YarraBend, Alphington Town Planning Report 60 Chandler Highway, Alphington

16 July 2020 Rev. D



ELENBERG FRASER



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Contents

1. Introduction	04
1.1. Introduction & Site Plan	05
1.2. Site Context	06
1.3. Project Context	07
1.4. Landscape Narrative	08
1.5. Landscape Inspiration	09
2. Paper Trail	10
2.1. Paper Trail - Design Character	11
2.2. Paper Trail - Concept Plan & Key Features	12
2.3. Paper Trail - Sectional Elevations	14
2.4. Paper Trail - Sectional Elevations	15
2.5. Paper Trail - Elevation	16
2.6. Paper Trail Ramp (Link to Chandler Highway & Health & Wellness Centre - Indicative View	17
2.7. Paper Trail from Outdoor Pool Below (Indicative View)	18
2.8. Paper Trail - Key Levels Plan	19
2.9. Paper Trail - Materials & Furniture	21
2.10. Paper Trail - Planting Palette	22
2.11. Paper Trail - Planting Plan	23
2.12. Paper Trail - Planting Schedule	25

3. Chandler Highway

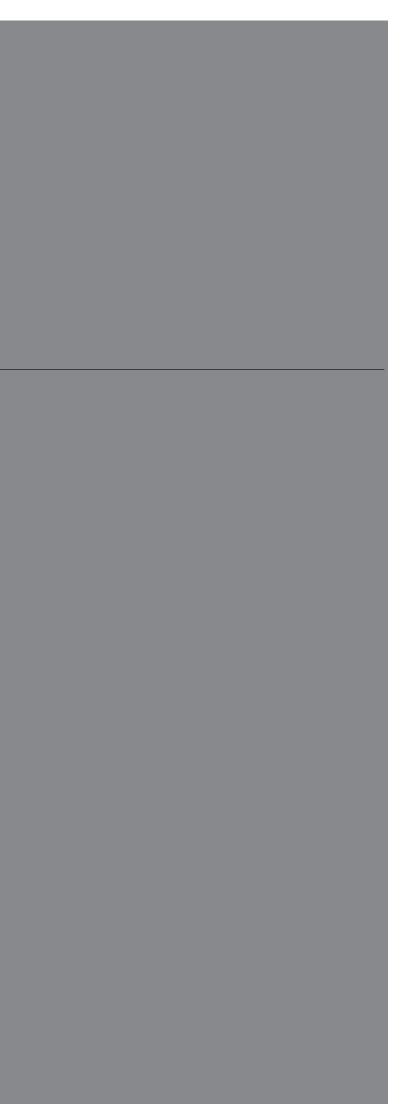
3.1. Chandler Highway - Concept Plan & Key Features 3.2. Chandler Highway - Sections
3.3. Chandler Highway - Planting Palette & Schedule
4. Health & Wellness Centre
4.1. Health & Wellness Centre - Sectional Elevations
4.2. Health & Wellness Onsen - Indicative View
4.3. Health & Wellness Centre - Key Levels Plan
4.4. Health & Wellness Centre - Materials & Furniture
4.5. Health & Wellness Centre - Planting Palette
4.6. Health & Wellness Centre - Planting Schedule
5. Upper Level Balcony Planters

5.1. Upper Level Balcony Planters - Typical Concept Plan & Section

5.2. Upper Level Balcony Planters - Typical Planting Palette & Schedule

26
27
28
29
30
31
32
33
34
35
36
37
38
39

1. Introduction



1.1. Introduction & Site Plan

This document has been prepared on behalf of Glenvill as part of the full Town Planning Application for 'The Paper Trail', 'Health & Wellness Centre' and the 'Outer Circle Precinct'. These projects form part of the wider YarraBend development.

The landscape proposals create a series of external spaces that support the residential and leisure uses of the proposed development while allowing for both pedestrian and cycle movement through the sites. These spaces will compliment the surrounding developments and open spaces within the wider YarraBend development.

Landscape proposals include:

- Publicly accessible Paper Trail elevated walkway
- Chandler Highway boundary planters
- Health & Wellness Forecourt Entry and Onsen
 Outdoor Spa Zone
- Level 04 perimeter planters

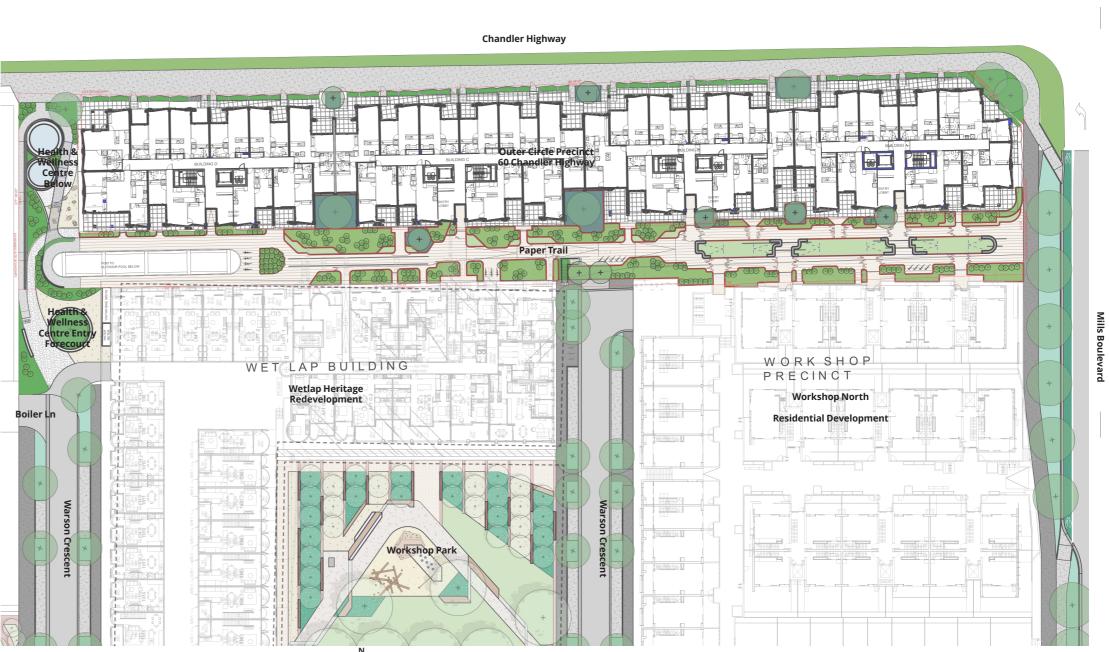
This document covers the landscape design aspect of the proposed development across all levels. It explains the existing site context and details the Concept Design proposals using plans, sections and diagrams as well as setting out the proposed planting and material palettes for the external landscape spaces.

