



## LEGEND

Site boundary	2150mm palisade fence	Proposed deciduous trees
Existing contours	900mm mesh fence	Proposed native trees
Spot levels	900mm masonry fence	Proposed evergreen trees
Concrete paving	1200mm non-climbable fence	Existing trees to be retained
Games court	Seat	Existing trees to be removed
Play	Mass planting	Existing tree protection zone
Yarning Circle (turf with sandstone log seat)	Turf	
	Mulch bed	

## DIALOGUE

- 1 Main pedestrian entry from Wallarah Circuit formed by a 1 in 20 accessible pathway and terraced steps. Marker tree and feature planting provide an entry statement.
- 2 Low planting, turfed area and deciduous tree planting provide a permeable surface and shade.
- 3 Carpark ( South West corner) layout responds to existing Cumberland Plain Woodland trees and reflects bushfire asset protection requirements (holds 60 vehicles).
- 4 Access into school grounds from the carpark ( South West corner). Turf cell surfacing with bollards to the edge.
- 5 Retention of existing Cumberland Plain Woodland (*Eucalyptus tereticornis*) trees that are in good health. Removal of (*Eucalyptus tereticornis*) trees that are dead, in poor health or pose a risk to future users (as per Arboricultural Assessment Report dated 07-10-2022).
- 6 Trees to be removed will have their stumps and the root systems retained during removal to minimise the disturbance to trees identified as retained. The area identified as Cumberland Plain Woodland is to be fenced off and left to rehabilitate naturally (as per Ecological Report dated 20.02.2023)
- 7 Situated outside of risk of potential limb dropping, the Yarning Circle sits with an outlook towards onto the remnant Cumberland Plain Woodland.
- 8 COLA forecourt/assembly area with handball courts, deciduous tree planting and seating.
- 9 Tiered seating overlooking assembly area
- 10 Turf lawn with deciduous tree planting provides a comfortable place for flexible outdoor learning connected to the Library.
- 11 Bike storage area
- 12 Secondary pedestrian and bike entrance from Long Reef Circuit
- 13 Varying sizes of outdoor learning connected to general learning areas and games court. Mix of evergreen and deciduous tree planting provides shade.
- 14 Tree planting along pedestrian pathways
- 15 Secondary pedestrian and bike entrance from Long Reef Circuit and riparian
- 16 Nature play with a range of climbing, and outdoor learning opportunities. Re-use of on-site tree logs sit within the garden to provide a border.
- 17 Planted on-site dention and bio-retention basins
- 18 Extension of the Cumberland Plain Woodland character with informal tree planting to the school around the perimeter, providing a buffer between the basin and swale.
- 19 Under 11 sized playing field allows all age groups to compete.
- 20 Tiered seating with staired access provides seating and viewing opportunities over the playing field
- 21 Multi use games court and handball courts
- 22 Open play space
- 23 Informal groups of native trees in mulch to street frontage. Turf to the building frontage provides open access.
- 24 Existing carpark (North East) waste pad and footpath to be retained

LIST OF CHANGES  
1. Existing carpark (North East) waste pad and footpath to be retained.  
Existing footpath on street to be retained and street tree retention/removal updated.





