

LEPPINGTON PUBLIC SCHOOL UPGRADE

LANDSCAPE WORKS

Prepared for:
Department of Education

Prepared by:
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Drawing List DWG NO.	DRAWING TITLE	SCALE
00	LANDSCAPE: COVER SHEET	NTS
01	LANDSCAPE: CONCEPT PLAN	1:500@A1
02	LANDSCAPE: SECTION ELEVATIONS	1:200@A1
03	LANDSCAPE: PLANTING STRATEGY	NTS



SITE CONTEXT



LEGEND

BOUNDARY & LEVELS

	BOUNDARY
	LOT BOUNDARY
	NEW BOUNDARY
	FUTURE PROPOSED ROAD WIDENING
	EXISTING CONTOUR
	PROPOSED CONTOUR BY CIVIL ENGINEER
	PROPOSED SPOT LEVEL

SERVICES

	ONSITE STORMWATER DETENTION TANKS TO ENGINEERS DETAILS
	SEWER MANHOLE TO ENGINEERS DETAILS
	ELECTRICAL PIT COMMUNICATION PIT TO ENGINEERS DETAILS
	STORMWATER PITS TO ENGINEERS DETAILS

HARDSCAPE

	CONCRETE PAVING
	ASPHALT PAVING (GAMES COURT)
	CONCRETE EDGE
	DECOMPOSED GRANITE PAVING
	PLAY SPACE

FURNITURE & FIXTURES

	ALUMINIUM SEAT
	MULTI USE GAMES COURT
	NEW FENCE
	EXISTING FENCE TO BE RETAINED
	PLAY EQUIPMENT TYPE
	PLAY EQUIPMENT TYPE
	PLAY EQUIPMENT TYPE
	FLAGPOLES
	GATE
	BIKE PARKING

SOFTSCAPE

	EXISTING TREE TO BE REMOVED
	EXISTING TREE TO BE RETAINED
	MULCH BED
	TURF
	TREE PLANTING IN MASS PLANTING BED
	EXISTING GARDEN BED
	EXISTING SYNTHETIC TURF