Key strategic and design documents have been referenced through the design process, including;

• Alphington paper Mill Development Plan (2016)

01 - The Plan

- 02 Planning Report
- 03 Site Master Plan
- 04 Landscape Concept Plan
- 05 Design Guidelines
- Appendix A Heritage Citations
- Conservation Management Plan, Former Amcor



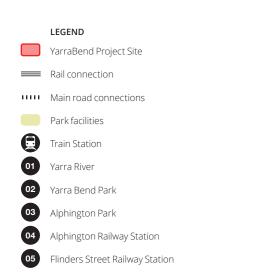
60 Chandler Highway, Alphington Site Plan (not to scale) $\bigcap_{n=1}^{N}$

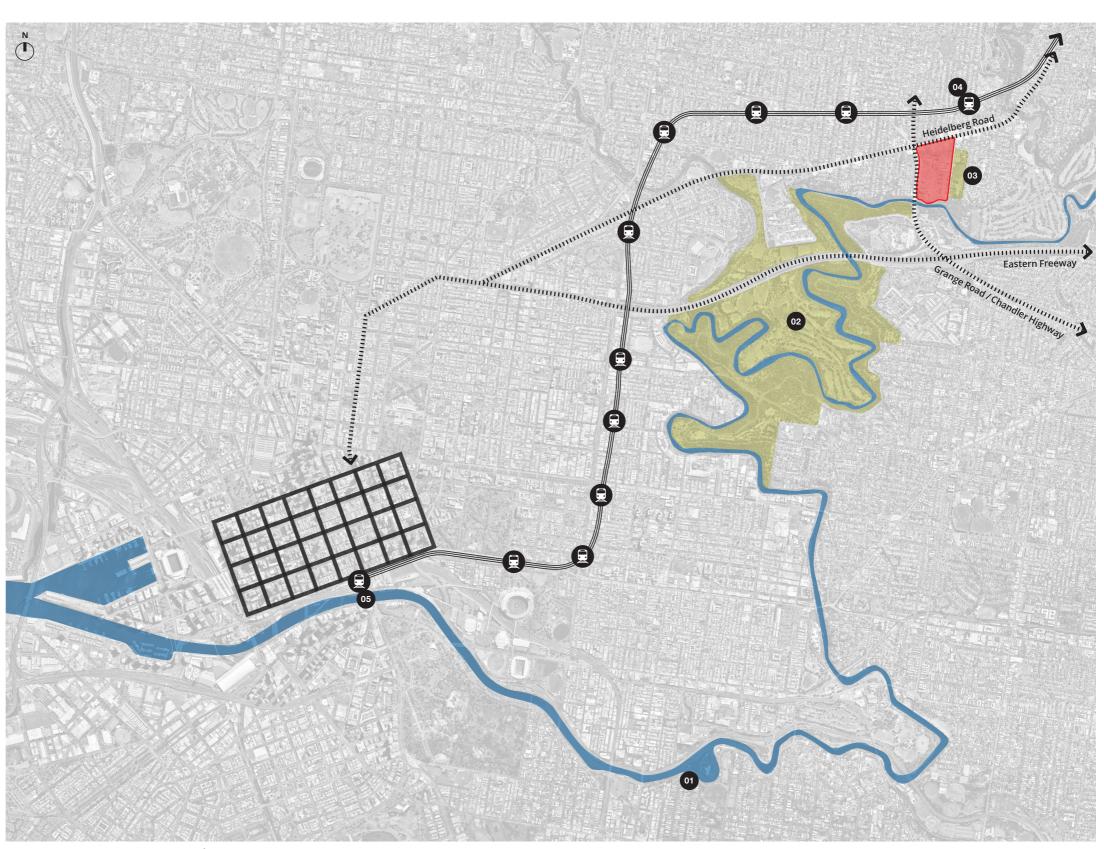
1.2. Site Context

The overall YarraBend project site is located in the suburb of Alphington in the City of Yarra approximately 6.5km north-east of Melbourne's Central Business District.

The site is immediately north of the Yarra River, which provides good pedestrian and cycle access to the Yarra trail and Yarra Bend Park. Alphington Park is to the east of the project site, which includes large open recreation space and sport facilities.

The project site has good transport links with Heidelberg Road running east-west to the north, Chandler Highway / Grange Road running north-south to the west and is within close proximity to the Eastern Freeway. Alphington Railway Station is a short walk and less than 500m from the project site allowing direct rail access to Flinders Street Station





Site Context Diagram (not to scale)

1.3. Project Context

The overall YarraBend development consists of multiple residential and mixed-use plots throughout the site. The landscape proposals within this report relate to the following development sites only;

- The Paper Trail 09
- Health & Wellness Centre 10 •
- Outer Circle Precinct

These projects are located to the west of the development site adjacent to Chandler Highway and consist of both private and publicly accessible open space.

