

## 4) Appendix D

Indicative Concept Landscape Plan prepared by John Chetham & Associates



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F (02) 94601106

Healing ONR Pty Limited 679-685 Old Northern Road Dural NSW 2158

02 February 2022

Attention: To Whom It May Concern

RE: 679-685 Old Northern Road, Dural

Planning Proposal for Health Services Facility

Landscape Design: Deep Soil & Sustainability Criteria

Reference is made to the above Planning Proposal to establish a Health Services Facility on a consolidated site in the Round Corner Town Centre. It is acknowledged that the Old Northern Road separates The Hills Shire Council from Hornsby Shire Council and the site lies within the latter Council and thus subject to the applicable codes and policies.

#### 1.0 Landscape Design Considerations

The site is bounded to the north by a two-storey veterinary clinic with an at-grade car park to the front. A new well sized residential aged care facility, 'Dural House' to the east of the site and a two-storey residential dwelling to the south.

#### 1.1 Round Corner Town Centre Environs

Round Corner shopping precinct is approximately 50 metres away on the north-west side of the Old Northern Road and within The Hills Shire Council jurisdiction. Current plans are to expand the Round Corner Town Centre for additional retail, commercial and residential development to the south of Stonlea Court at 488-494 Old Northern Road, Dural. This will transform the Round Corner Town Centre to a substantially more urban environment with commensurate needs for health care and associated facilities, most particularly for the surrounding residential aged care homes and proposed residential development.

Whilst the site is currently zoned RU2, its juxtaposition to the Round Corner Town Centre and its future character within the next 3 to 5 years will inevitably change the local character surrounding the proposed new development. The external treatment for this Planning Proposal should therefore be viewed within this context.

## 1.2 Endemic Vegetation

Old Northern Road and adjacent private lands are mapped as 'Sydney Turpentine Ironbark Forest' (STIF) which is listed as a Critically Endangered Ecological Community under the NSW Biodiversity Conservation Act 2016. However only a few remnant trees of this vegetative community remain in close proximity to the site due to extensive land clearing over the years and continuing urbanisation.

The site contains selected native trees including Spotted Gum (*Corymbia maculata*) and Southern Blue Gum (*Eucalyptus bicostata*), but these are screened from view from the road frontage. There is a large Smooth-barked Apple (*Angophora costata*) within the road reserve of the Old Northern Road. There are also a number of exotic species within the site as listed in the Arboricultural Impact Assessment report prepared by Eco-logical Eco Logical Australia dated 20 January 2022. No other environmentally listed or protected items have been identified within the site.

The large Smooth-barked Apple/Sydney Red Gum (Angophora costata) within the nature strip which makes an important visual contribution to Old Northern Road will be retained and comprehensively protected as part of this Planning Proposal.

#### 2.0 Landscape Planting Areas

The Landscape plans and associated drawings to which this report refers have been prepared on the basis that this is a 'Planning Proposal' rather than a DA, and as such they should be read and



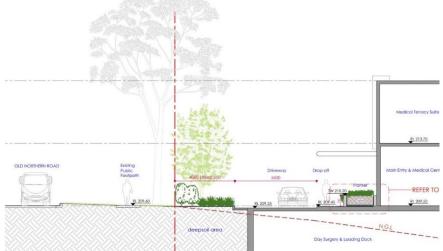
reviewed as being conceptual in content and detail, notwithstanding that Indicative Plant Species have been specified and Indicative Cross Sections have been prepared. These details have been provided to demonstrate that where practicable the site has been remedied and compensated with the use of native trees and shrubs, some endemic to the locality.

Particular attention has been paid to augment street tree planting and present a verdant property frontage to the Old Northern Road. Additionally, to provide dense screen planting along the side and rear boundaries to protect privacy to neighbouring properties.

## 2.1 Street Frontage

The majority of trees within the site are proposed for removal to accommodate this health services facility, but with replacement planting of native trees with understorey shrubs selected for their suitability to screen and to provide 'green corridors' along the side and rear boundaries for wildlife movement.

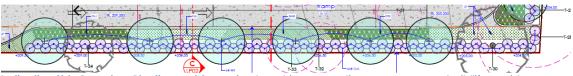
The large Sydney Red Gum (Angophora costata) within the nature strip to the front of the site has been retained and protected, and has been augmented with two additional large native street trees (Rough Barked Apple -Angophora floribunda) within the nature strip. Additionally, four medium sized trees (Watergum – Tristaniopsis laurina 'Lucious') with understorey low shrub/hedge planting immediately within the property frontage have been provided. The landscape presentation to the street and screening to the proposed health services facility will therefore be a substantial improvement on the existing bare open frontage.



