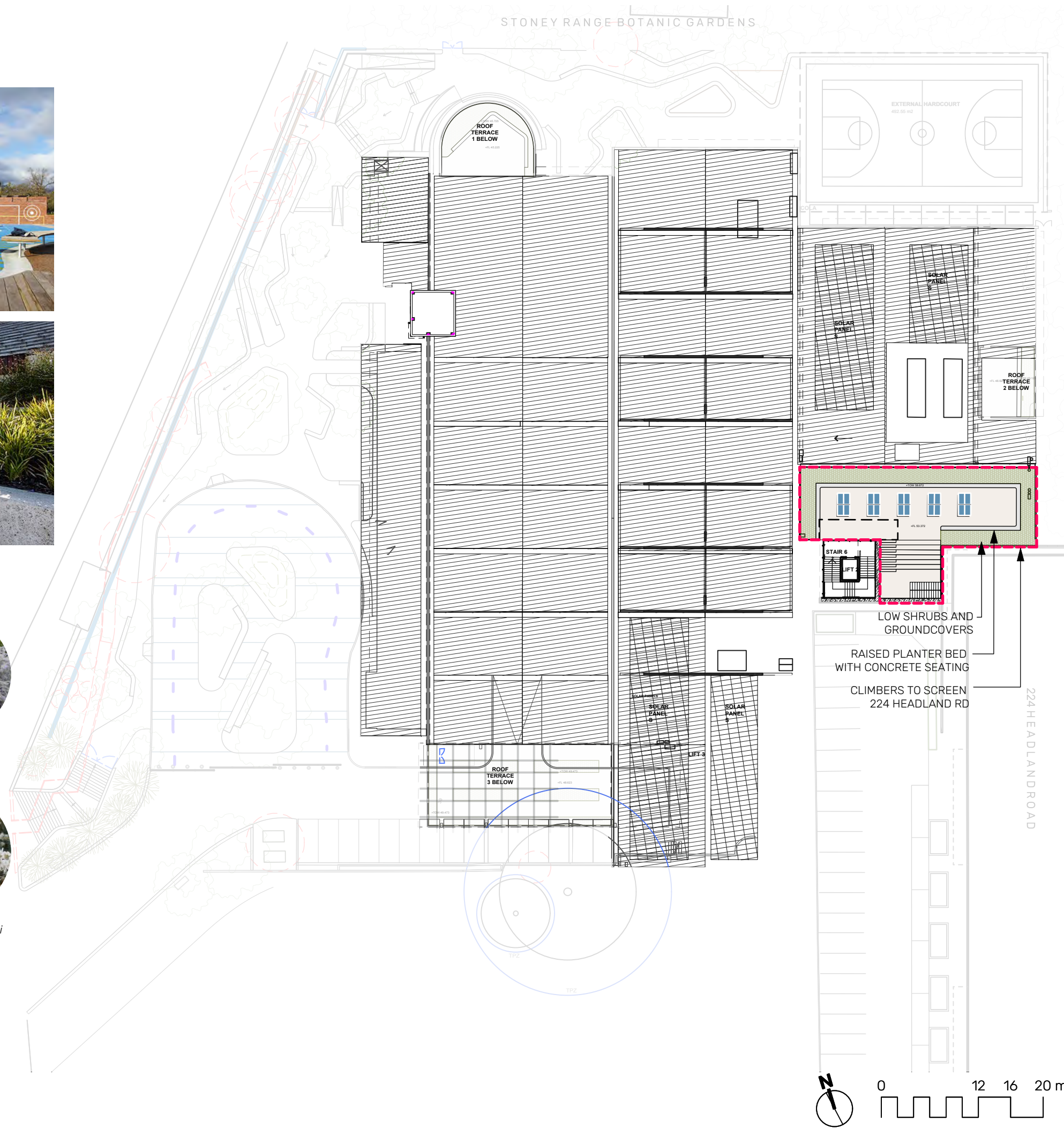
Epacris longiflora



Actinotus helianthi



Westringia fruticosa



KEY

- ROOFTOP GARDEN
- NATIVE PLANTING
- CONCRETE PAVING
- SEATING
- PING PONG TABLE

PROJECT
ST LUKE'S GRAMMAR SCHOOL
NEW SENIOR SCHOOL AND SPORTS CENTRE

DRAWING
Rooftop Garden Level 4 Plan

DRAWING NUMBER L-109 SCALE 1:500@A3

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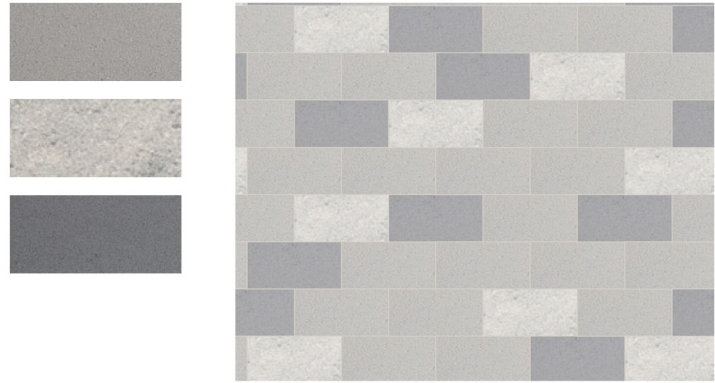
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MATERIAL PALETTE

PAVING



PAVING TYPE 1 - CONCRETE UNIT PAVERS, GREY TONES



PAVING TYPE 2 - CONCRETE UNIT PAVERS, GREY/SANDSTONE TONES



FENCE TYPE A - TIMBER SLAT FENCE



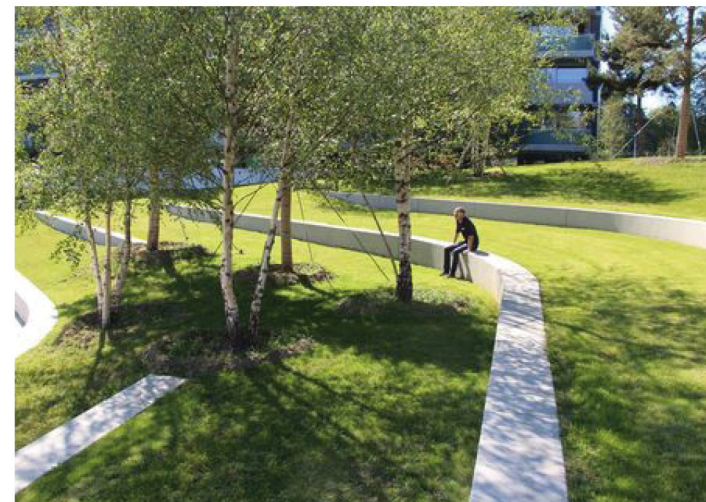
FENCE TYPE B - STEEL SLAT FENCE



*Opportunity to include aboriginal artwork commissioned by local artist (Example below - Redfern Park)



SEATING



ACTIVE PLAY AREA - SOFT FALL



TEMPORARY BOARDWALK - FRP GRATE



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ST LUKE'S GRAMMAR SCHOOL
 NEW SENIOR SCHOOL AND SPORTS CENTRE

DRAWING
 Material Palette

DRAWING NUMBER L-301 SCALE N/A

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PLANTING PALETTE

All Shrub, groundcover and climber species have been selected are a mix of endemic and native species of the Dee Why area. Native tree species have been selected to maximise shade on site.

Planting is restricted to those species selected or approved equivalent.