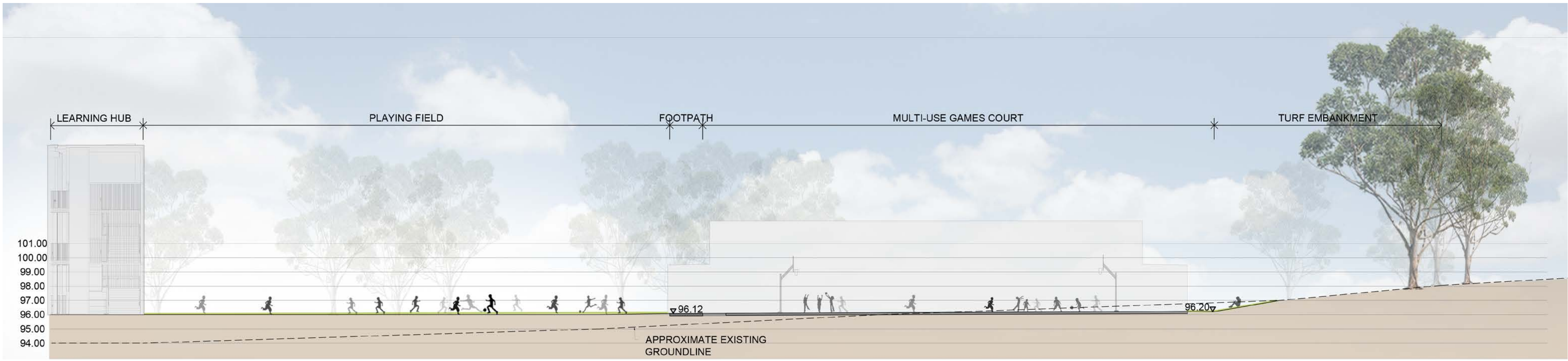
DIALOGUE

- Retention of existing trees provides amenity to the street frontage and shade for the new carpark.
- Adventure playground is located between the existing library and new learning hub as a centralised play zone for students.
- Existing trees of high value are retained with additional tree planting to form a quiet open space for students to play and relax.
- Existing trees that have been identified as belonging to the threatened ecological community of Cumberland Shale Plains Woodland are to be protected and retained
- Gathering space with a series of informal yarning circles are nestled amongst the existing trees and new Cumberland Plain Shale Woodland plantings.
- Open space to be used as a kick-a-bout area
- Turf embankment to the games court surrounds allows students to sit and view.
- Multi use games court to EFSG standards.
- Bike parking(40 spaces) to the western entry on the existing astro-turf area.

Project Name: Leppington Public School Upgrade
Project No: 22-039W
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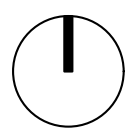
TaylorBrammer



Section Elevation AA
1:200



Key Plan



PLANTING STRATEGY

The plan below indicates generally where plants will be installed.



LEGEND

- STREET FRONTAGE
- GENERAL
- PLAY SPACE
- OPEN LAWN

The plant species for the Leppington Public School have been carefully selected from Cumberland Shale Woodland ecological community, which provides a wealth of colour, texture and scent. Endemic species are used to strengthen Connection to Country and begin to restore biodiversity. Accent flowering plants include the Midyini (Yam daisy) which has significance to Dharug owners of the land who gathered and cultivated the species for its edible tubers.

Endemic flowering groundcovers will provide a colourful entry to the school that celebrates indigenous plants and Aboriginal heritage. In other parts of the school where students engage in productive food gardening, these endemic species provide opportunities to learn about traditional and contemporary Aboriginal culinary culture. Species for the carpark retain the native character with trees strategically and safely placed to provide the greatest amount of shade.

A smaller selection of native and exotic species complements the palette with seasonal interest. Deciduous trees have been selected to provide shade and colour and acknowledge the multicultural nature of the community with species selected from Asia, Europe and Australia.

Indigenous Connection

Brachychiton populneus (Kurrajong)
The seeds can be eaten raw or roasted or used to make a drink like coffee. Young roots can be eaten and used to draw water. Fibre from the inner bark provides twine for nets and bags, and the sap can be used for glue.

Dianella caerulea (Flax lily)
Use as a tea ingredient in Aboriginal medicine, both root and leaf were used to remedy colds and headaches.

Hardenbergia violacea (Happy wanderer)
Use the leaves as a tea; vines can be used as rope.

Themeda triandra (Kangaroo grass)
This iconic grass provides seed that can be ground to make flour.

References

Bush Medicine Plants of the Illawarra, Terry Rankmore, Illawarra Aboriginal Corporation

Bush Tucker, Boomerangs and bandages, Michelle McKenney and harry White, 2011, Border Rivers-Gwydir

Cumberland Plain Woodland in the Sydney Basin Bioregion – critically endangered ecological community listing, NSW Department of Planning, Industry and Environment, 27 May 2019

Indicative Planting Lists for the Camden LGA <https://www.camden.nsw.gov.au/assets/pdfs/Council/Plans-and- Strategies/General-and-BASIX-Indicative-Tree-List.pdf>

PLANTING SCHEDULE

	BOTANICAL NAME	COMMON NAME	WIDTH	NATIVE	INDIGENOUS	POT SIZE	SPACING	STAKE
	CUMBERLAND SHALE WOODLAND				CONNECTION			
	TREES							
ALI	<i>Allocasuarina littoralis</i>	Black she-oak	5-15M	Y		45L	As shown	Yes(2)
ATO	<i>Allocasuarina tortulosa</i>	Forest She Oak	15m x 5m	Y		45L	As shown	Yes(2)
BPO	<i>Brachychiton populneus</i>	Kurrajong Tree	15m x 8m	Y		45L	As shown	Yes(2)
CGL	<i>Casuarina glauca</i>	She Oak	15m x 8m	Y		45L	As shown	Yes(2)
ECR	<i>Eucalyptus crebra</i>	Narrow Leaved Ironbark	18m x 12m	Y		45L	As shown	Yes(2)
EMO	<i>Eucalyptus moluccana</i>	Grey Box	25m x 15m	Y		45L	As shown	Yes(2)
ETE	<i>Eucalyptus tereticornis</i>	Forest Red Gum	25m x 15m	Y		45L	As shown	Yes(2)
MST	<i>Melaleuca styphelioides</i>	Prickly leaf paperbark	10m x 8m	Y		45L	As shown	Yes(2)