Indicative profile of native trees and shrub planting onto the Old Northern Road frontage

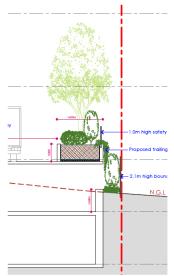
### 2.2 Indicative Side Boundary Planting

The northern and southern boundaries have been planted with rows of medium sized native trees which will grow to provide a continuous row of overlapping canopies. Understorey Lilly Pilly screen hedge shrubs and native ground cover plants are also specified. This tiered planting structure is to ensure visual separation and screening is provided to the neighbouring properties.



Indicative Side Boundary Planting and Screening to achieve a continuous canopy and wildlife corridor





## 2.3 Indicative Rear Boundary Planting

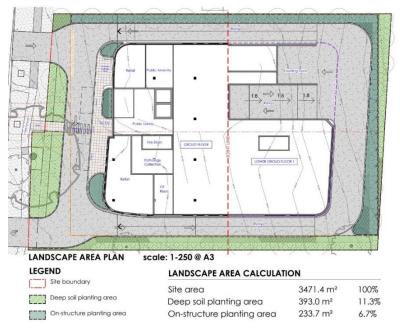
This comprises both 'at-grade' and 'on-structure' planting. The basement car parking is partially open to the rear eastern boundary and particular attention has been paid to ensure the lower elevation is screened to the neighbouring property. The upper 'on-structure' planting will support small and medium sized trees and understorey shrubs to help screen Levels 2 and 3 of the proposed Health Services Facility.

Indicative Rear Boundary Planting for tiered and elevational screening

#### 2.4 Indicative Deep Soil Planting & On-Structure Planting

The bulk of the planting to the southern and eastern boundaries will be in 'Deep Soil Planters'. These are shown in pale green in the 'Landscape Area Plan' below. Plants and drainage in these beds will be able to develop their root structures through to the sub-grade. Deep soil planters will be able to sustain larger tree species and will require less irrigation.

On-structure planting comprises site specific designed planters which will have sufficient depth to and volume of soil to sustain and nurture small to medium sized trees and understorey shrubs and ground covers, for screening to neighbours. They will be irrigated from harvested and recycled rain water and managed carefully to ensure that their collective bio-mass is the equivalent of neighbouring properties with low level and scattered landscape plantings.



Indicative Planting Areas – Deep Soil & On-Structure Planting



#### 2.5 Woodland Species

Growing conditions within the site of the proposed health care facility will not be fully compatible with the native STIF woodland species. The site is already heavily disturbed from its original STIF woodland status and rather than replicate this vegetative community, alternative native species have been selected, some of which have been selected from 'Sydney Sandstone Gully Forest' vegetative communities which are to be found in the nearby valleys. These woodland species, and cultivars of the same, will tolerate the part shaded conditions from the proposed building and richer soil conditions in the new planter beds. The plants selected include: -

Rough Barked Apple
NSW Christmas Bush
Ceratopetalum gummiferum
Blueberry Ash
Riberry
Syzygium luehmannii
Quandong Tree
Lucious Watergum
Weeping Lilly Pilly
Angophora floribunda
Ceratopetalum gummiferum
Syzygium luehmannii
Elaeocarpus eumundii
Tristaniopsis laurina 'Luscious'
Waterhousia floribunda

Old Man Banksia Banksia serrata

### 2.6 WSUD & Landscape Sustainability

'Water Sensitive Urban Design' and the proposed landscape design have been brought together in this project. The architecture, hydraulic engineering and landscape will integrate stormwater, groundwater and wastewater and management and designed for cleaning, and recycling to sustain the proposed planting and to minimise environmental impact within the site.

