

Narrabeen Education Precinct Proposed Trees

Company	DesignInc
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Project Name	Narrabeen Education Precinct
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Landscape Architectural Statement

Proposed works to North Narrabeen Public School and Narrabeen Sports High School requires existing trees to be removed which are being affected by proposed building and construction works. Every effort has been made by the project architecture and landscape architecture team to retain the maximum number of trees across the site, whilst ensure the minimum needs for the school development are met. Multiple building and associated landscape works options and locations have been explored to retain and protect trees, with the final scheme deemed the most effective.

The provided Tree Reclamation Plans indicate the extent of existing trees, trees to be retained and protected, trees proposed for removal and proposed replacement trees. The design intent is to provide new tree plantings, which, upon maturity, will replace tree canopy loss and enhance the overall tree canopy coverage across the sites.

The proposed works across both primary and high schools requires the removal of 39 trees with 53 trees proposed for replacement. Trees to be removed are a mixture of locally native, native and exotic species. The proposed replacement tree species include species selected from the locally native ecological community of Swamp Oak Floodplain Forest and Swamp Oak tall open forest including: *Glochidion ferdinandi*, *Banksia integrifolia*, *Livistona australis*, *Melaleuca styphelioides*, *Casuarina glauca*, *Eucalyptus robusta*. Additional native trees are proposed due to their habit and shading potential which include *Ficus microcarpa*, *Elaeocarpus reticulatus* and *Tristanopsis laurina*.

As all proposed tree species are native and suited to the local environment, they will require a lower level of ongoing maintenance and will be more resilient to weather extremes. The proposed species are suitable for a school environment and have been placed at a safe offset from all existing and proposed buildings. Larger tree species have been positioned to allow healthy unrestricted growth and where possible away from high traffic areas. Trees are proposed within the existing carpark areas to provide shading of hard surfaces and smaller tree species are proposed within school seating areas to provide shade for students and staff. Regular ongoing inspections from consulting arborists will ensure trees are maintained in a healthy manner and continue to be safe for a school environment.

The final location of proposed trees is subject to changes during detailed design however the replacement strategy and minimum proposed tree quantities outlined will remain. Please see below a list of the proposed trees.

INDICATIVE PROPOSED TREE SCHEDULE NARRABEEN EDUCATION PRECINCT				
CODE	BOTANICAL NAME	COMMON NAME	MATURE SIZE (H x W)	SUPPLY SIZE
TREES				
Bai	<i>Banksia integrifolia</i> *	Coastal Banksia	15 x 6m	100L
Cag	<i>Casuarina glauca</i> *	Swamp She-Oak	15 x 15m	100L
Elr	<i>Elaeocarpus reticulatus</i> *	Blueberry Ash	8 x 4m	100L
Eur	<i>Eucalyptus robusta</i> *	Swamp Mahogany	30 x 10m	100L
Fmh	<i>Ficus microcarpa hillii</i> **	Hills Weeping Fig	10-25 x 10m	100L
GlF	<i>Glochidion ferdinandi</i> *	Cheese Tree	15 x 7m	100L
Lia	<i>Livistona australis</i> *	Cabbage Palm	25 x 5m	100L
Mel	<i>Melaleuca styphelioides</i> *	Prickly Paperbark	10 x 8m	100L
Trl	<i>Tristanopsis laurina</i> **	Kanooka Gum	12-15 x 6m	100L

* Locally Native to Swamp Oak Floodplains/Tall Open Forest

** Native species

Signed



For DesignInc Sydney Pty Ltd