



CENTRE OF EXCELLENCE IN AGRICULTURAL EDUCATION

LANDSCAPE SSDA PACKAGE

SSDA ISSUE 06/07/21 REV G

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Issue				
No.	Date	Description	Chkd	
A	24/02/2021	DRAFT CONCEPT	AL	
B	01/04/2021	SCHEMATIC ISSUE	AL	
C	28/04/2021	SSDA ISSUE	AL	
D	28/06/2021	SSDA ISSUE	JK	

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NBR
ARCHITECTURE.
LANDSCAPE

Level 3, 4 Glen Street, Milsons Point, NSW 2061 Australia
T 61 2 9922 2344 F 61 2 9922 1308
E architects@nbrsarchitecture.com W nbrsarchitecture.com

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Project

Centre of Excellence in Agricultural Education

at

Vine Dr, Richmond NSW 2753

for

Department of Education

Drawing Title

Structure Plan

Date 06/07/2021

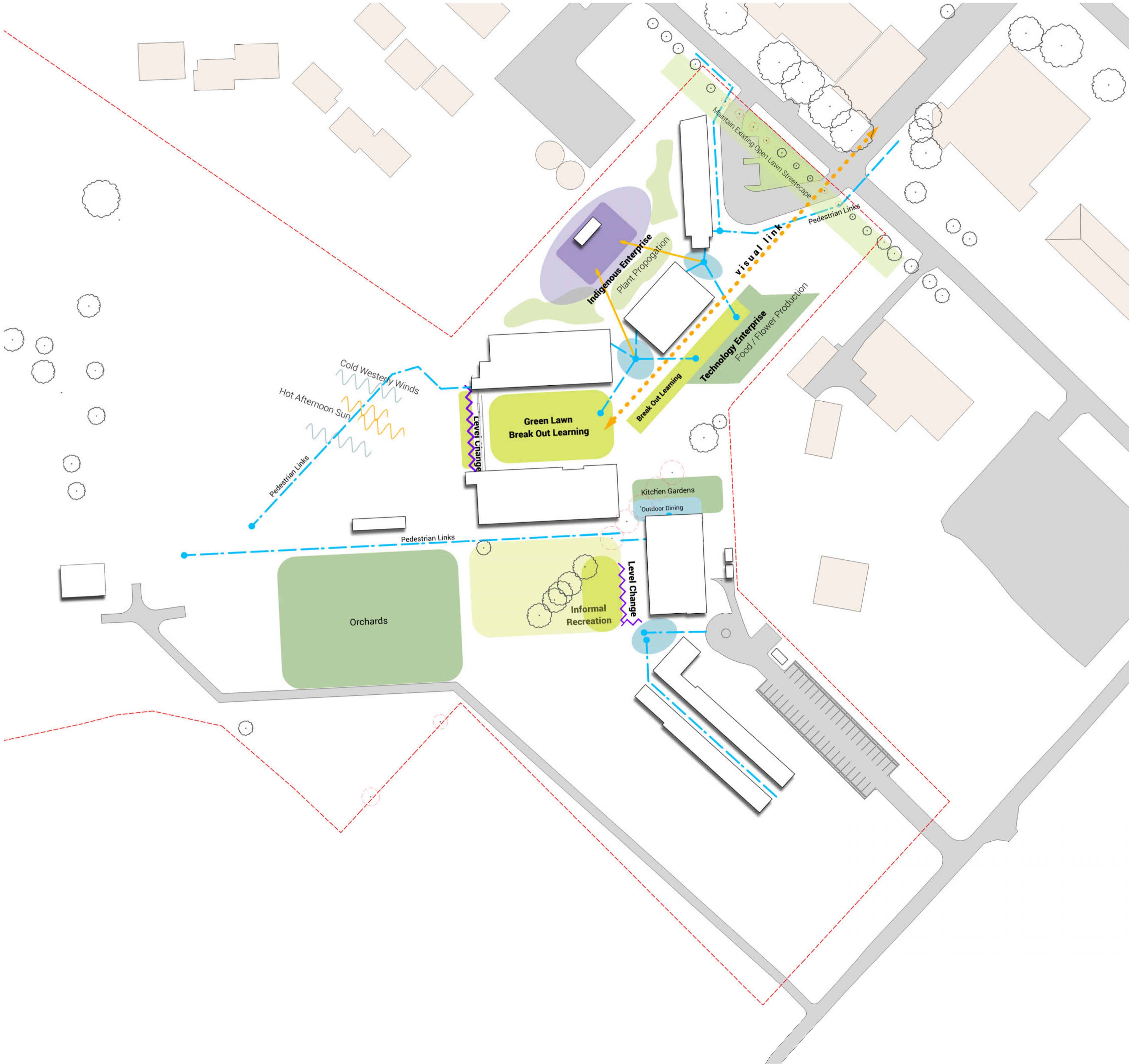
Scale NTS

Drawing Reference

20417-NBRS-L-SK 001

Rev

D





Issue				
No.	Date	Description	Chkd	
A	19/03/2021	CONCEPT ISSUE	AL	
B	01/04/2021	SCHEMATIC ISSUE	AL	
C	28/04/2021	SSDA ISSUE	AL	
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Drawing Title

Context Plan

Date 06/07/2021

Scale 1:1000 @ A1 1:2000 @ A3

0 10 20 30 40 50 60m

Drawing Reference 20417-NBRS-L-SK 002

Rev D

INDIGENOUS ENTERPRISE



Weaving paths and planted beds with native species and indigenous foods.