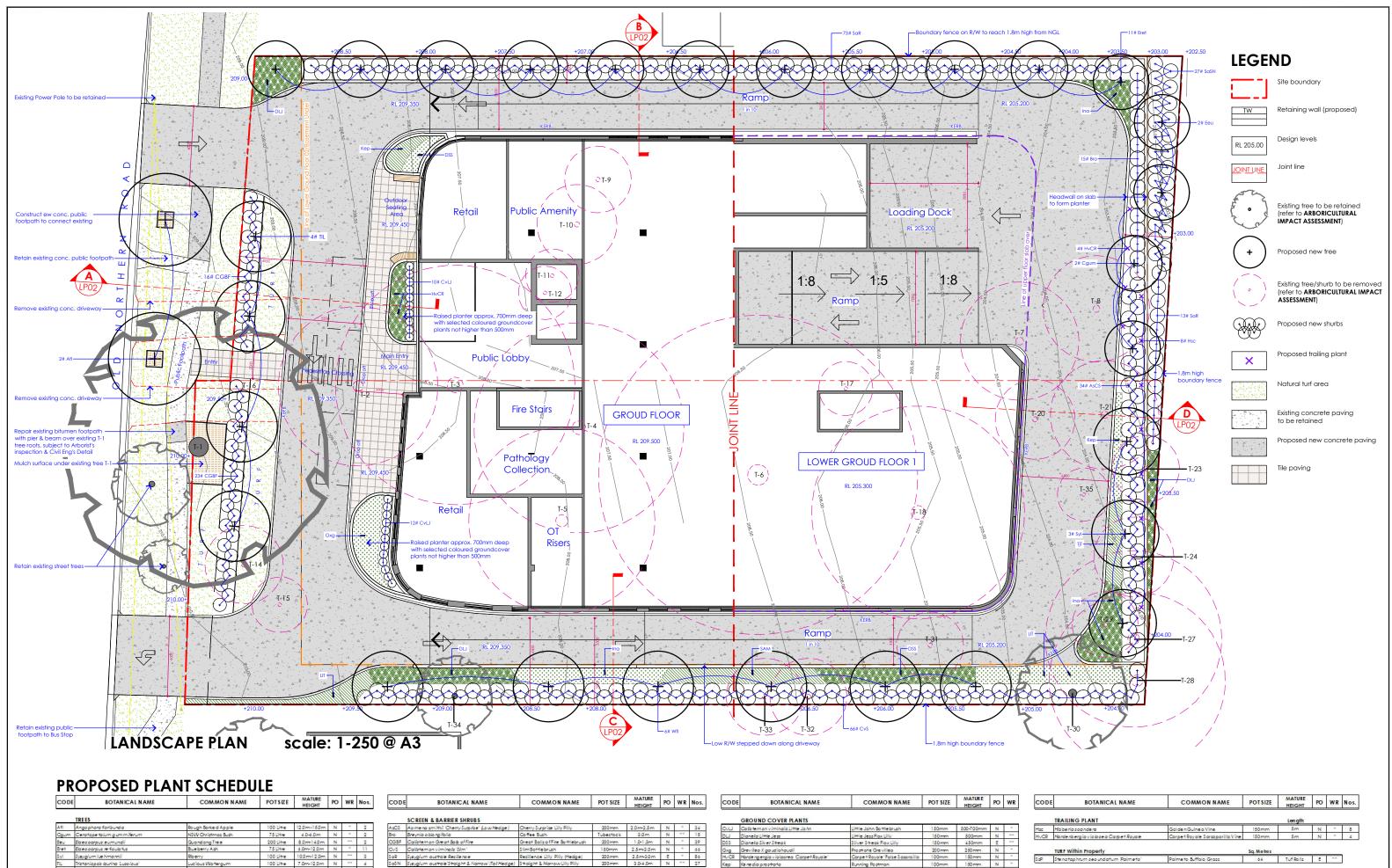
The overall outcomes will lead to excellence in water management and also utilise this water resource towards achieving an aesthetic and sustainable landscape for the site.

If you have any questions regarding the above, please do not hesitate to contact the undersigned on 0419 629 987.

Yours Faithfully,

Urban Designers
Landscape Architects
John Chetham & Associates

John Chetham MRTPI AAILA ASILA



CODE	BOTANICAL NAME	COMMON NAME	POTSIZE	HEIGHT	PO	WR	Nos.
	TREES		·				
Afl	Ango phora floribunda	Rough Barke d'Apple	100 Lite	12.0m-15.0m	N	-	2
Cgum	Ceratope talum gummiferum	NSW Christmas Bush	75 Litre	4.0-ó.0m	N		2
Eeu	Ela eo oarpus eumundii	Quandiang Tree	200 Litre	8.0m-14.0m	N	***	2
Eret	Ela eo oarpus re tíoula tus	Blue berry Ash	75 Litre	6.0m-12.0m	N		11
Syl	Syzygium lue hmannii	Riberry	100 Litre	10.0 m-12.0 m	N		3
TIL	Tristaniopsis laurina Lusoious'	Lucious Watergum	100 Litte	7.0m-12,0m	N	***	4
13.05	284 2 1 2 2 2 2 4	197 1 120 520	100.171	0.0 1.0	- 11	-	1

	GROUND COVER PLANTS					
O/LJ	Calls temon viminalis Little John	Little John Bottle brush	1.50mm	500-700mm	N	
DLJ	Dianela Little Jess	Little Jess Flax Lilly	150 mm	500mm	N	- 4
DSS	Dianella Silver Streak	Silver Streak Flax Lilly	150 mm	450mm	Е	**
Gxg	Grevillea X gaudiahaudii	Prostrate Gre villea	200 mm	250 mm	N	-
H/CR	Hardengergia violaorea 'Carpet Royale'	Carpet Royale False Sasara illa	100mm	150 mm	N	
Кер	Ke ne dia prostrata	Running Postman	100mm	150 mm	N	
LIT	Lom andra lo ngifolia Ta nika '	Tanika Matt Rush	Tube stock	600mm	N	
Ina	Indigatera australis	Australian Indigo	150 mm	1.0m-2.0m	N	**
SAM	Syzygium smithii 'Alyn Albgio'	Alyn Magic Lily Pilly	200mm	600mm	N	-
TjT	Trachelops perm um jas minoides Tricolor	Variegated Star Jasmin	150 mm	300mm	E	