	SHRUBS							
PLI	<i>Persoonia linearis</i>	Narrow-leaf geebung	3 x 2m	Y		200mm	1/m2	-
PLN	<i>Pimelea linifolia</i>	White jewel Rice flower	1 x 1m	Y		200mm	1/m2	-

	GRASSES AND GROUNDCOVERS							
BAN	<i>Brachyscome angustifolia</i>	Rock Daisy	0.4m x 0.3m	Y		150mm	4/m2	-
BMU	<i>Brachyscome multifida</i>	Cut-leaved Daisy	0.3m x 0.3m	Y		150mm	4/m2	-
CAP	<i>Chrysocephalum apiculatum</i>	Yellow buttons	0.3 x 0.5	Y		150mm	4/m2	-
GHE	<i>Goodenia hederacea</i>	Ivy goodenia	0.5 x 1m	Y		150mm	4/m2	-
HVI	<i>Hardenbergia violacea</i>	Happy wanderer	3 x 2m	Y		150mm	4/m2	-
LMU	<i>Lomandra multiflora</i>	Mat Rush	0.5m x 0.5m	Y		150mm	4/m2	-
MDI	<i>Mentha diemenica</i>	Slender mint	0.15m x 0.2m	Y		150mm	4/m2	-
MWA	<i>Microseris walteri</i>	Yam daisy	0.15m x 0.2m	Y		150mm	4/m2	-
RLA	<i>Ranunculus lappaceus</i>	Australian butter cup	0.4 x 0.4	Y		150mm	4/m2	-
SAE	<i>Scaevola aemula</i>	Fan Flower	0.5m x 1m	Y		150mm	4/m2	-
SGA	<i>Swainsona galegifolia</i>	Smooth darling pea	1 x 1m	Y		150mm	4/m2	-
TTR	<i>Themeda Trianda</i>	kangaroo grass	0.15m x 1m	Y		150mm	4/m2	-
VHE	<i>Viola hederacea</i>	Native Violet	0.15m x 1m	Y		150mm	4/m2	-
WCO	<i>Wahlenbergia communis</i>	Tufted bluebell	0.15m x 0.2m	Y		150mm	4/m2	-

	GENERAL PLANTING							
	EVERGREEN TREES							
ACFL	<i>Acacia floribuna</i>	Gossamer Wattle	3m x 6m	Y		45L	As shown	Yes(2)
AFL	<i>Angophora floribunda</i>	Rough Bark Apple	18m x 10m	Y		45L	As shown	Yes(2)
AHI	<i>Angophora hispida</i>	Dwarf Apple	7m 5m	Y		45L	As shown	Yes(2)
ASU	<i>Angophora subvelutina</i>	Broad Leaved Apple	20m x 10m	Y		45L	As shown	Yes(2)
BMY	<i>Backhousia myrtifolia</i>	Grey Myrtle	7m x 4m	Y		45L	As shown	Yes(2)
CVI	<i>Callistemon viminalis</i>	Weeping Bottlebrush	8m x 4m	Y		45L	As shown	Yes(2)
ERE	<i>Elaeocarpus reticulatus</i>	Blue Berry Ash	8 X 4M	Y		45L	As shown	Yes(2)
GFE	<i>Glochidion ferdinandi</i>	Cheese Tree	8 x 6m	Y		45L	As shown	Yes(2)
MDE	<i>Melaleuca decora</i>	White Feather Honey Myrtle	10m x 5m	Y		45L	As shown	Yes(2)
MQU	<i>Melaleuca quinquenervia</i>	Broad-Leaf Paperbark	12m x 4m	Y		45L	As shown	Yes(2)