The Yam Daisy to be propagated.



Informal paths



Native pastures for grain harvests.



Indicative character

TECHNOLOGY ENTERPRISE



Flowering crops



Agricultural influenced design.



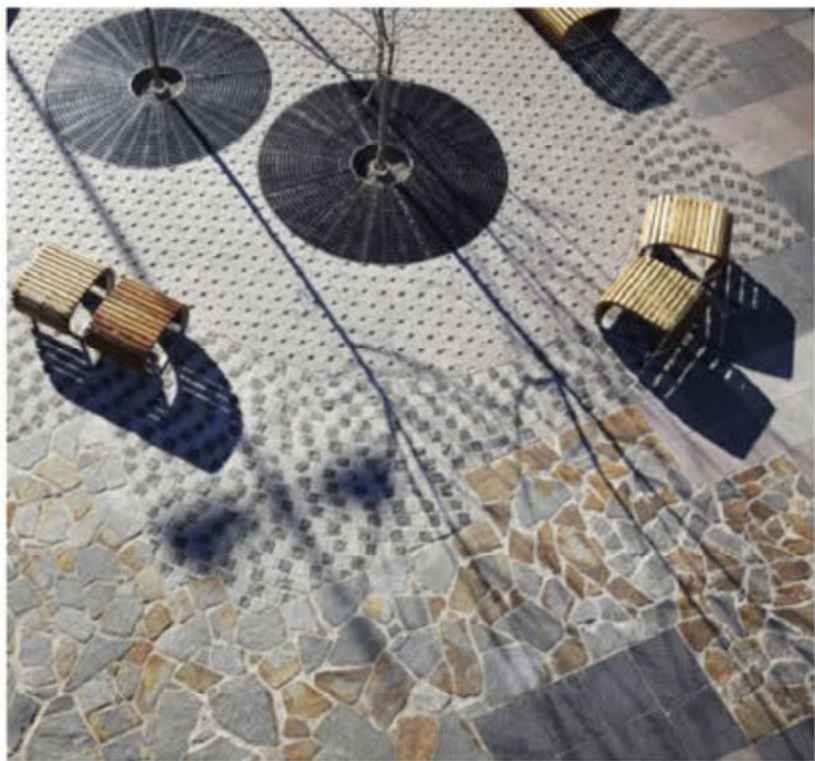
Vineyards



Pergola structure integrated into trellis system.



'Cut Flower Gardens'