CODE	BOTANICAL NAME	COMMON NAME	POTSIZE	HEIGHT	PO	WR	Nos.
	TRAILING PLANT			Len gth			
Hisc	Hib beria soanders	Golden Guine a Vine	150 mm	5m	N	-	8
HVCR	Hardenbergia violace a Carpet Royale	Carpet Royale Sarsaparilla Vine	150 mm	5m	N	-	4
	TURF Within Property		Sq. Melies				
-		Palme to Buffalo Grass	Sq. Meltes	Tuf Rolls	E		]
ρ	TURF Within Property Stenotophrum seoundatum Palmeto'  TURF on Nature Strip	Palme to Buffalo Grass		Tuf Rolls	E	**	]

SHEET TITLE:

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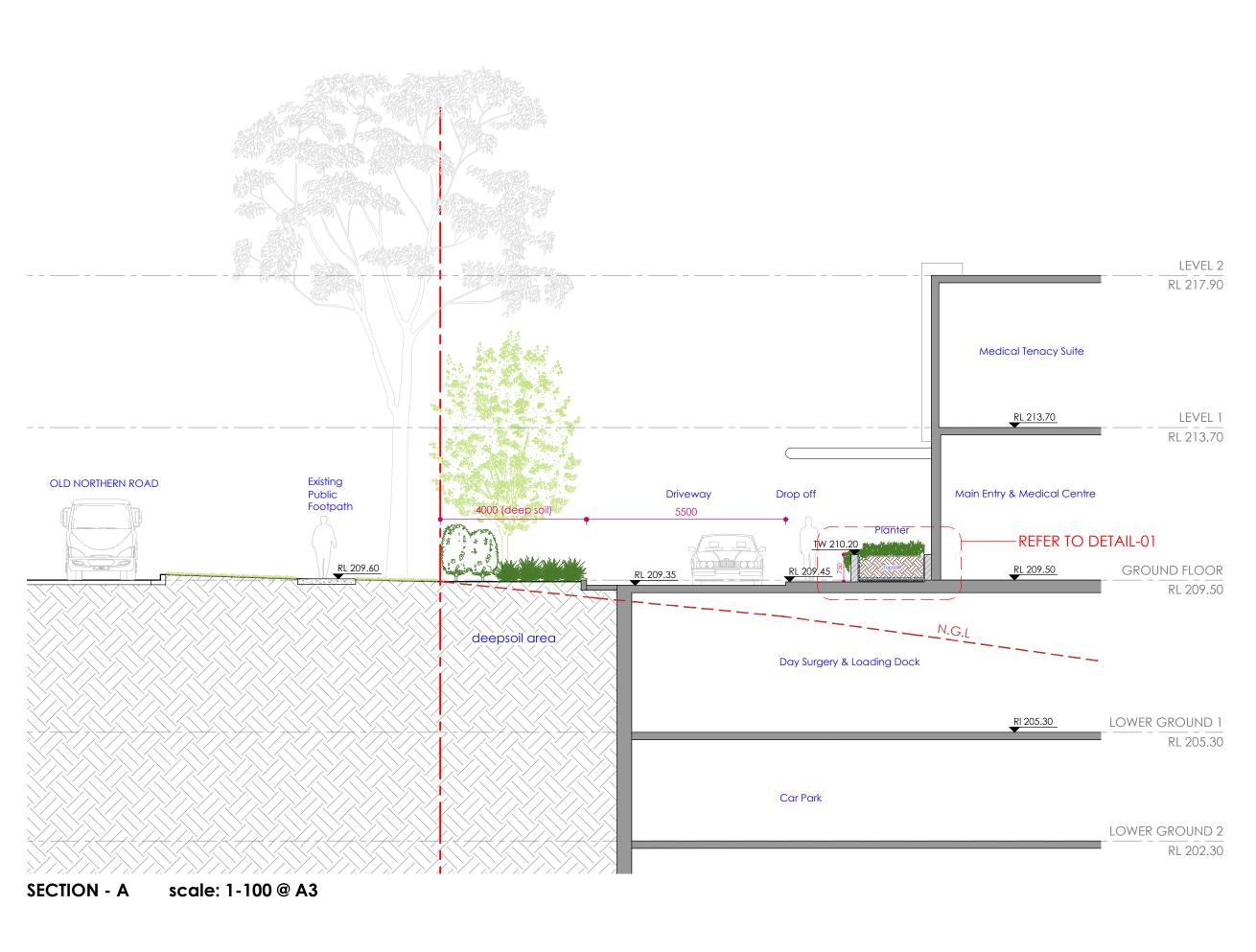
