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Landscape Report for Section 96 Stormwater & Sewer Diversion, Westfield Warringah Mall, Brookvale

for Scentre Group

13th October 2015 project no 4296-00

landscan

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issue register

Date of Issue	Reason for Issue	Prepared by	Checked by	Signed
03 Dec 2008	Preliminary Issue A	A Beeston	C M ^c Lay	
09 Dec 2008	Da Issue B	A Beeston	A Beeston	AWTERE
24 June 2010	DA Issue C	A Beeston	C M ^c Lay	Allare Milag
13 Oct 2015	Section 96	A Beeston	A Beeston	AWB



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1 Landscape Design Philosophy

1.1 Aim

The landscape design has been prepared to address the environmental and visual requirements of removing the existing vegetation at Warringah Mall. The design aims to soften the impact of the trees removed as a result of the proposed stormwater culvert and sewer diversion alignment along Pittwater Road and Condamine Street at Warringah Mall. Species have been selected that are suitable for planting in the Warringah Council area.

1.2 New Sewer Diversion & Stormwater to Pittwater Road and Condamine Street

The eastern boundary of Warringah Mall is bounded by Pittwater road and Condamine Street. Many large existing trees have been planted along this boundary in the past. There are two significant tree plantings;

- One grouping is located at the bus stops on Pittwater road and includes a Norfolk Island Pine 20m, Port Jackson Fig 14m and Moreton Bay figs 12m&10m and a Brush Box 14m. This grouping of large substantial trees is visually significant to the street interface and Bus stops. These trees no. 6-11 are noted under Zone D in the Tree Report Warringah Mall Brookvale development 2008 by Treescan.
- 2. The second grouping of trees located along Condamine Street is made up of mainly large mature melaleuca and casuarinas species from 8 to 16m tall. This grouping of trees is visually prominent from the road and provides screening to Warringah Mall and its carparks. These trees, No.s 15-68 have been captured under the Arboriculture Assessment Report 2015 by Jacksons Nature Works.

The sewer diversion and stormwater concrete culvert located along Pittwater Road and Condamine Street as detailed on the civil drawings is proposing to remove the majority of these trees. This will have a detrimental effect to the street frontage to both these roads. Both the sewer and stormwater will be located underground and provision of new planting over.

The proposed landscaping will aim to soften the impact of the existing vegetation removed and consist of tall clean stemmed trees along the frontage to Condamine and Pittwater. Sweeping curves of turf, banding of low shrubs and groundcovers will be planted beneath medium to large indigenous and native trees to maintain clear sight lines into the site. Species have been selected from Duffy's Forest Ecological Community, Sydney Turpentine Ironbark Forest, Blue Gum High Forest and Warringah Council Basix List. Refer Landscape Plans lask0502 and lask0503.

1.3 ESD Principles

The proposed indicative plant schedule for the site is shown on the landscape plan. Principles of ESD have been incorporated into the design including plant selection with low maintenance and low water demand will be used for proposed planting.

Species have been selected that are suitable for planting in the Warringah City Council Area



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1.4 Plant List

	Botanic Name	Common Name	Height	Spread	Community
	TREES				
As	Acmena smithii	Lilly Pilly	10m	6m	BGHF
Aco	Angophora costata	Sydney Red Gum	20m	12m	DFEC
Bi	Banksia integrifolia	Coastal Banksia	14m	8m	
Bs	Banksia serrata	Old Man Banksia	6m	3m	DFEC
Er	Elaeocarpus reticulatus	Blueberry Ash	6m	3m	BGHF
Epu	Eucalyptus punctata	Grey Gum	20m	12m	STIF
Ero	Eucalyptus robusta	Swamp Mahogany	10-20m	4-8m	
_C	Lophostemon confertus	Brush Box	15m	10m	
Sg	Syncarpia glomulifera	Turpentine	18m 8m		STIF
TI'L'	Tristaniopsis laurina 'Luscious'	Luscious Water Gum	6m	5m	
	SHRUBS				
Зе	Banksia ericifolia	Heath Banksia	2m	2m	BASIX
Bsp	Banksia spinulosa	Hairpin Banksia	1.5m	1.5m	DFEC
Ca	Correa alba	White Correa	1.5m	1m	BASIX
C'CC'	Callistemon 'Captain Cook'	Captain Cook	1.2m	1m	
De	Doryanthes excelsa	Gymea Lily	1.5m	1.5m	
GI	Grevillea linearifolia	Linear Leaf Grevillea	2m	2m	
Gs	Grevillea sericea	Pink Spider Flower	1.5m	1m	
Gsp	Grevillea speciosa	Red Spider Flower	1.5m	1.5m	
_f	Lambertia formosa	Mountain Devil	1.5m	1.5m	
_t	Leptospermum 'Pacific Beauty'	Pacific Beauty	2m	1.5m	
S'AS'	Syzygium 'Aussie Southern'	Dwarf Lilly Pillly	2.5m	2m	
Nfr	Westringia fruticosa	Coastal Rosemary	2m	5m	
Nf'S'	Westringia fruticosa 'Smokey'	Dwarf Westringia	0.8m	0.8m	
	GROUNDCOVERS/CLIMBERS				
Cap	Carex appressa	Tall Sedge	0.8m	0.6m	
Dc'B'	Dianella caerulea 'Breeze'	Dianella Breeze	0.5m	0.5m	DFEC
Dc'CB'	Dianella caerulea 'Cassa Blue'	Cassa Blue	0.4m	0.4m	DFEC
Dc'LJ'	Dianella caerulea 'Little Jess'	Little Jess	0.4m	0.4m	DFEC
D'SS' Dianella 'Silver Streak'		Flax Lily	0.5m	0.4m	
G'BR' Grevillea 'Bronze Rambler'		Grevillea Bronze Ramble	0.3m	1.5m	
H'MH' Hardenbergia 'Mini Ha-Ha'		Purple Coral Pea	0.3m	1.5m	STIF
		Knobby Club Rush	0.8m	0.6m	
LI'T' Lomandra longifolia 'Tanika'		Tanika	0.4m	0.4m	BGHF
_l	Lomandra longifolia	Lomandra	0.8m	1m	BGHF
Pa'N'	Pennisetum alopecuroides 'Nafray		0.6m	0.6m	
PI'E'	Poa labillardieri 'Eskdale'	Poa Eskdale	0.4m	0.4m	
Tj	Trachelospermum jasminoides	Star Jasmine	0.4m	1.5m	

DFEC STIF BGHF BASIX DUFFY'S FOREST ECOLOGICAL COMMUNITY SYDNEY TURPENTINE IRONBARK FOREST BLUE GUM HIGH FOREST WARRINGAH COUNCIL BASIX LIST





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