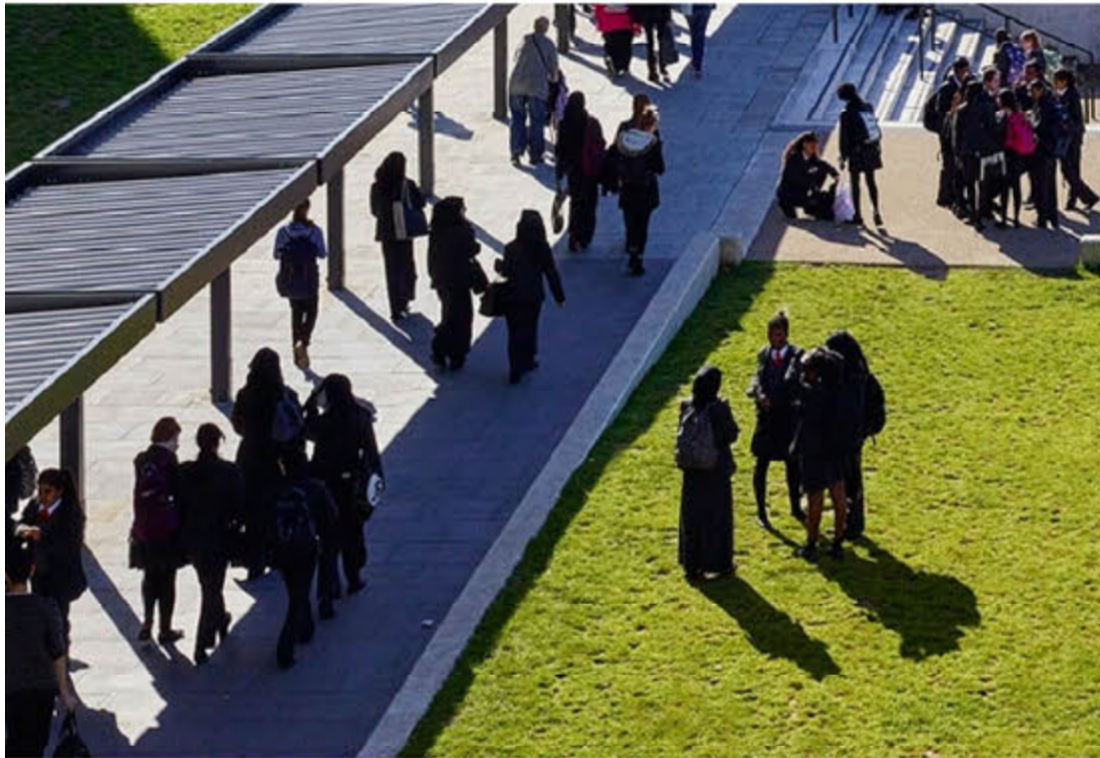


Promenade hardscape

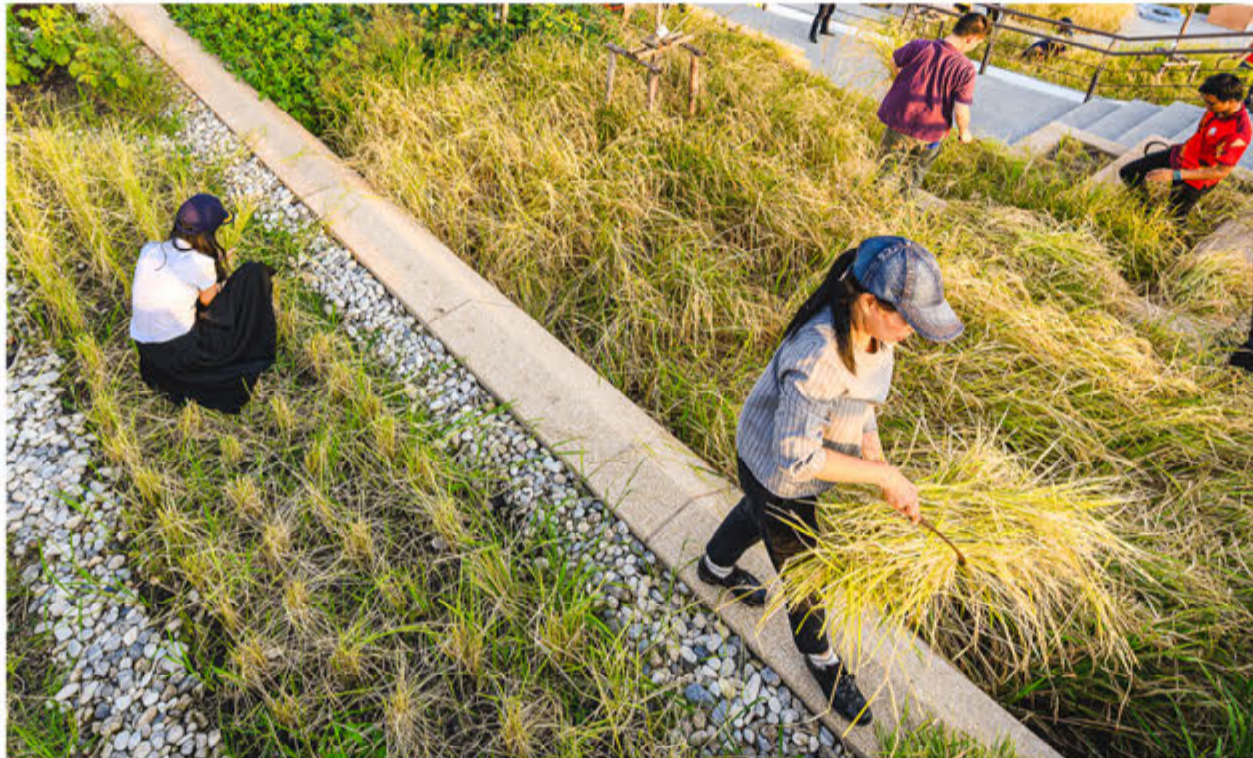


Kitchens Gardens with small Orchard.

LEARNING SPACES



Village green with covered walkways and shade provided by trees.



MATERIALITY



Combination of paving materials along promenade.



Tree detail in hardscape.



Seamless transition from inside blocks to external surfaces.



Educational paving features.



Porous paving around tree pits.



Earthy coloured gravels and decomposed granite.

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A	01/04/2021	SCHEMATIC ISSUE		AL
B	28/04/2021	SSDA ISSUE		AL