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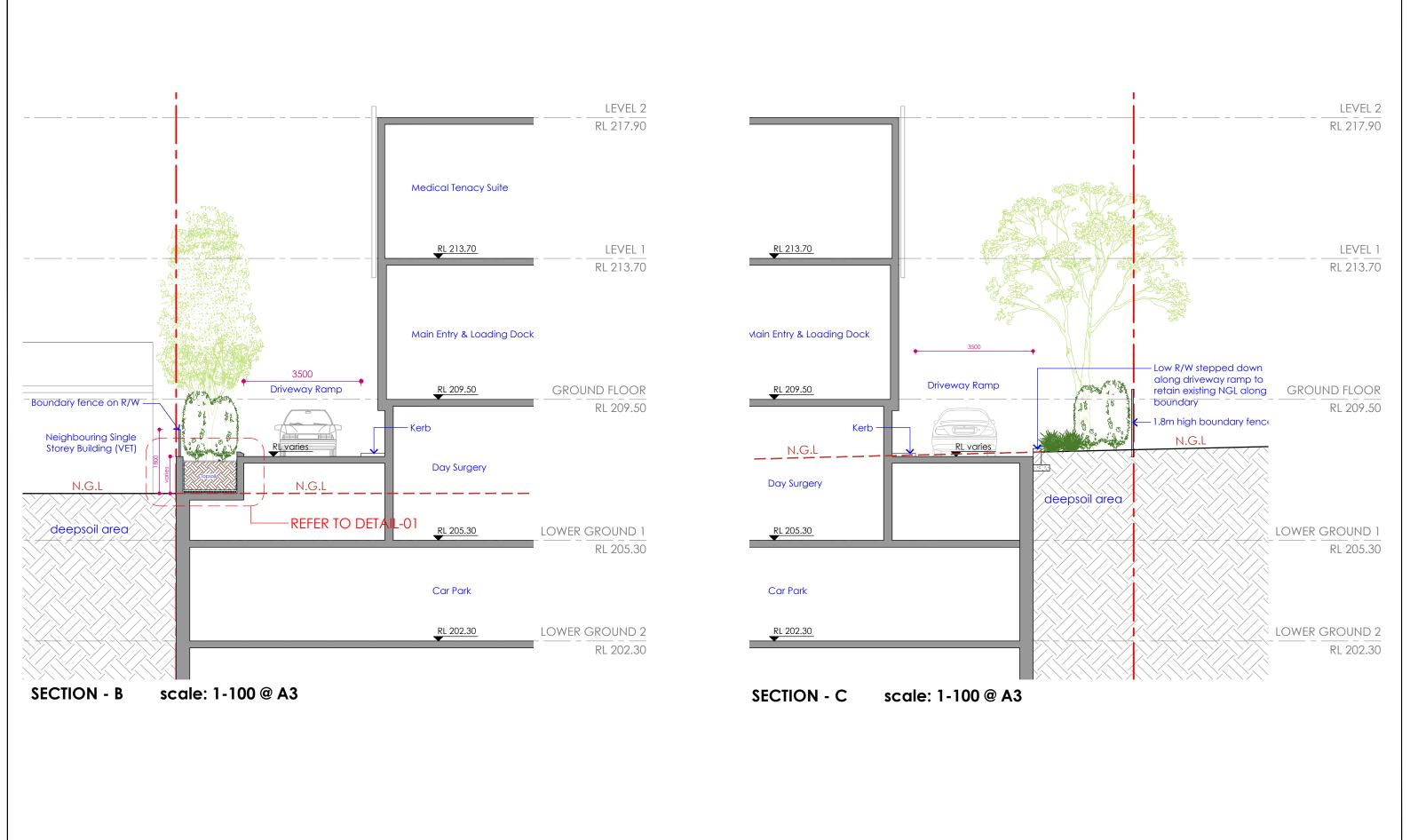
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G	Planning Proposal	22-12-2021	CLIENT:	lma
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D	Planning Proposal	22-11-2021		679
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Concept Landscape Plan 679ONR/LP Image Property Developments Pty Ltd SHEET NO. Dural Health Hub 679 & 685 Old Northern Road, Dural