Perimeter planting



Grassed bank



Nature Play



Playing field



Shaded outdoor learning



Tiered seating



Bike parking



Deciduous trees



Entry planting





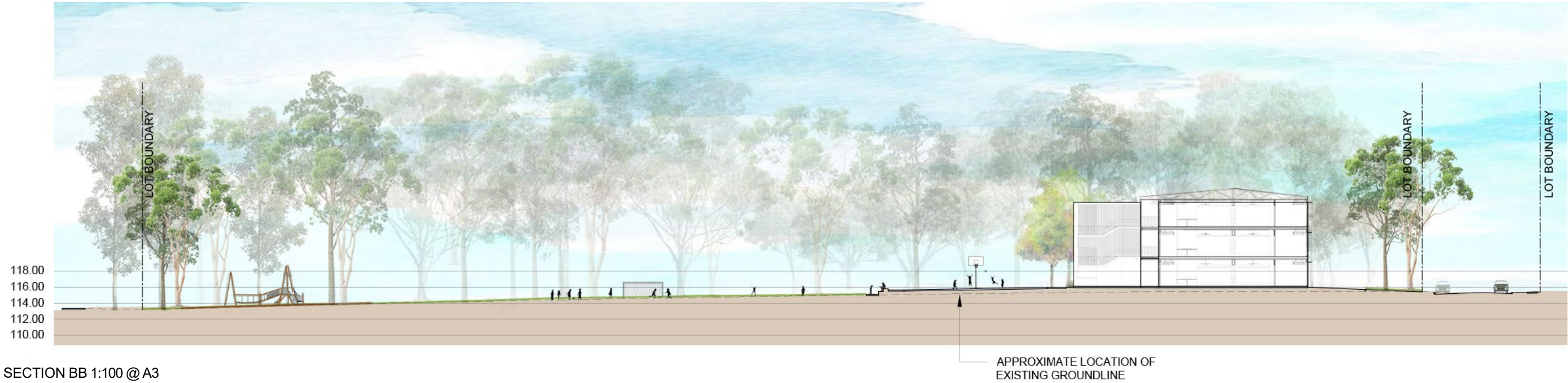
SECTION ELEVATIONS



SECTION AA 1:100 @ A3



KEY PLAN



SECTION BB 1:100 @ A3





KEY PLAN



SECTION CC 1:100 @ A3



PLANTING STRATEGY

The below planting strategy refers to the Plant Schedule in regards to species selection.



The plants species for the Gregory Hills Public school have been carefully selected from the local indigenous ecological community of the Cumberland Plain Woodland. Local indigenous species have also been selected from the Camden LGA Indicative Planting list.

Suitable species of the Cumberland Plain Woodland that can be supported on the school site have been selected to assist in highlighting the remnant cluster of *Eucalyptus tereticornis* in the sites south-west corner while also providing great educational value. This existing character is to be extended and enhanced to the school perimeter in informal groups to provide a vegetation buffer that is suitable for the locality.

Suitable deciduous trees have been chosen to provide colour and balance to the existing school paved areas that will provide comfort and shade during the summer and allow for sunlight during the winter. Suitable trees have been selected to integrate into the existing vegetation and character of the site at the street frontage. Marker trees that are uniquely identifiable have been chosen at points of entry to the school.

Species selection for the carpark (South West corner) retains the native character that is present adjacent in the existing Cumberland Plain Woodland tree cluster. Trees have been strategically placed to provide the greatest amount of shade while meeting bushfire asset protection guidelines.

Shrubs and groundcovers that are not sharp or poisonous have been specifically selected for safety. The species are also suitable climatically, low maintenance and water wise.

References

- 1. Cumberland Plain Woodland in the Sydney Basin Bioregion - critically endangered ecological community listing, NSW Department of Planning, Industry and Environment, 27 May 2019 <https://www.environment.nsw.gov.au/topics/animals-and-plants/threatened-species/nsw-threatened-species-scientific-committee/determinations/final-determinations/2008-2010/cumberland-plain-woodland-critically-endangered-ecological-community-listing>
- 2. 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>

BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	SPACING	HEIGHT X WIDTH	NATIVE	PERIMETER	STREET FRONTAGE	CARPARK	ENTRY	GENERAL	BIO-RETENTION BASIN
CUMBERLAND PLAINS WOODLAND PLANT SCHEDULE												
TREES												
<i>Acacia floribuna</i>	Gossamer Wattle	4	300 pot	As Shown	3m x 6m	Y						
<i>Brachychiton populneus</i>	Kurrajong Tree	14	400L	As Shown	15m x 8m	Y						
<i>Casuarina glauca</i>	She Oak	36	300 pot	As Shown	15m x 8m	Y						
<i>Eucalyptus crebra</i>	Narrow Leaved Ironbark	2	300 pot	As Shown	18m x 12m	Y						
<i>Eucalyptus tereticornis</i>	Forest Red Gum	1	300 pot	As Shown	25m x 15m	Y						
<i>Eucalyptus moluccana</i>	Grey Box	2	300 pot	As Shown	25m x 15m	Y						
<i>Melaleuca decora</i>	White Feather Honey Myrtle	7	300 pot	As Shown	10m x 5m	Y						
<i>Melaleuca quinquenervia</i>	Broad-Leaf Paperbark	3	300 pot	As Shown	12m x 4m	Y						
<i>Melaleuca styphelioides</i>	Prickly leaf paperbark	9	300 pot	As Shown	10m x 8m	Y						