Archontophoenix cunninghamiana



Banksia integrifolia



Cupaniopsis anacardioides



Elaeocarpus reticulatus



Actinotus helianthi



Blechnum cartilagineum



Casuarina glauca 'Cousin It'



Correa alba



Conostylis candidans



Eremophila nivea



Grevillea rhyolitica x juniperina



Hibbertia scandens



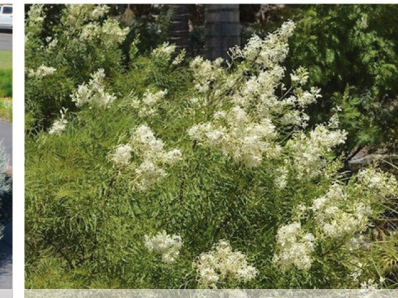
Epacris longiflora



Leptospermum trinervium



Leucophyta brownii



Lomatia silaifolia



Molineria capitulata



Myoporum parvifolium



Westringia fruticosa



Pandorea pandorana

COMMON NAME	BOTANICAL NAME	HEIGHT AND SPREAD (m)
Tree		
Bangalow Palm	<i>Archontophoenix cunninghamiana</i>	12 x 2.5m
Coastal Banksia	<i>Banksia integrifolia</i>	10 x 6m
Tuckeroo	<i>Cupaniopsis anacardioides</i>	8 x 5m
Blueberry Ash	<i>Elaeocarpus reticulatus</i>	9 x 4m
Small Shrubs and Groundcovers		
Flannel Flower	<i>Actinotus helianthi</i>	0.5 x 0.5m
'Honey Bun' – Wattle	<i>Acacia howittii</i>	1 x 1m
Sea Box	<i>Alyxia buxifolia</i>	1.3 x 1.3
Gristle fern	<i>Blechnum cartilagineum</i>	0.5 x 0.5m
'Cousin It' Sheoak	<i>Casuarina glauca 'Cousin It'</i>	0.2 x 1m
White Correa	<i>Correa alba</i>	1 x 1m
Grey cottonheads	<i>Conostylis candidans</i>	0.3 x 0.4m
Silky Eremophila	<i>Eremophila nivea</i>	1 x 0.7m
Cherry Cluster Grevillea	<i>Grevillea rhyolitica x juniperina</i>	0.5 x 0.8m
Golden Guinea Vine	<i>Hibbertia scandens</i>	0.5 x 1m
Fuchsia heath	<i>Epacris longiflora</i>	1 x 0.8m
Paperbark teatree	<i>Leptospermum trinervium</i>	3 x 2m
Cusion Bush	<i>Leucophyta brownii</i>	0.8 x 0.5m
Crinkle Bush	<i>Lomatia silaifolia</i>	1 x 1m
Palm Grass	<i>Molineria capitulata</i>	0.8 x 0.8m
Boobialla	<i>Myoporum parvifolium</i>	0.25 x 1m
Mundi Westringia	<i>Westringia fruticosa "Mundi"</i>	0.5 x 1.5m
Climbers / Creepers		
Meema Hardenbergia	<i>Hardenbergia violacea 'Meema'</i>	0.5 x 2m
Wonga Wonga Vine	<i>Pandorea pandorana</i>	5 x 15m