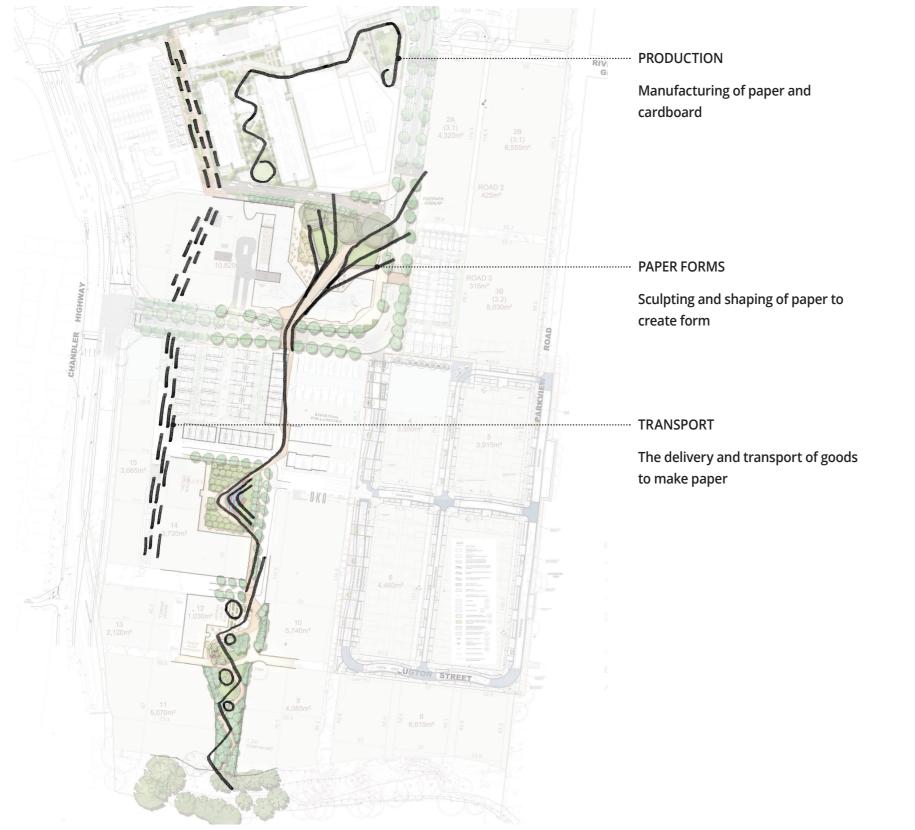




YarraBend Development Plan - Streets & Public Open Space

YarraBend - 60 Chandler Highway, Alphington - Town Planning Report 07

1.4. Landscape Narrative



Landscape Narrative Diagram (not to scale)

1.5. Landscape Inspiration

Manufacture / Process



Product / Paper



Design Process / Form



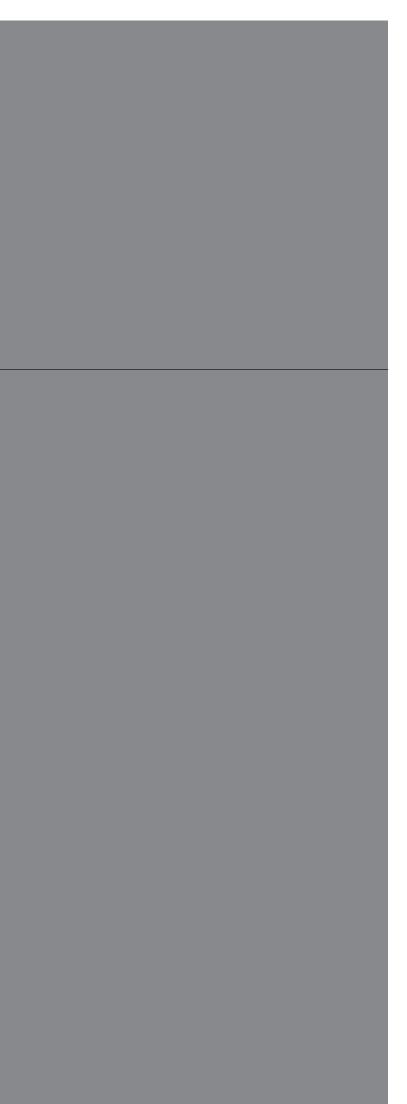








2. Paper Trail



2.1. Paper Trail - Design Character

The landscape proposal for the Paper Trail provides an elevated pedestrian walkway to the Outer Circle Precinct Apartments. While the site is to be privately owned and maintained, it will remain publicly accessible at all times. The walkway provides a direct link from the precinct to the Chandler Highway shared use path to the north of the development.

The Paper Trail interfaces with Outer Circle precinct apartments to the West, and The Mills and Wetlap to the East. Lobby entrances to the building are provided along the Paper Trail. The inclusion of multiple private entrances from the Paper Trail allows for passive surveillance of the site.

A 2.5m wide pedestrian walkway references the sites former railway sidings, serving as a predominantly linear path broken up by path movements and round corten planters to lobby entrances. Paper making and production is referenced throughout the design through the use of circular geometries. Key sightlines along the path are maintained to ensure a clear line of sight for pedestrians, with a staircase entry/exit point located halfway along the walkway.

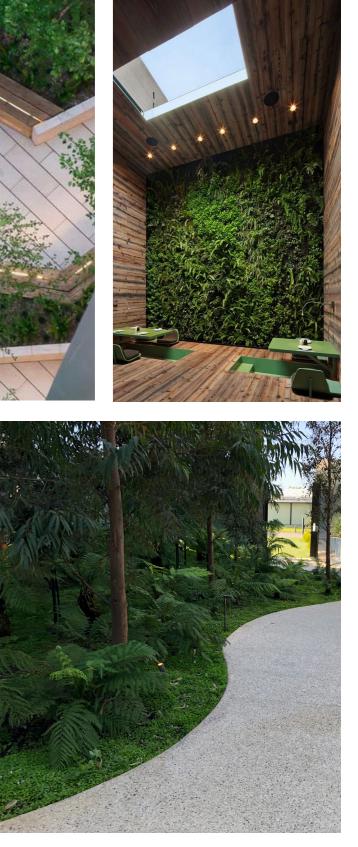
The use of heritage themed materials along the walkway, such as feature brick inlays along the pedestrian path, and corten steel planters is offset by high quality stone paving to residential entrances. This differentiation of materials provides some distinction between the private buildings and publicly accessible walkway. Seating opportunities are provided along the length of the walkway, and 12 bicycle hoops provide visitors with ample opportunity for bicycle parking.

Raised corten steel planters of varying heights allow for dense screening bamboo planting in clusters to provide privacy for residences, with lush, green understorey planting to give the space an inviting and green backdrop to residences. Small feature trees to round corten feature planters at lobby entries provides shade and colour, while larger species are accommodated in the breaks between buildings.