Checked: 02-02-2022 Issue Date:



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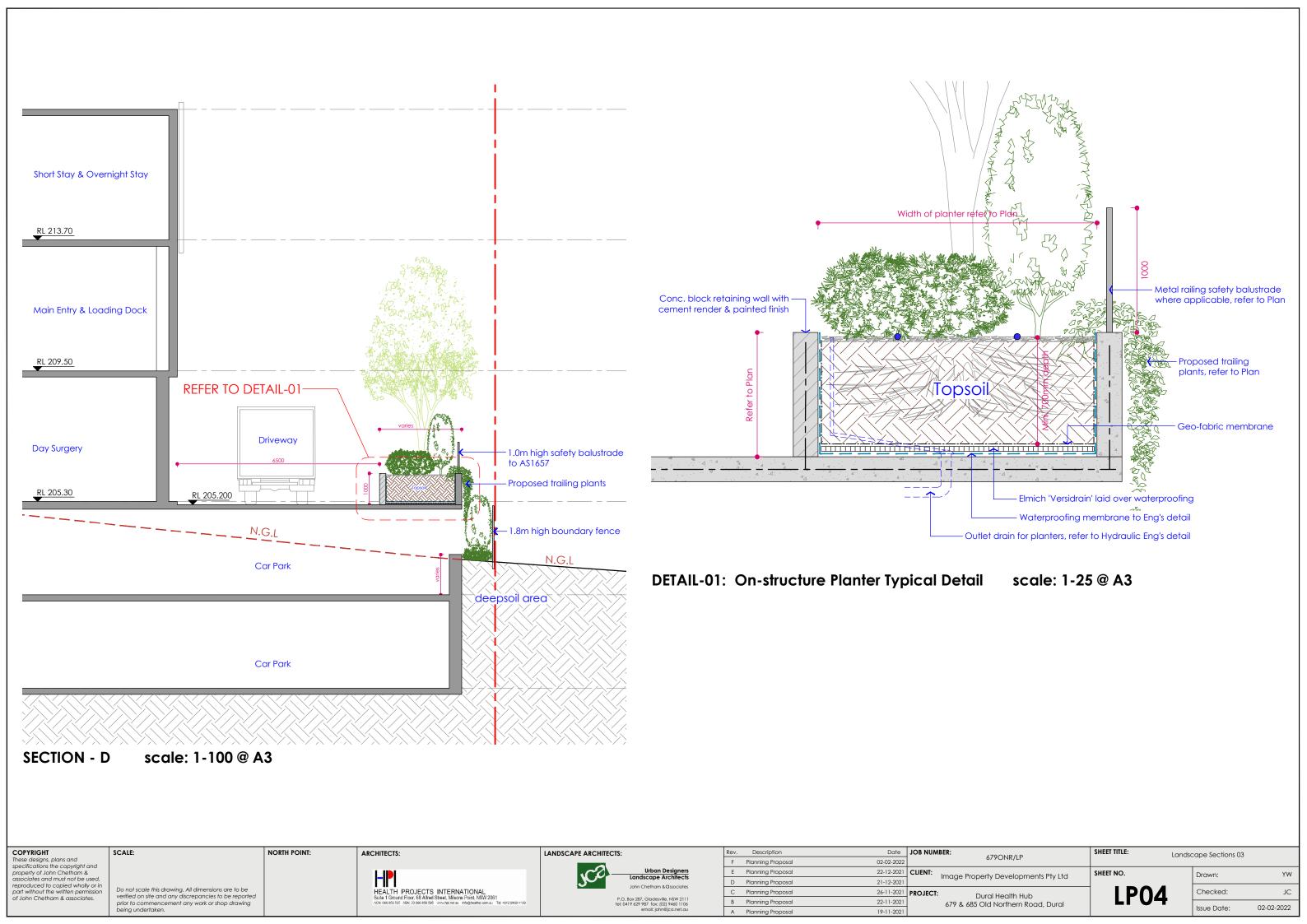
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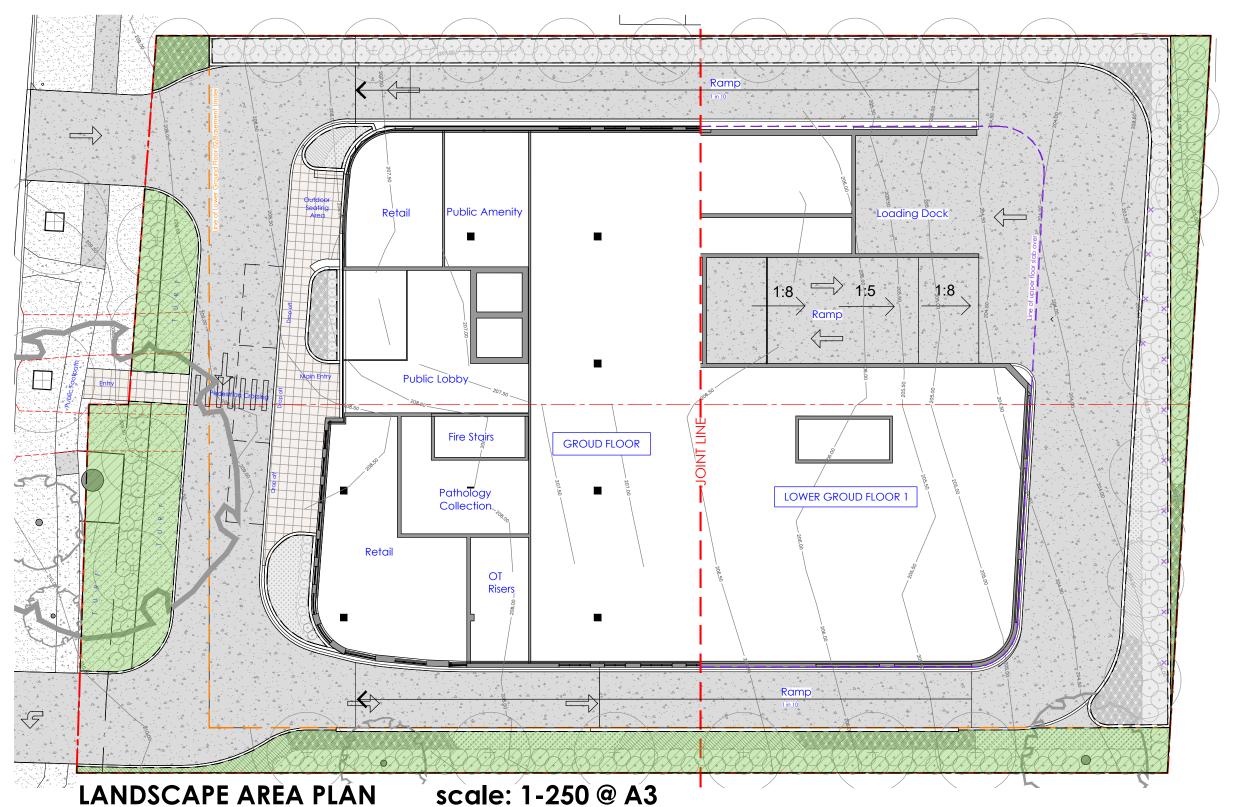
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## **LEGEND**