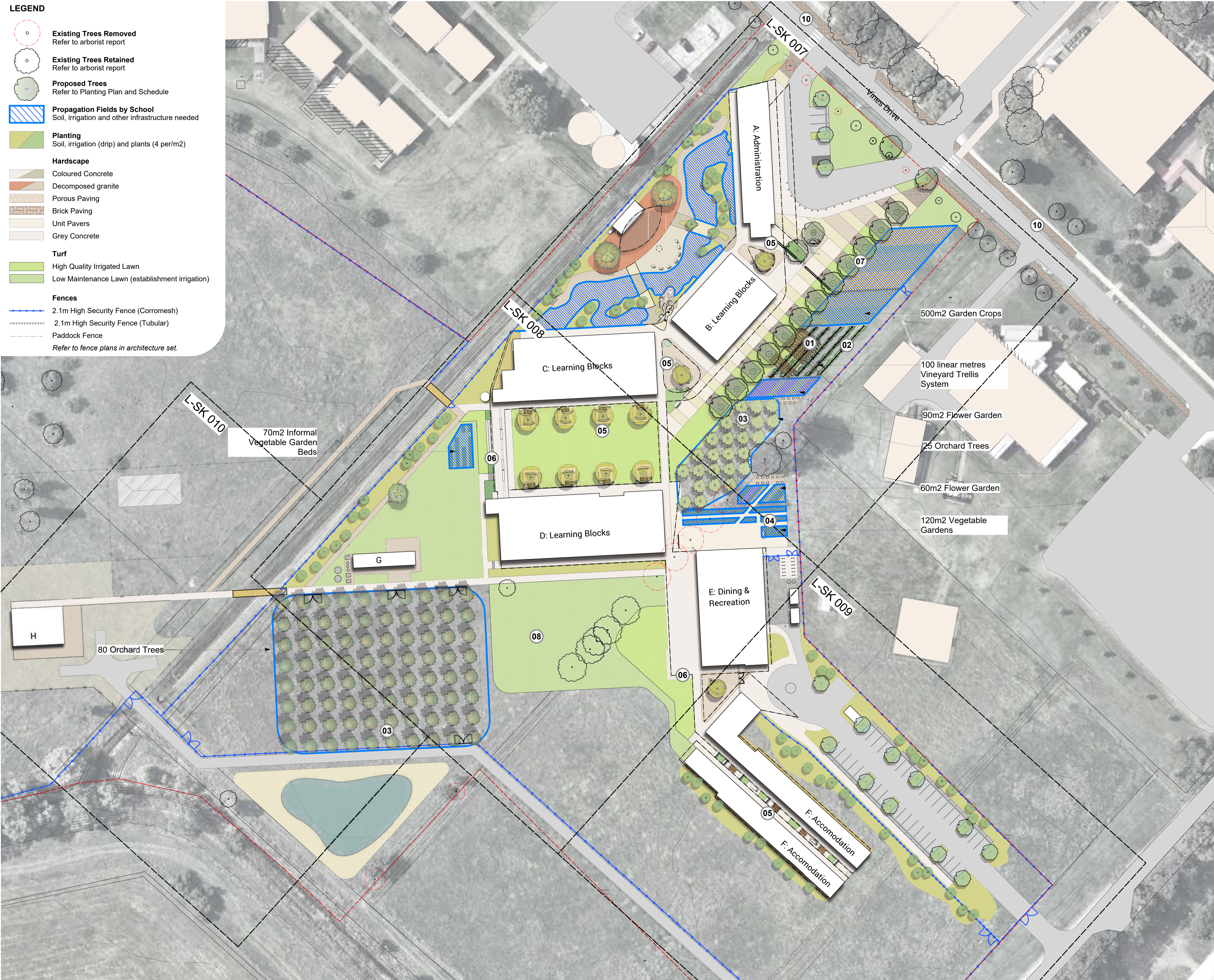
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Drawing Title
Landscape Design and Character

Date	28/04/2021
Scale	1:500 @ A1 1:1000 @ A3
0	5 10 15 20 25 30m
Drawing Reference	20417-NBRS-L-SK 004
Rev	B



LEGEND

Existing Trees Removed

Refer to arborist report

Existing Trees Retained

Refer to arborist report

Proposed Trees

Refer to Planting Plan and Schedule

Propagation Fields by School

Soil, irrigation and other infrastructure needed

Planting

Soil, irrigation (drip) and plants (4 per/m2)

Hardscape

Coloured Concrete

Decomposed granite

Porous Paving

Brick Paving

Unit Pavers

Grey Concrete

Turf

High Quality Irrigated Lawn

Low Maintenance Lawn (establishment irrigation)

Fences

2.1m High Security Fence (Corromesh)

2.1m High Security Fence (Tubular)

Paddock Fence

Refer to fence plans in architecture set.

LANDSCAPE ELEMENTS

- 01: **Pergola** - Timber structure with cables to allow grape vine to grow over. Australian hardwood.
- 02: **Vineyard Trellis** - Timber posts and cabling. Irrigation infrastructure required.
- 03: **Orchard** - Provide soil, ground preparation and water supply points. Tree specimens installed by school.
- 04: **Kitchen Gardens** - Raised garden beds constructed from Australian Hardwood (400 High). Water supply points, mulch, soil, compost bins and trellis structures required.
- 05: **Outdoor Seating Elements** - Bespoke / proprietary outdoor seating furniture. Concrete and mod wood materials to be used.
- 06: **Seating Steps** - Concrete seating steps (600W x 300H).
- 07: **Plaques / Educational Installation** - Allow costing to supply / install elements inset into pavement TBC by school.
- 08: **Kick About Lawn** - Allow costing to grade / level landform and provide drainage to prevent water from pooling.
- 09: **Bike Racks** - 24 secure bike parking locations undercover. Hooped stainless steel bike racks.
- 10: **External Foot Paths** - External foot paths extent to be confirmed

NOTE:
This drawing illustrates works to be **tendered on**. Highlighted/noted areas to be realised as apart of schools curriculum.

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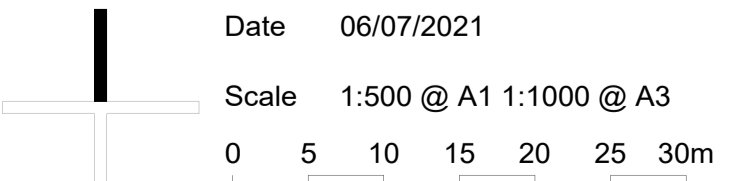
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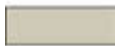





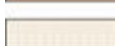
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Drawing Title
Overall Tender Plan