PROJECT
ST LUKE'S GRAMMAR SCHOOL
NEW SENIOR SCHOOL AND SPORTS CENTRE

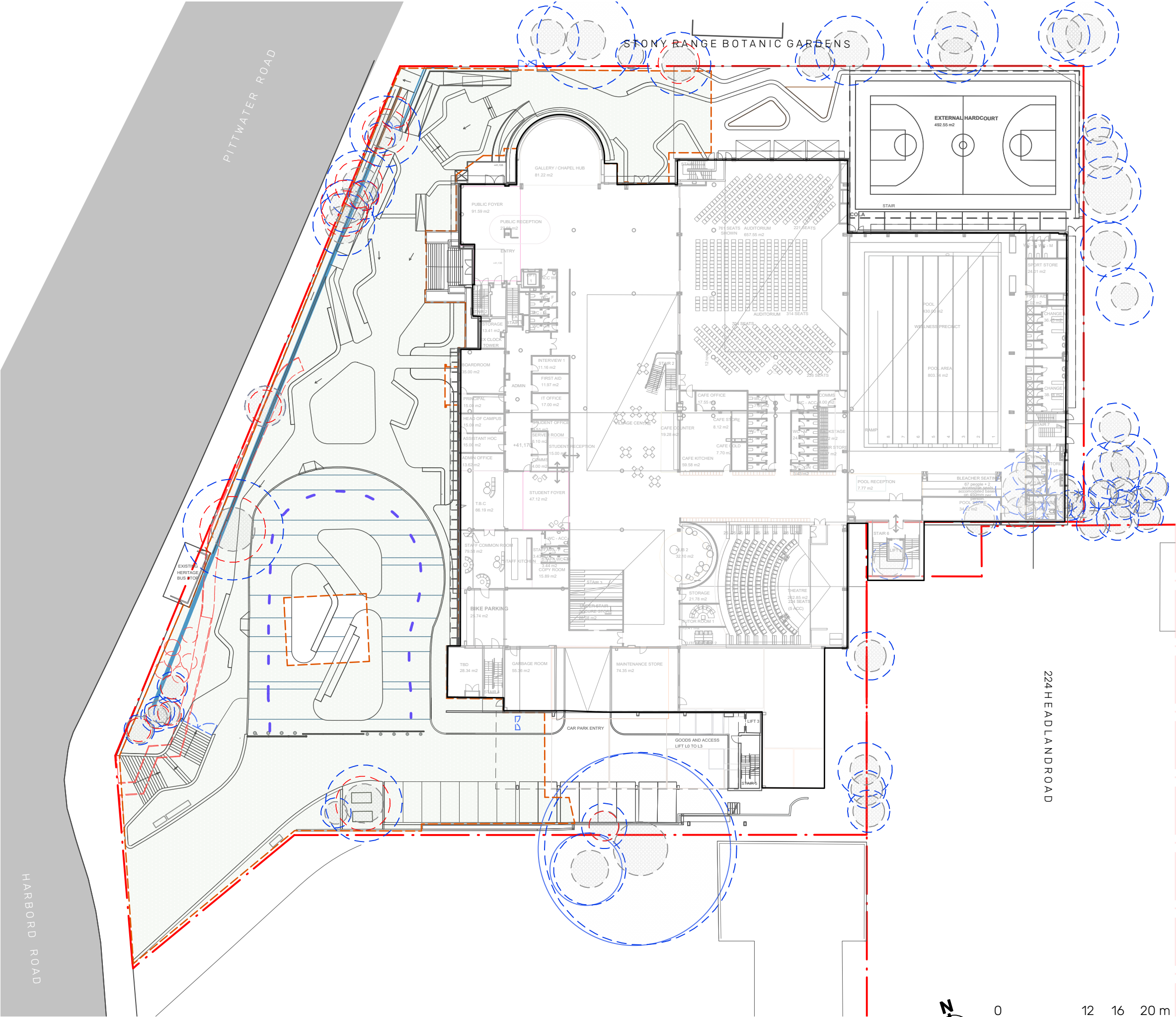
DRAWING
Planting Palette

DRAWING NUMBER L-302 SCALE N/A

CLIENT
The Anglican Schools Corporation

SMM PROJECT No. 19063 ISSUE C DATE 19/3/20

spackman mossop michaelis



- KEY**
- EXTENT OF WORK
 - DEEP SOIL ZONE
 - TREE PROTECTION ZONE (TPZ)
 - STRUCTURAL ROOT ZONE (SRZ)
 - TREE REMOVED

PROJECT
ST LUKE'S GRAMMAR SCHOOL
 NEW SENIOR SCHOOL AND SPORTS CENTRE

DRAWING
 Deep Soil Plan

DRAWING L-401 SCALE 1:500@A3
 NUMBER

CLIENT
 The Anglican Schools Corporation

SMM PROJECT No. 19063 ISSUE C DATE 19/3/20

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