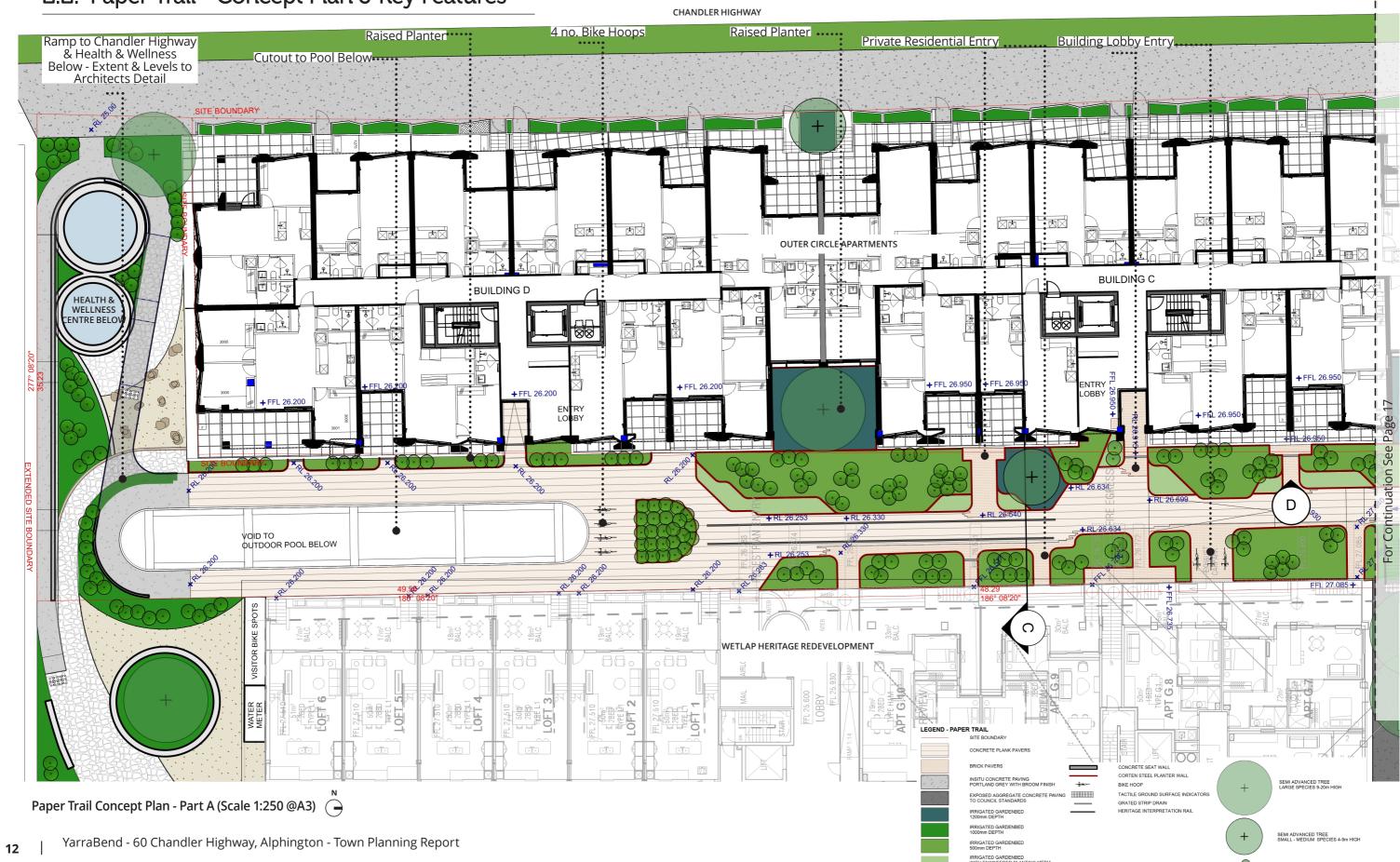


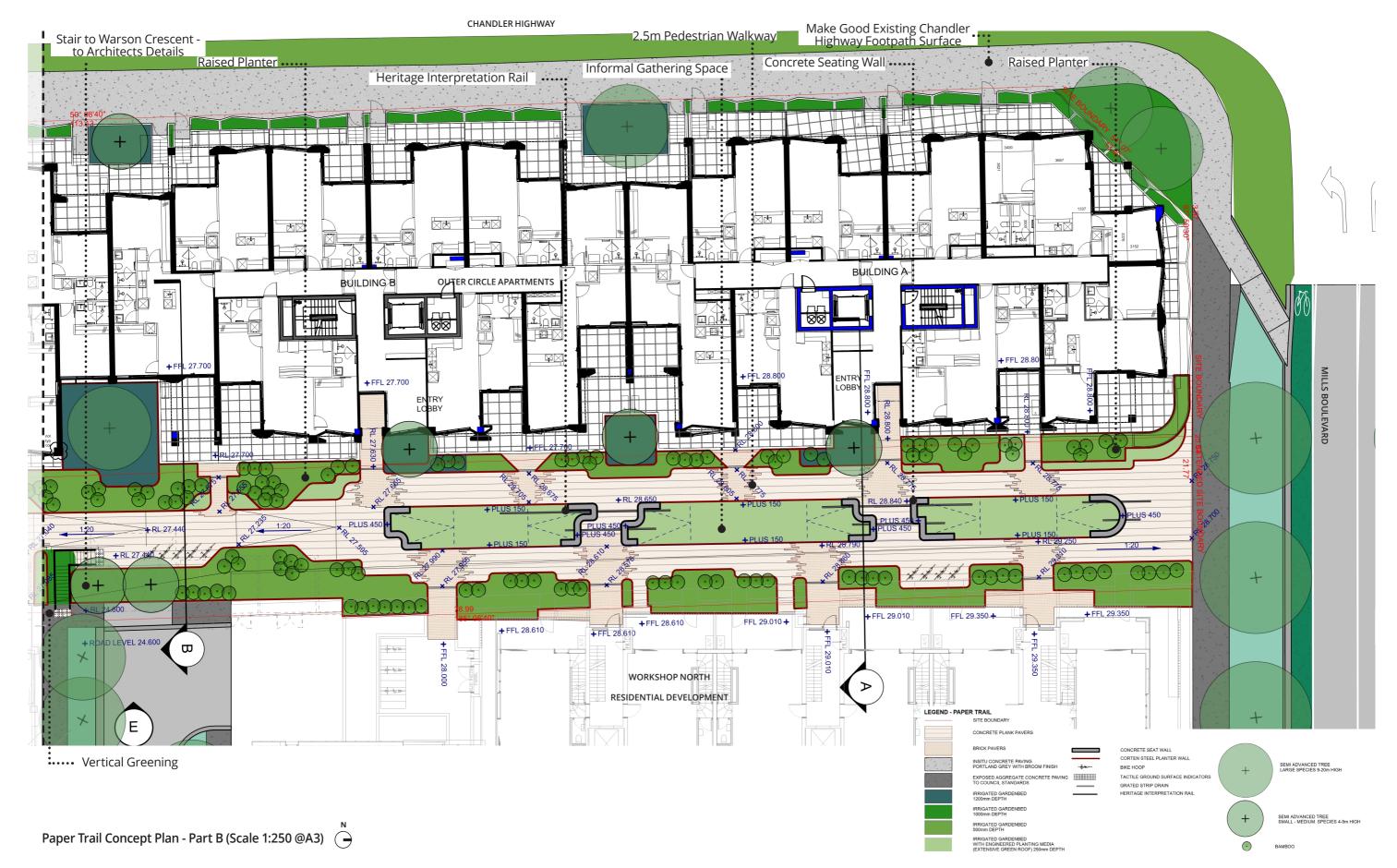




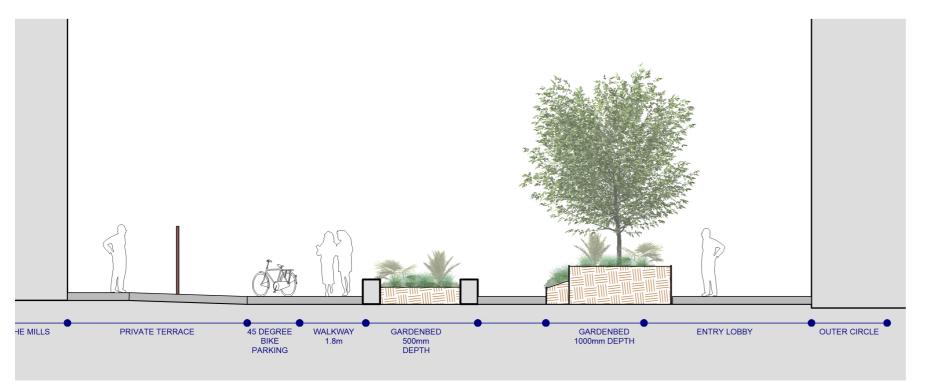
YarraBend - 60 Chandler Highway, Alphington - Town Planning Report 11

2.2. Paper Trail - Concept Plan & Key Features

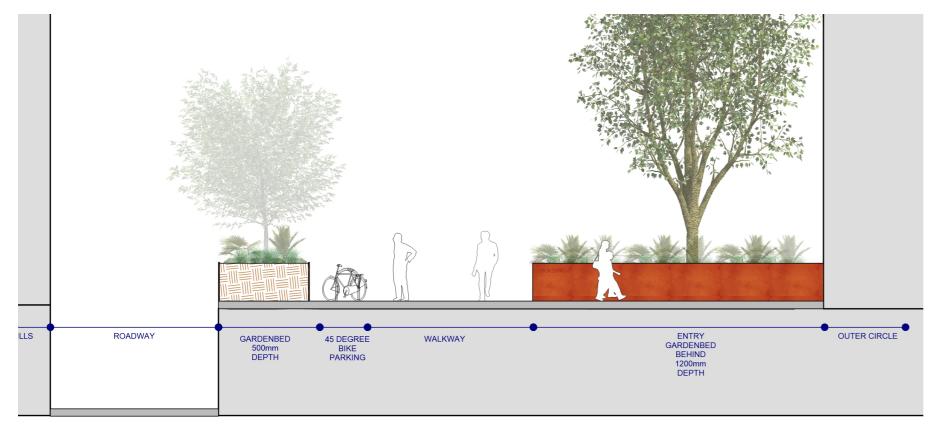




2.3. Paper Trail - Sectional Elevations