LANDSCAPE LEGEND AND SCHEDULE

CODE	DESCRIPTION	DIMENSION	SUPPLIER
FURNITURE AND FIXTURES			
WS01	Custom Curved Concrete Bench	500mmH x 450W	-
WS02	Custom Concrete Stool	500mmH x 450D	-
WS03	Outdoor Table Setting	Proprietary Item	Street Furniture Australia
WS04	Bench Seat with Back	Proprietary Item	Street Furniture Australia
BR01	Hooped Bike Rack	Proprietary Item	Cora (CBR2B)
BL	Stainless Steel Bollard	Proprietary Item	-
HT	Hose Taps	Proprietary Item	-
STRUCTURES			
TB01	Timber Truss Bridge	2000W x 15m & 8m	Landmark
TP01	Custom Timber Pergola	7500W x 14000L	-
TS01	Trellis system (timber posts and wire)	-	-
GB01	Raised hardwood timber Garden Beds	400D	-
RWT01	Rain Water Tank - Slim Line - Colour Bond	1700 x 800 x 2200H	-
RWT02	Rain Water Tank - Round Tank Colour Bond	2700D x 2400H	-
FENCES			
++++ MC01	Security Tubular	2100H	-
—●— MC02	Security Corromesh	2100H	-
—x— FN01	Wire Farm Fence	1500H	-
GATES			
GT01	Sliding Gate	4800W x 2100H	-
GT02	Double Leaf Swing	5000W x 2100H	-
GT03	Pedestrian Single Leaf	3000W x 1600H	-
PAVING			
 PV01	Grey Concrete	-	-
 PV02A	Coloured Concrete (Walnut by CCS)	-	Concrete Colour Solutions
 PV02B	Coloured Concrete (Golden Bronze by CCS)	-	Concrete Colour Solutions
 PV03	Brick Paving Staggered	-	-
 PV04	Porous Pavers (ECOTRIHEX - Oatmeal)	188L x 92D x 60H	Adbri Masonary
 PV05A	Decomposed Granite (Gold)	-	ANL
 PV05B	Decomposed Granite (Red / Brown)	-	ANL
 PV06	Unit Pavers	TBC	TBC
HARDSCAPE			
ST01	Concrete stairs (Including Handrails, nosing and Tactiles)	2000W	-
SS01	Concrete Seating Steps	600W x 300D	-
SOFTSCAPE			
MP01	Garden Mix	5 plants/m2	-
MP02	Native Mix	4 plants/m2	-
MP03	Endemic Mix	5 plants/m2	-
MP04	Rain Garden Mix	4 plants/m2	-
TF01	Drought Tolerant Turf (Tiftuf)	1 roll/m2	Lawn Solutions
TF02	Amenity Turf (Sir Walter Buffalo Grass)	1 roll/m2	Lawn Solutions



WS04: Proprietary Seat - Street Furniture Australia 'Plaza Seat'



WS01: Curved insitu concrete bench



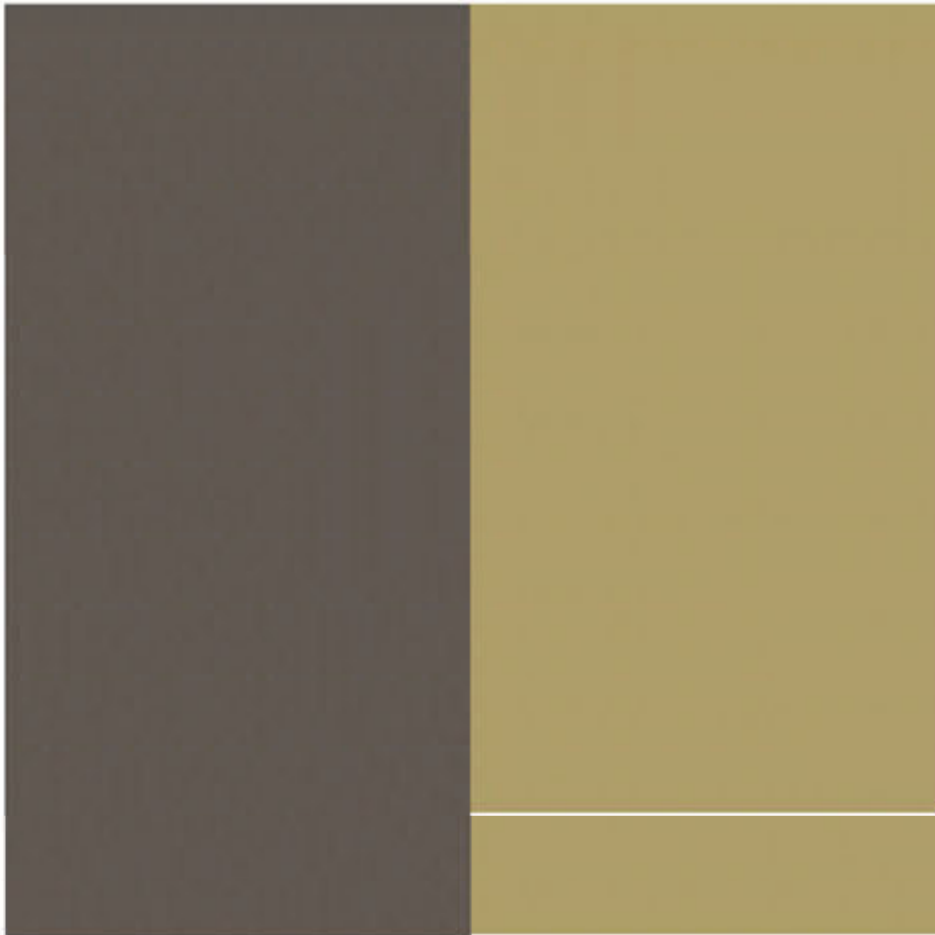
TB01: Fabricated Timber Bridge from Landmark or similar.