	DECIDUOUS TREES							
BAC	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	12m x 6m	Y		100L	As shown	Yes(2)
PCH	<i>Pistacia chinensis</i>	Chinese Pistachio Tree	8m x 6m	N		100L	As shown	Yes(2)
PCA	<i>Pyrus calleryana 'Chanticleer'</i>	Ornamental Pear	11m x 5m	N		100L	As shown	Yes(2)
ZSE	<i>Zelkova serrata</i>	Japanese Elm	13m x 10m	N		100L	As shown	Yes(2)

	SHRUBS							
BSP	<i>Banksia spinulosa 'Bush Candles</i>	Hairpin Banksia	0.5m x 1.5m	Y		200mm	1/m2	-
BCE	<i>Breynia cernua</i>	Apple Berry	2m x 1m	Y		200mm	1/m2	-
CGCI	<i>Casuarina glauca 'Cousin It'</i>	Casuarina shagpile	0.1m x 1m	Y		200mm	1/m2	-
ODI	<i>Ozothamnus diasmifolius</i>	Rice Flower	1.5 x 1.5	Y		200mm	1/m2	-

	GRASSES AND GROUNDCOVERS							
AMI	<i>Achillea millefolium 'Terracotta'</i>	Yarrow	0.5 x 0.5m	N		150mm	4/m2	-
AAU	<i>Ajuga australis</i>	Australian Bugle	0.5 x 3m	Y		150mm	4/m2	-
BCO	<i>Bergenia cordifolia</i>	Elephant's Ears	0.6 0.5m	N		150mm	4/m2	-
BFE	<i>Bidens ferulifolia 'Campfire'</i>	Biden's Campfire	0.5 x 0.5	N		150mm	4/m2	-
DCA	<i>Dianella caerulea 'King Alfred'</i>	Blue Flax Lily	1m x 2m	Y		150mm	4/m2	-
DTA	<i>Dianella tasmanica 'Blaze'</i>	Blue Flax Lily small dark leaf	0.45 x0.45m	Y		150mm	4/m2	-
FGL	<i>Festuca glauca</i>	Blue tussock	0.4 x 0.4	N		150mm	4/m2	-
LCO	<i>Lomandra confertifolia 'Wingara'</i>	Mat Rush	0.4m x 0.7m	Y		150mm	4/m2	-
LEB	<i>Lomandra 'Evergreen baby'</i>	Mat rush	0.4 x 0.45	Y		150mm	4/m2	-
LLO	<i>Lomandra hystrix 'Lucky Stripe'</i>	Mat Rush	1m x 0.6m	Y		150mm	4/m2	-
LLC	<i>Lomandra 'Little Con'</i>	Mat Rush	0.3 x 0.3m	Y		150mm	4/m2	-
MSI	<i>Microlaena stipoides</i>	Weeping Grass	0.6m x 0.3m	Y		150mm	4/m2	-
PLA	<i>Poa labillardierei var. labillardierei</i>	Tufted Grass	0.8m x 0.3m	Y		150mm	4/m2	-
RCA	<i>Rydosperma caespitosum</i>	Wallaby Grass	0.70 x .30	Y		150mm	4/m2	-

PLANTING IMAGERY



Angophora floribunda



Melaleuca quinquenervia



Casuarina glauca



Persoonia linearis



Pimelea linifolia



Chrysocephalum apiculatum



Brachyscome angustifolia



Goodenia hederacea



Callistemon viminalis



Melaleuca quinquenervia



Acacia falcata



Pistacia chinensis



Pyrus calleryana



Zelkova serrata



Banksia spinulosa ‘



Casuarina ‘Cousin it’



Ozomanthus diasmidolius



Lomandra hystrix ‘Lucky Stripe’



Dianella tasmanica ‘Blaze’



Festuca glauca

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Planting Strategy