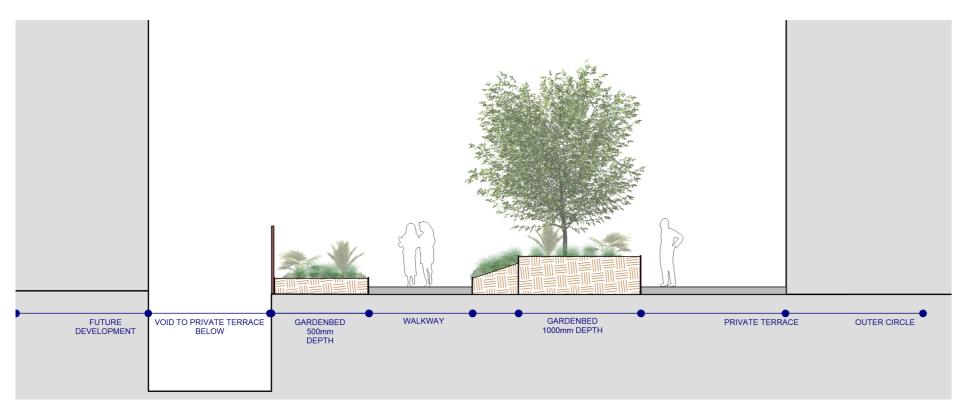


Sectional Elevation A - Paper Trail Typical Walkway (Scale 1:100 @A3)

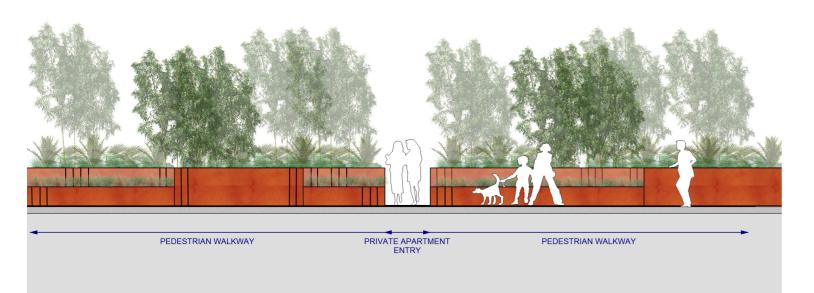


Sectional Elevation B - Paper Trail Typical Walkway (Scale 1:100 @A3)

14

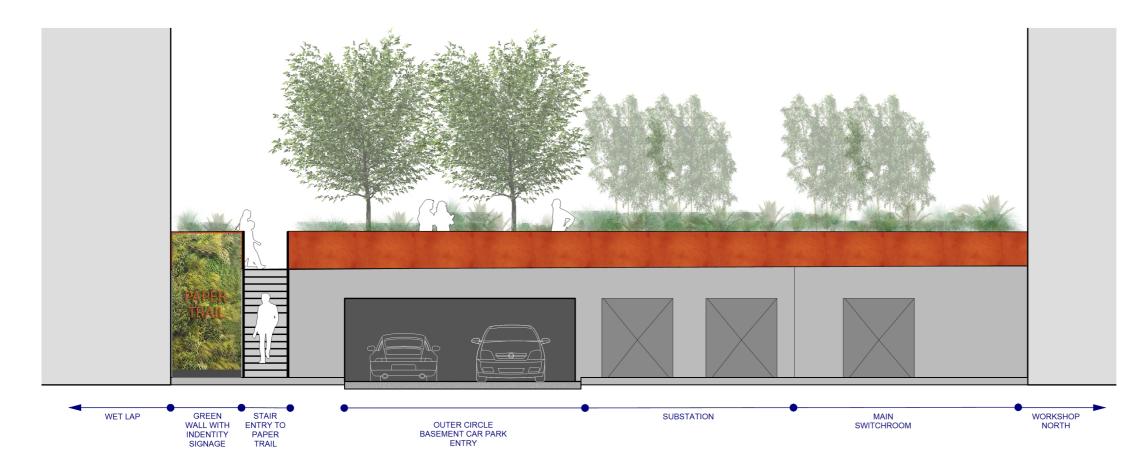


Sectional Elevation C - Paper Trail Typical Walkway (Scale 1:100 @A3)