MP02: Native mass planting.



PV03: Staggered brick paving (recycled units)



PV02A/B: Coloured Concrete - L: Chestnut and R: Golden Bronze



TP01: Indicative custom timber pergola structure integrated with vineyard trellis system.



PV04: Pourous paving in tri hex shape.



PV05A/B: Decomposed Granite - L: Gold and R: Red/Brown

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C	28/04/2021	SSDA ISSUE		AL

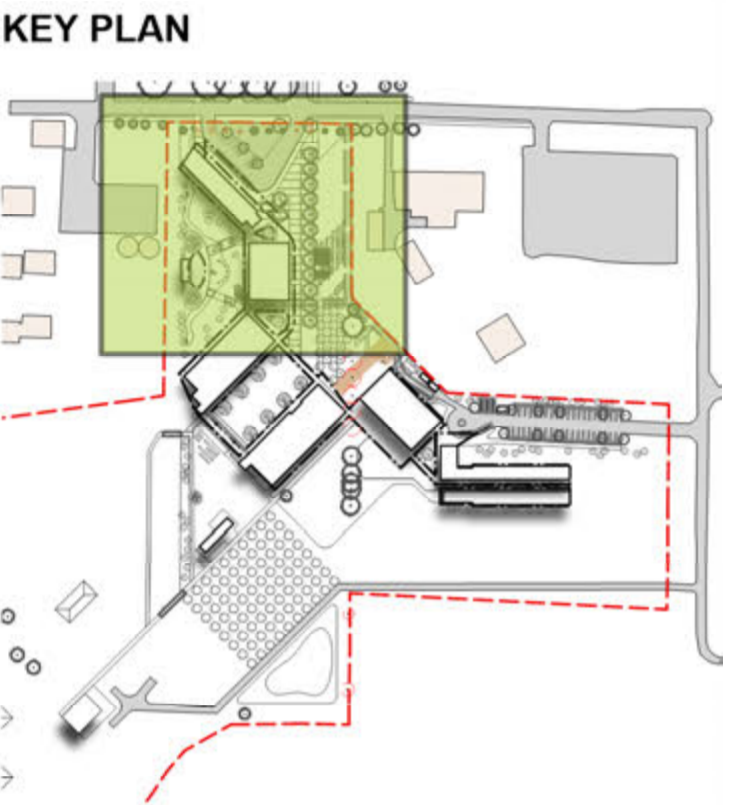
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E architects@nbrsarchitecture.com W nbrsarchitecture.com
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Drawing Title
Structure Plan

Date 28/04/2021
Scale NTS
Drawing Reference
20417-NBRSand-L-SK 006
Rev
C



Issue				
No.	Date	Description	Chkd	
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Drawing Title
Arrangement Plan 01

Date 06/07/2021
Scale 1:200 @ A1 1:400 @ A3
0 1 2 3 4 5 6m
Drawing Reference 20417-NBRS-L-SK 007
Rev C