NOTE:  
1. ALL CUMBERLAND PLAIN WOODLAND PLANTS ARE TO BE OF LOCAL PROVENANCE WITH RELEVANT CERTIFICATES TO BE PROVIDED BY THE LANDSCAPE CONTRACTOR.

SHRUBS												
<i>Bursaria spinosa</i>	Sweet Bursaria	10	150mm	As Shown	4m x 3m	Y						
GRASSES AND GROUNDCOVERS												
<i>Brachyscome angustifolia</i>	Rock Daisy	3	150mm	4/m2	0.4m x 0.3m	Y						
<i>Brachyscome multifida</i>	Cut-leaved Daisy	39	150mm	4/m2	0.3m x 0.3m	Y						
<i>Dianella longifolia</i>	Flax Lily	183	150mm	4/m2	1m x 1m	Y						
<i>Dianella revoluta</i>	Black Anther Flax Lily	183	150mm	4/m2	0.4m x 0.4m	Y						
<i>Hardenbergia violacea</i>	Purple Coral Pea	359	150mm	4/m2	3 x 2m	Y						
<i>Lomandra multiflora</i>	Mat Rush	839	150mm	4/m2	0.5m x 0.5m	Y						
<i>Scaevola aemula</i>	Fan Flower	12	150mm	4/m2	0.5m x 1m	Y						
<i>Viola hederacea</i>	Native Violet	159	150mm	4/m2	0.15m x 1m	Y						

GENERAL PLANTING												
EVERGREEN TREES												
<i>Allocasuarina littoralis</i>	Narrow She Oak	2	300 pot	As Shown	10m x 5m	Y						
<i>Allocasuarina tortulosa</i>	Forest She Oak	5	300 pot	As Shown	15m x 5m	Y						
<i>Elaeocarpus reticulatus</i>	Blueberry Ash	5	300 pot	As Shown	8m x 6m	Y						
<i>Angophora floribunda</i>	Rough Bark Apple	16	300 pot	As Shown	18m x 10m	Y						
<i>Angophora subvelutina</i>	Broad Leaved Apple	4	300 pot	As Shown	20m x 10m	Y						
<i>Banksia myrtifolia</i>	Grey Myrtle	1	300 pot	As Shown	7m x 4m	Y						
<i>Casuarina cunninghamiana</i>	River Oak	1	300 pot	As Shown	15-30m	Y						
<i>Callistemon viminalis</i>	Weeping Bottlebrush	6	300 pot	As Shown	8m x 4m	Y						

DECIDUOUS TREES												
<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	9	400L	As Shown	12m x 6m	Y						
<i>Pyrus calleryana 'Chanticleer'</i>	Ornamental Pear	14	400L	As Shown	11m x 5m	N						
<i>Zelkova serrata</i>	Japanese Elm	17	400L	As Shown	13m x 10m	N						