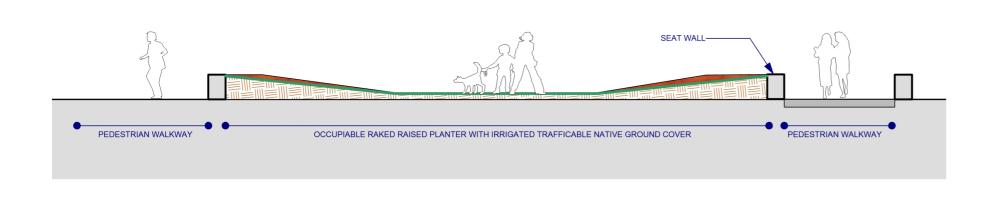


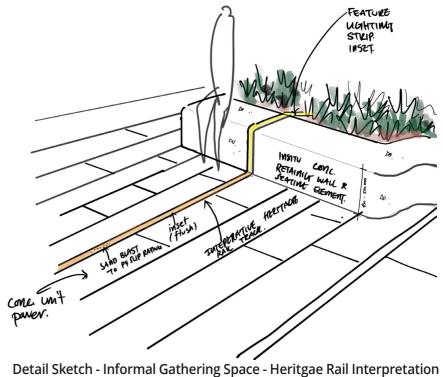
Elevation D - Paper Trail Private Entrance (Scale 1:100 @A3)

YarraBend - 60 Chandler Highway, Alphington - Town Planning Report 15



Elevation E - Paper Trail Stair Access (Scale 1:100 @A3)





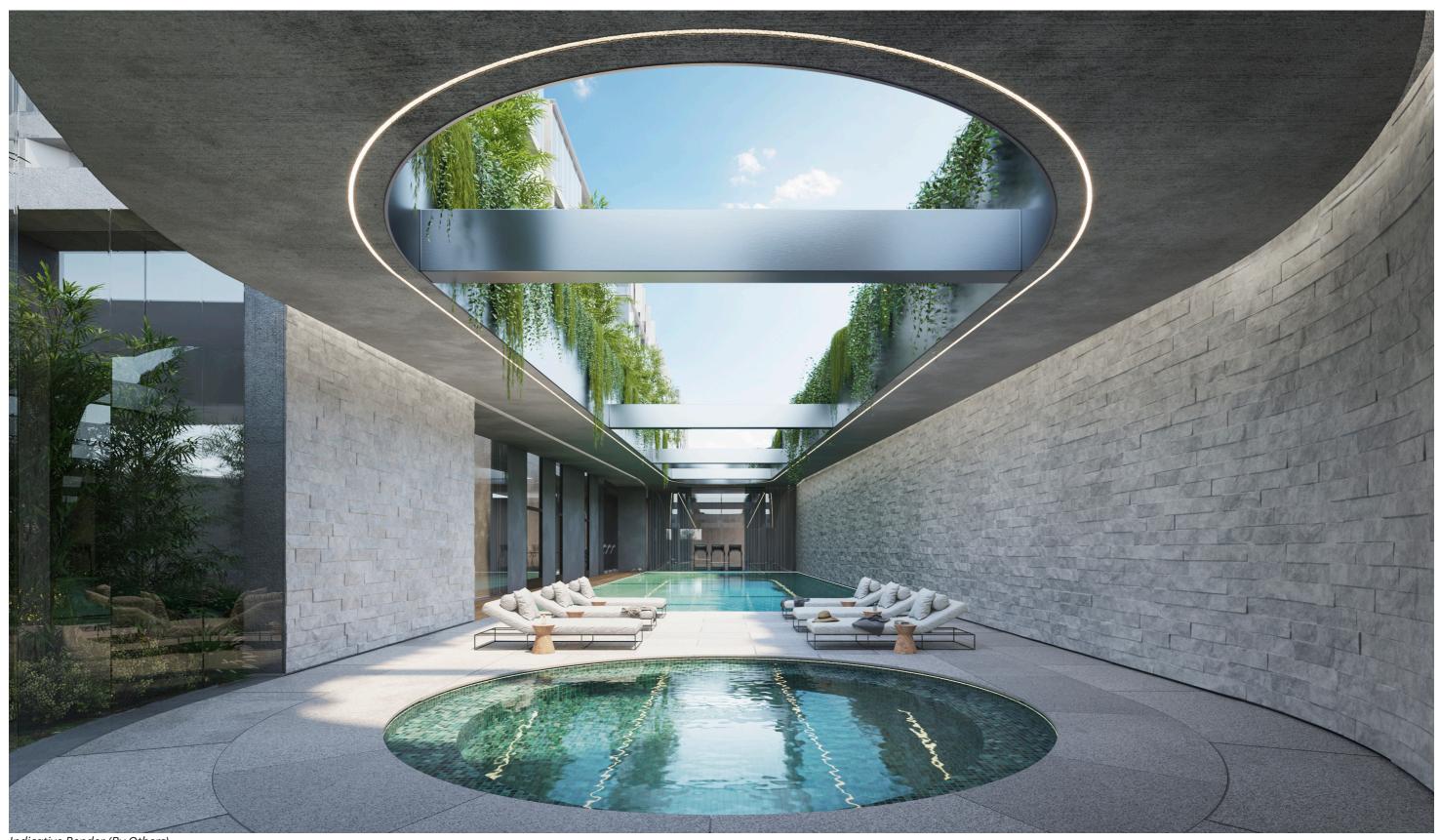
2.6. Paper Trail Ramp (Link to Chandler Highway & Health & Wellness Centre - Indicative View



Indicative Render (By Others)