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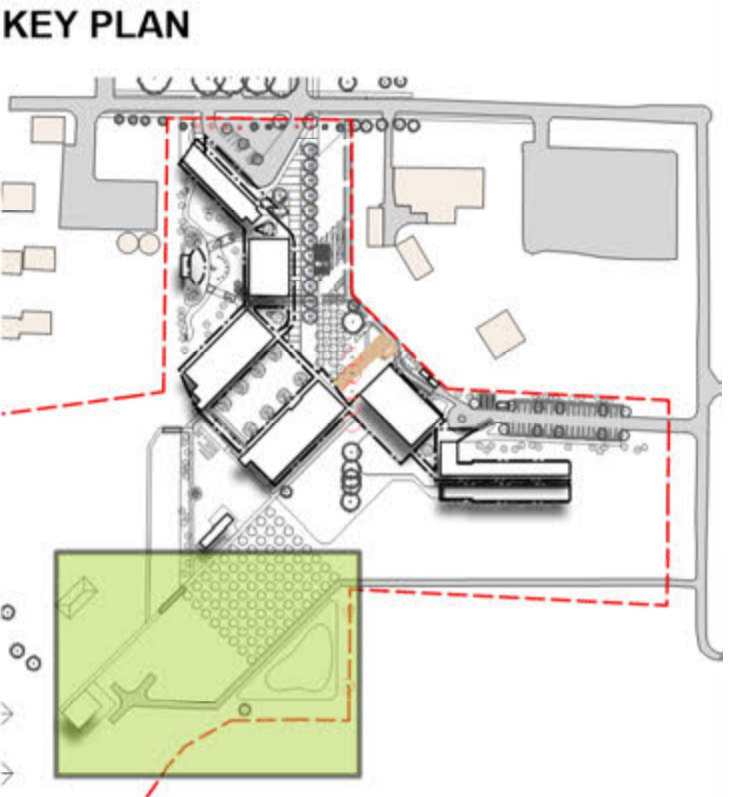
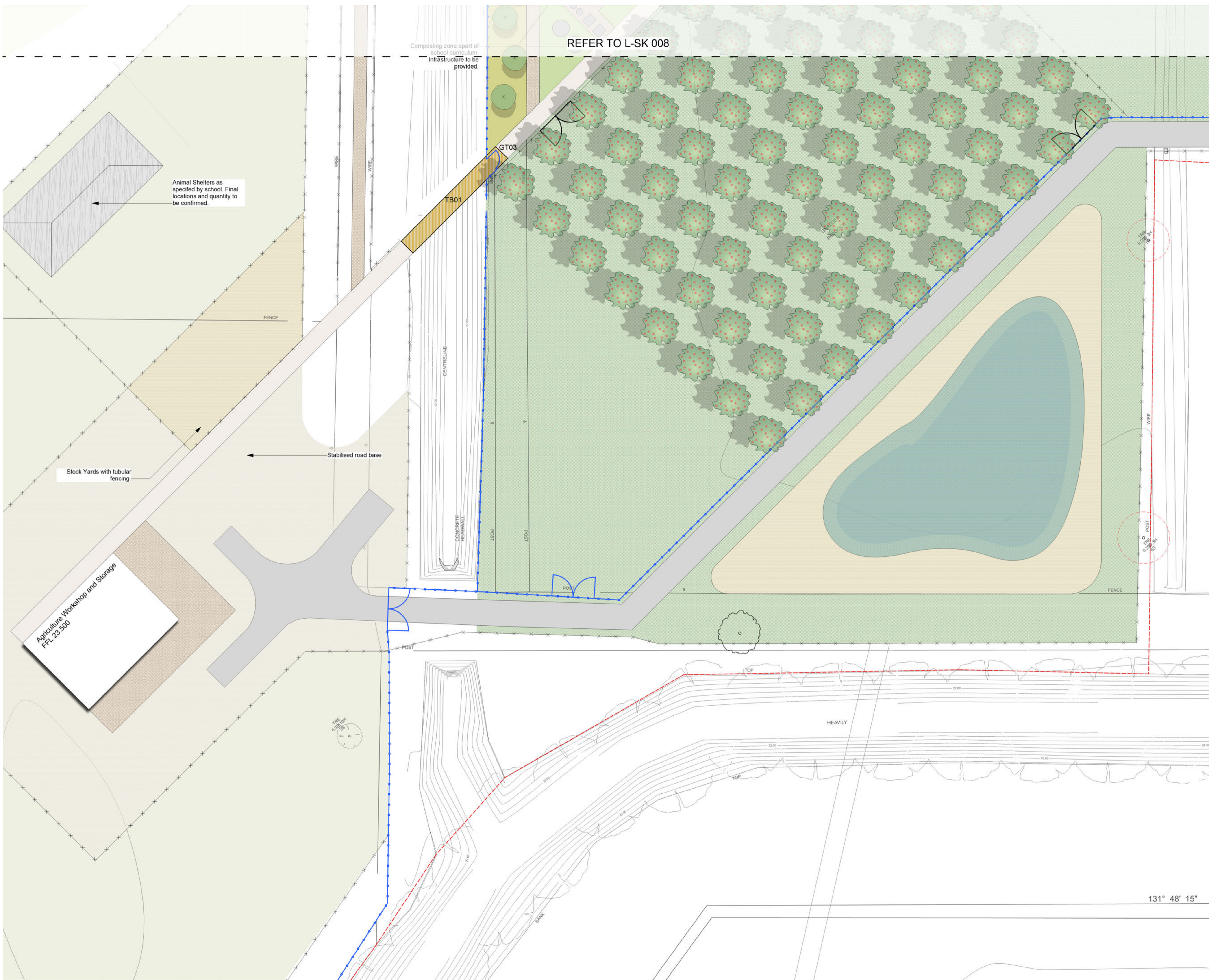
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 Date 28/04/2021
 Scale 1:200 @ A1 1:400 @ A3
 0 1 2 3 4 5 6m

Drawing Reference	Rev
20417-NBRS-L-SK 009	B





Issue				
No.	Date	Description	Chkd	
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Drawing Title