Site boundary



Deep soil planting area



On-structure planting area

# LANDSCAPE AREA CALCULATION

100% 3471.4 m<sup>2</sup> Site area Deep soil planting area 393.0 m<sup>2</sup> 11.3%

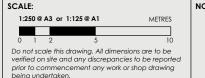
On-structure planting area

233.7 m<sup>2</sup>

6.7%

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28-01-2022	PROJECT:	Dural Health Hub
22-12-2021		679 & 685 Old Northern Road, Dural

Landscape Area Plan

# **TREES**



Rough Barked Apple - Angophora floribunda



NSW Christmas Bush -Ceratopetalum gummiferum

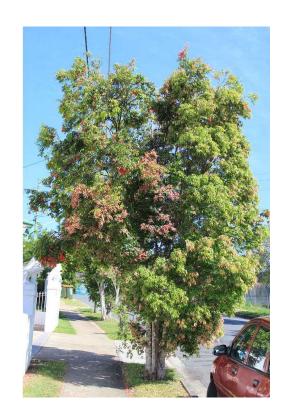


Quandong Tree - Elaeocarpus eumundii



NORTH POINT:

Blueberry Ash - Elaeocarpus reticulatus



Riberry - Syzygium luehmannii



Lucious Watergum - Tristaniopsis Iaurina 'Luscious'

ARCHITECTS:



LANDSCAPE ARCHITEC	CTS:
VCD)	Urban Designers Landscape Architects
5	John Chetham & associates
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Planting Palette 02-02-2022 Issue Date:

# **TREES**



Weeping Lilly Pilly - Waterhousia floribunda

# **SCREEN & BARRIER SHRUBS**





Cherry Surprise Lilly Pilly - Acmena smithii 'Cherry Surprise'



Coffee Bush - Breynia oblongifolia

SCALE:







Great Balls of Fire Bottlebrush - Callistemon Great Balls of Fire

NORTH POINT:

ARCHITECTS:



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			PROJECT:	Dural He
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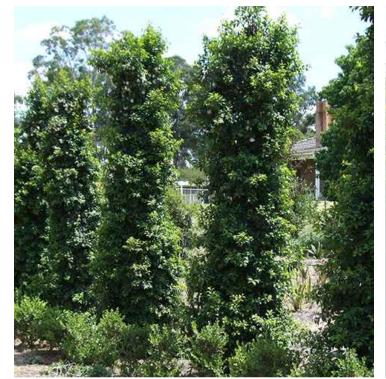
Planting Palette Developments Pty Ltd Health Hub Iorthern Road, Dural Issue Date:

02-02-2022

# **SCREEN & BARRIER SHRUBS**









Slim Bottlebrush - Callistemon viminalis 'Slim'

Straight & Narrow Lilly Pilly - Syzygium australe'Straight & Narrow'



Resilience Lilly Pilly - Syzygium australe Resilience

NORTH POINT:

ARCHITECTS:



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PROJECT:			
	02-02-2022	B Planning Propo	В

JOB NUM	BER: 679ONR/LP
CLIENT:	Image Property Developments Pty Ltd
PROJECT:	Dural Health Hub

# **GROUNDCOVERS**







Little John Bottlebrush - Callistemon viminalis 'Little John'