SHRUBS												
<i>Aeonium arboreum 'Zwartkop'</i>	Black Rose Succulent	5	150mm	As Shown	1m x 0.50m	N						
<i>Banksia spinulosa 'Bush Candles'</i>	Hairpin Banksia	10	150mm	As Shown	0.5m x 1.5m	Y						
<i>Breynia cernua</i>	Apple Berry	14	150mm	As Shown	2m x 1m	Y						
<i>Casuarina glauca 'Cousin It'</i>	Casuarina shagpile	26	150mm	As Shown	0.1m x 1m	Y						
<i>Cordyline fruticosa 'Rubra'</i>		56	150mm	As Shown	1.5 x 1m	Y						
<i>Doryanthes excelsa</i>	Gymea Lily	16	150mm	As Shown	3m x 4m	Y						
<i>Ozothamnus diasmifolius</i>	Rice Flower	12	150mm	As Shown	1.5 x 1.5	Y						

PLANTING IMAGERY



Acacia floribuna



Casuarina glauca



Eucalyptus tereticornis



Bursaria spinosa



Hardenbergia violacea



Scaevola aemula



Allocasuarina littoralis



Elaeocarpus reticulatus



Callistemon viminalis



Brachychiton acerifolius



Pyrus calleryana 'Chanticleer'



Zelkova serrata



Aeonium arboreum 'Zwartkop'



Banksia spinulosa 'Bush Candles'



Ozothamnus diasmifolius



PLANTING STRATEGY

The below planting strategy refers to the Plant Schedule in regards to species selection.



GROUNDCOVERS												
Achillea millefolium 'Terracotta'	Yarrow	359	150mm	4/m2	0.5 x 0.5m	N						
Bergenia cordifolia	Elephant's Ears, Saxifraga0.20 x	56	150mm	4/m2	0.6 0.5m	N						
Bidens ferulifolia 'Campfire'	Biden's Campfire	11	150mm	4/m2	0.5 x 0.5	N						
Lomandra 'Little Con'	Mat Rush	96	150mm	4/m2	0.3 x 0.3m	Y						
Clematis armandii	Evergreen Clematis	359	150mm	4/m2	9 x 1m	Y						
Ajuga australis	Australian Bugle	56	150mm	4/m2	0.5 x 3m	Y						

GRASSES												
Carex appressa	Tall Sedge	839	150mm	4/m2	1m x 1m	Y						
Dianella caerulea	Blue Flax Lily	183	150mm	4/m2	1m x 2m	Y						
Festuca glauca	Blue tussock	240	150mm	4/m2	0.4 x 0.4	N						
Juncus usitatus	Common Rush	183	150mm	4/m2	1.2m x 1m	Y						
Lomandra confertifolia	Mat Rush	839	150mm	4/m2	0.4m x 0.7m	Y						
Lomandra longifolia	Mat Rush	839	150mm	4/m2	1m x 0.6m	Y						
Microloena stipoides	Weeping Grass	240	150mm	4/m2	0.6m x 0.3m	Y						
Poa labillardierei var. labillardierei	Tufted Grass	574	150mm	4/m2	0.8m x 0.3m	Y						
Rydosperma caespitosum	Wallaby Grass	240	150mm	4/m2	0.70 x .30	Y						
Themeda triandra	Kangaroo Grass	574	150mm	4/m2	0.5m x 0.5m	Y						

BIO-RETENTION BASIN												
Austrostipa stipoides	Coast Spear Grass	600	150mm	4/m2	0.8 x 0.8m	Y						
Bolboschoenus caldwellii	Marsh Club Rush	600	150mm	4/m2	1 x 0.6m	Y						
Carex appressa	Tall Sedge	600	150mm	4/m2	0.60 x 0.60	Y						
Ficinia nodosa	Knobby Club Rush	600	150mm	4/m2	1m x 0.60m	Y						
Ghania filum	Saw Sedge	600	150mm	4/m2	1m x 1m	Y						
Juncus usitas	Sedge	600	150mm	4/m2	1m x 0.60m	Y						
Lomandra longifolia	Mat Rush	600	150mm	4/m2	1m x 1m	Y						

PLANTING IMAGERY



Achillea millefolium 'Terracotta'



Bidens ferulifolia 'Campfire'



Clematis armandii



Festuca glauca



Rydosperra caespitosum



Themeda triandra



Austrostipa stipoides



Ghania filum



Juncus usitas