Arrangement Plan 04

Date 06/07/2021

Scale 1:200 @ A1 1:400 @ A3

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Drawing Reference

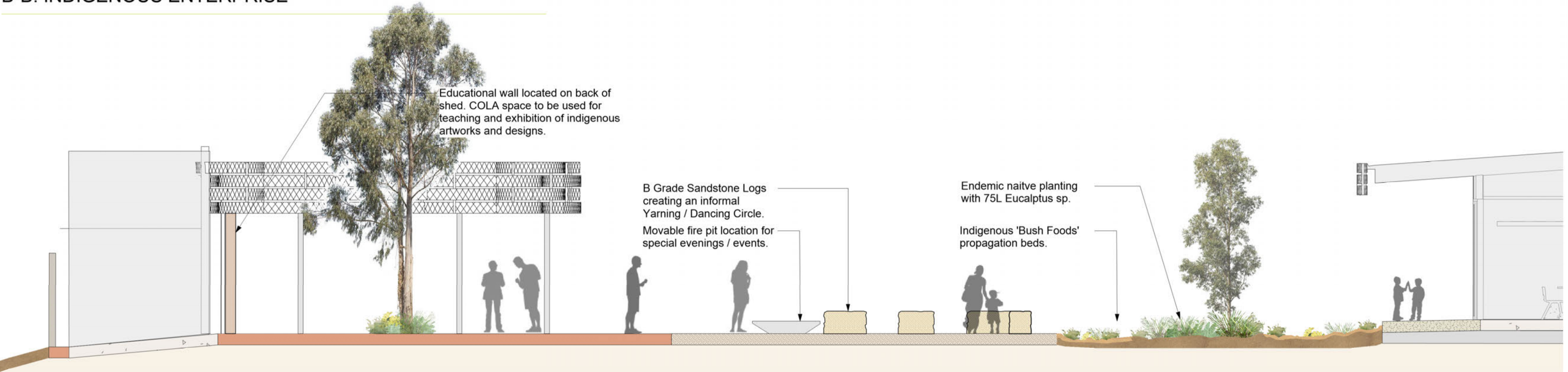
20417-NBR-L-SK 010

Rev
C

A-A: TECHNOLOGY ENTERPRISE



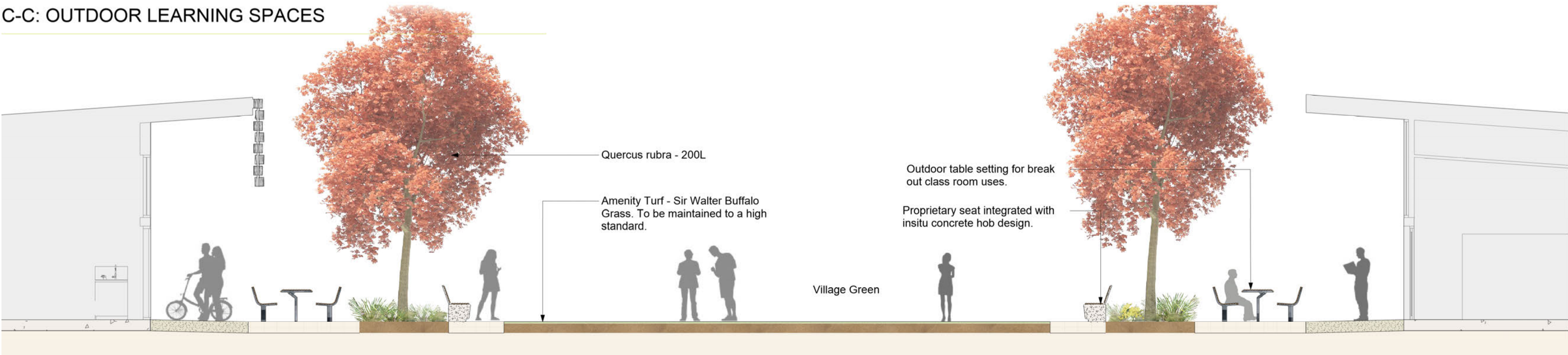
B-B: INDIGENOUS ENTERPRISE



Issue				Chkd
No.	Date	Description		
A	01/04/2021	SCHEMATIC ISSUE		AL
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C-C: OUTDOOR LEARNING SPACES



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LANDSCAPE**
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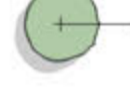

Drawing Title
Landscape Sections

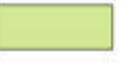



Date 28/04/2021
Scale Refer to Drawing

Drawing Reference
20417-NBR-L-SK 011

Rev
B

PLANT SCHEDULE

TREES		
	Eucalyptus tereticornis-200LT	17
	Eucalyptus moluccana-200LT	3
	Quercus rubra-200LT	8
	Pistacia chinensis-100L	3
	Melaleuca stypheloides-100L	14
	Eucalyptus spp.-75L	75
	Orchard spp.-Installed by School 105	

PLANTING		
	Native Planting 1800m2 (4 /M2)	
	Hardenbergia violacea-150mm	
	Lomandra 'Tanika'-150mm	
	Poa labillardieri 'Eskerdale'-150mm	
	Pennisetum alopecuroides-150mm	
	Themeda australis-150mm	
	Endemic Indigenous Planting 500m2 (6 /M2)	
	Acacia falcata-5L	
	Microlaena stipoides-150mm	
	Lomandra multiflora-150mm	
	Themeda australis-150mm	
	Garden Planting 230m2 (5 /M2)	
	Dianella revoluta-150mm	
	Lomandra 'Tanika'-150mm	
	Pennisetum setaceum 'Rubrum'-150mm	
	Philodendron 'Xanadu'-200mm	
	Trachelospermum jasminoides-150mm	
	Xanthorrhoea arborea-25lt	
	Rain Gardens (Bio-retention) 140m2 (5 /M2)	
	Carex appressa-150mm	
	Ficinia nodosa-150mm	
	Juncus usitatus-150mm	
	Lomandra longifolia-150mm	

PLANTING PLAN



Eucalyptus tereticornis



Quercus rubra



Eucalyptus moluccana



Acacia falcata



Melaleuca stypheloides



Poa labillardieri 'Eskerdale'



Philodendron 'Xanadu'



Microlaena stipoides



Themeda australis

Proposed Tree Canopy:

120 Proposed Trees (Canopy 7m Diameter at Maturity - roughly 35m2 per tree)
4,200m2 Canopy Coverage

105 Orchard Trees (Canopy 4m Diameter at Maturity - roughly 12m2 per tree)
1,260m2 Canopy Coverage

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Drawing Title
Planting Plan and Schedule

Date 06/07/2021	
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0 5 10 15 20 25 30m	
Drawing Reference	Rev
20417-NBRS-L-SK 012	D