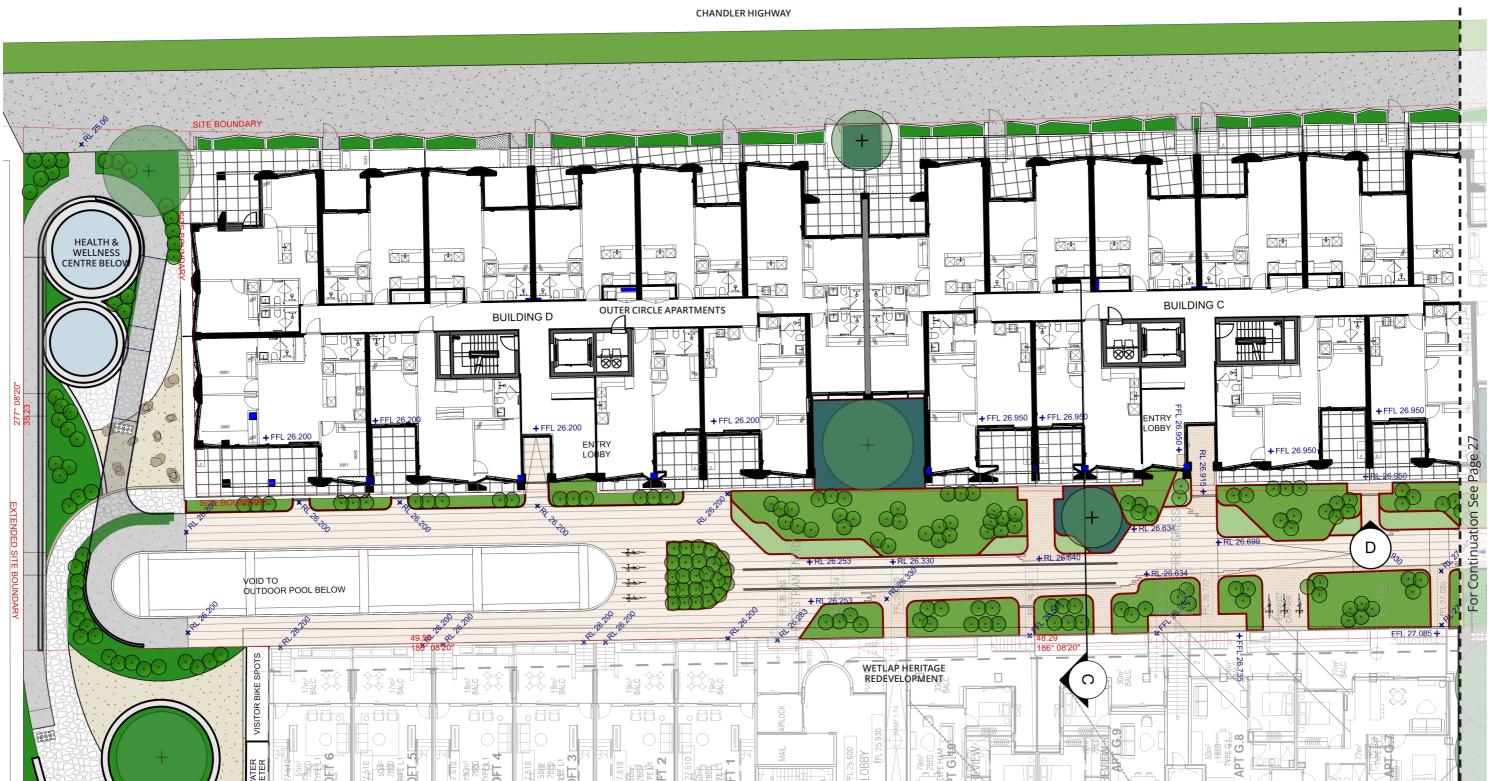
YarraBend - 60 Chandler Highway, Alphington - Town Planning Report | 17

2.7. Paper Trail from Outdoor Pool Below (Indicative View)



Indicative Render (By Others) YarraBend - 60 Chandler Highway, Alphington - Town Planning Report