Little Jess Flax Lilly - Dianella Little Jess





Silver Streak Flax Lilly - Dianella Silver Streak





Prostrate Grevillea - Grevillea X gaudichaudii

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JOB NUMBER: 679ONR/LP

CLIENT: Image Property Developments Pty Ltd

PROJECT: Dural Health Hub
679 & 685 Old Northern Road, Dural

 SHEET TITLE:
 Planting Palette

 SHEET NO.
 Drawn:
 NK

 Checked:
 JC

 Issue Date:
 02-02-2022

# **GROUNDCOVERS**







Running Postman - Kenedia prostrata





ARCHITECTS:

Tanika Matt Rush - Lomandra longifolia 'Tanika'

NORTH POINT:



Australian Indigo - Indigofera australis



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# **GROUNDCOVERS**



Allyn Magic Lily Pilly - Syzygium smithii 'Allyn Magic'



Variegated Star Jasmin - Trachelopspermum jasminoides 'Tricolor'

# **TRAILING PLANT**



Golden Guinea Vine - Hibberia scandens



'Carpet Royale' False Sasarailla - Hardenbergia violacrea 'Carpet Royale'

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## Dural Health Hub - Plant Species Schedule

PO/ Plant Origin: N = Native; E = Exotic

CODE	BOTANICAL NAME	COMMON NAME	POT SIZE	MATURE HEIGHT	РО	WR	Nos.
	TREES						
Afl	Angophora floribunda	Rough Barked Apple	100 Litre	12.0m -15.0m	N	*	2
Cgum	Ceratopetalum gummiferum	NSW Christmas Bush	75 Litre	4.0-6.0m	Ν	*	2
Eeu	Elaeocarpus eumundii	Quandong Tree	200 Litre	8.0m-14.0m	Ν	**	2
Eret	Elaeocarpus reticulatus	Blueberry Ash	75 Litre	6.0m-12.0m	Ν	*	11
Syl	Syzygium luehmannii	Riberry	100 Litre	10.0m-12.0m	Ν	**	3
TIL	Tristaniopsis laurina 'Luscious'	Lucious Watergum	100 Litre	7.0m-12,0m	Ν	**	4
Wfl	Waterhousia floribunda	Weeping Lilly Pilly	100 Litre	8.0m-14.0m	Ν	*	6
	SCREEN & BARRIER SHRUBS						
AsCS	Acmena smithii 'Cherry Surprise' (Low Hedge)	Cherry Surprise Lilly Pilly	200mm	2.0m-2.5m	Ν	*	34
Bro	Breynia oblongifolia	Coffee Bush	Tubestock	3.0m	Ν	**	15
CGBF	Callistemon Great Balls of Fire	Great Balls of Fire Bottlebrush	200mm	1.0-1.3m	Ν	*	39
CvS	Callistemon viminalis 'Slim'	Slim Bottlebrush	150mm	2.5m-3.0m	Ν	*	66
SaR	Syzygium australe Resilience	Resilience Lilly Pilly (Hedge)	200mm	2.5m-3.0m	Е	*	86
SaSN	Syzygium australe'Straight & Narrow' (Tall Hedge)	Straight & Narrow Lilly Pilly	200mm	3.0-4.0m	N	**	27
	GROUND COVER PLANTS						<b>-</b>
CvLJ	Callistemon viminalis Little John	Little John Bottlebrush	150mm	500-700mm	N	*	
DLJ	Dianella Little Jess	Little Jess Flax Lilly	150mm	500mm	N	**	
DSS	Dianella Silver Streak	Silver Streak Flax Lilly	150mm	450mm	Е	**	
Gxg	Grevillea X gaudichaudii	Prostrate Grevillea	200mm	250mm	N	*	
HvCR	Hardengergia violacrea 'Carpet Royale'	Carpet Royale' False Sasarailla	100mm	150mm	N	*	
Кер	Kenedia prostrata	Running Postman	100mm	150mm	N	*	
LIT	Lomandra longifolia 'Tanika'	Tanika Matt Rush	Tubestock	600mm	N	*	
Ina	Indigofera australis	Australian Indigo	150mm	1.0m-2.0m	N	**	
SAM	Syzygium smithii 'Alyn Magic'	Alyn Magic Lily Pilly	200mm	600mm	N	*	
TjT	Trachelopspermum jasminoides Tricolor	Variegated Star Jasmin	150mm	300mm	Е	**	ļ
	TRAILING PLANT			Length			
Hsc	Hibberia scandens	Golden Guinea Vine	150mm	5m	N	*	8
HvCR	Hardenbergia violacea Carpet Royale	Carpet Royale Sarsaparilla Vine	150mm	5m	Ν	*	4
	TURF Within Property		Sq. Metres				
SsP	Stenotaphrum secundatum 'Palmeto'	Palmeto Buffalo Grass	64	Tuf Rolls	Е	**	1
	TURF on Nature Strip	•	•	•			4
PcE	Pennisetum clandestinum 'Eureka' (Nature Strip)	Eureka Kikuyu	180	Turf Rolls	E	*	1
. 02	p					<u> </u>	J
NOTE							
WR *	Sydney Water Drop Ratings						
		1					