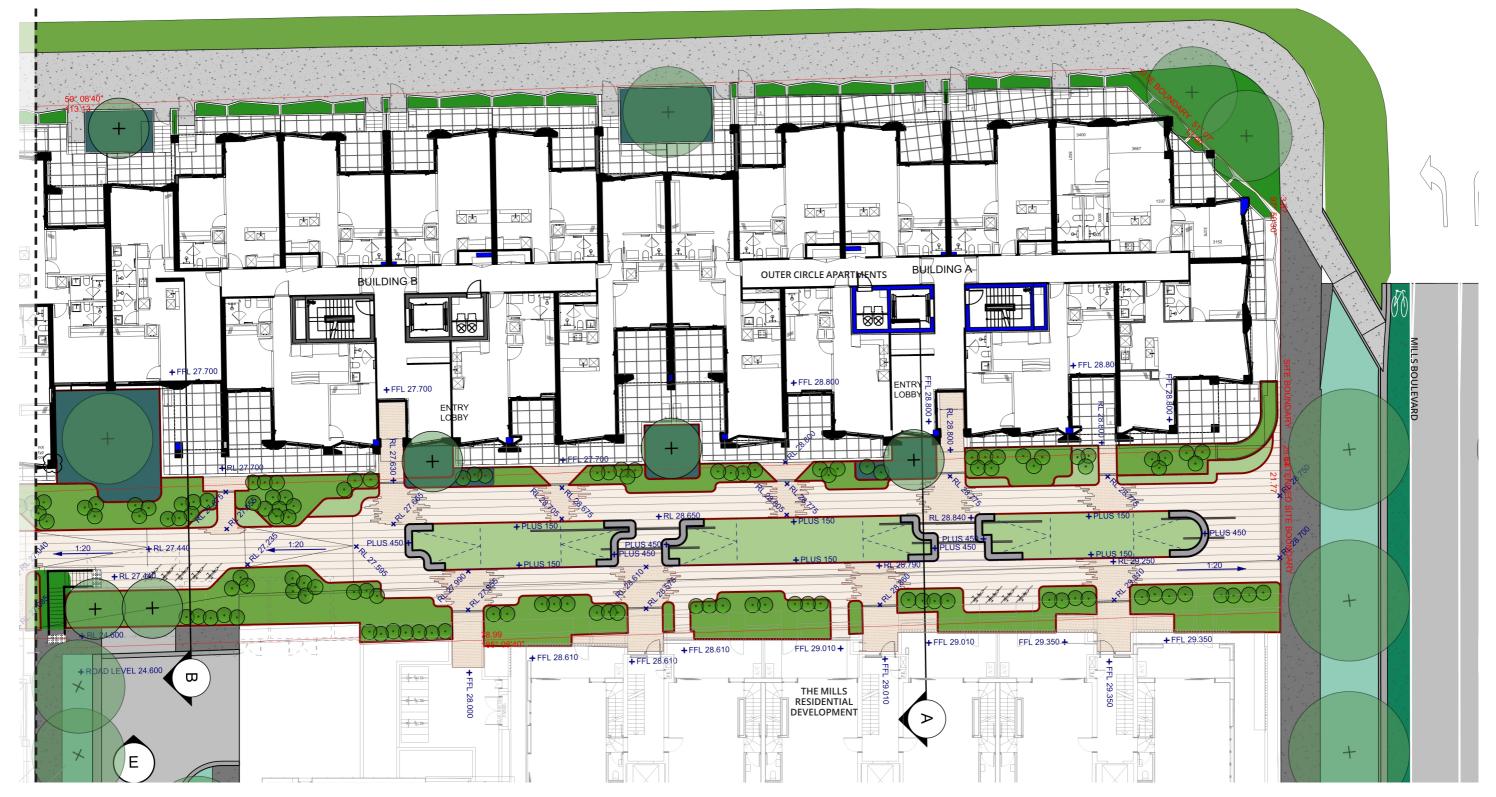
2.8. Paper Trail - Key Levels Plan



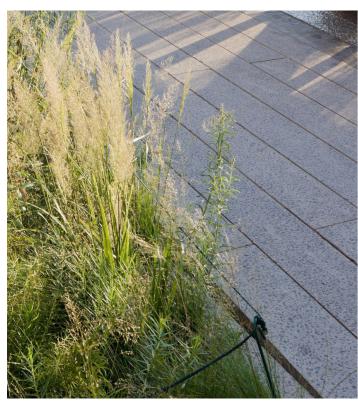
Paper Trail Key Levels Plan (Scale 1:250 @A3) NOTE: All public realm treatment outside the project site for illustrative purposes only.

YarraBend - 60 Chandler Highway, Alphington - Town Planning Report 19

CHANDLER HIGHWAY



2.9. Paper Trail - Materials & Furniture



Linear concrete paving to pedestrian walkway



Stone pavers to residential lobby entrances



Large format stone pavers to private residential entrances Corten gardenbed walls



Feature heritage interpretation brick inlay



Integrated timber seating



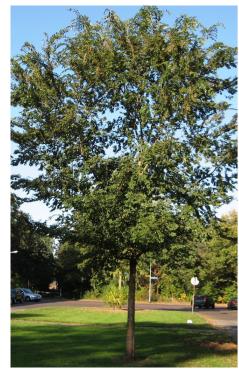
Entry feature & wayfinding





Green wall to Health & Wellness Centre void above pool

2.10. Paper Trail - Planting Palette



Ulmas Pavifolia Chinese Elm



Waterhousea floribunda Lilly Pilly



Bambusa lako Timor Black Bamboo



Himalayacalamus porcatus Nepalese Blue Bamboo



Acacia cognata 'Green Mist' River Wattle



Dianella cerulea Dianella



Dichondra argentea Silver Falls



Dicksonia antarctica Soft Tree Fern

Creeping Boobialla



Doodia aspera Prickly Rasp Fern



Pennisetum alopecuroides Pennstripe



Doryanthes palmeri Giant Spear Lily



Plectranthus argentatus Silver Plectranthus



Helichrysum italicum **Curry Plant**



Lomandra hystrix Green-Mat Rush



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Centaurea cinarea Dusty Miller



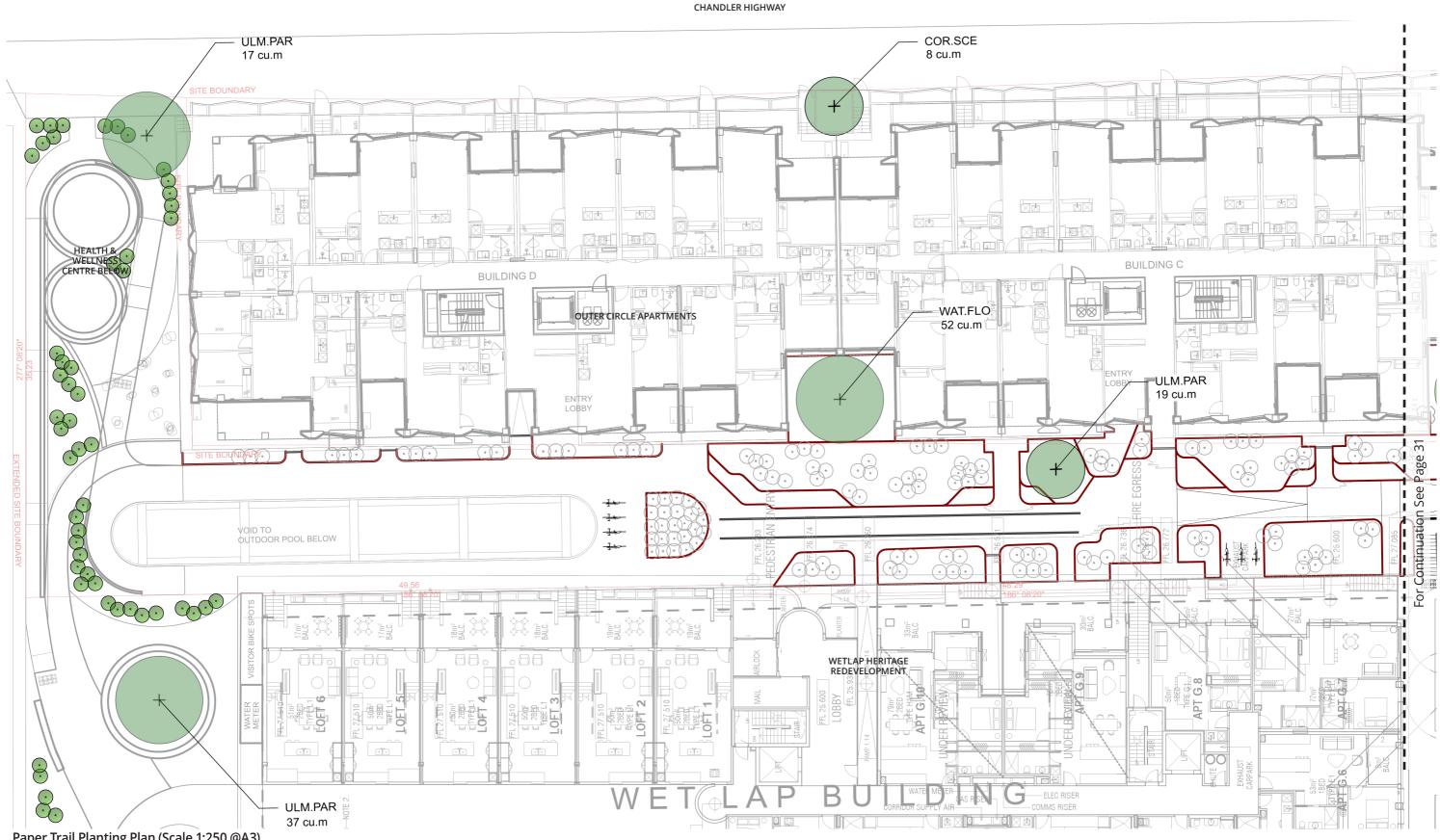
Fatsia japonica **Glossy-leaf Paper Plant**





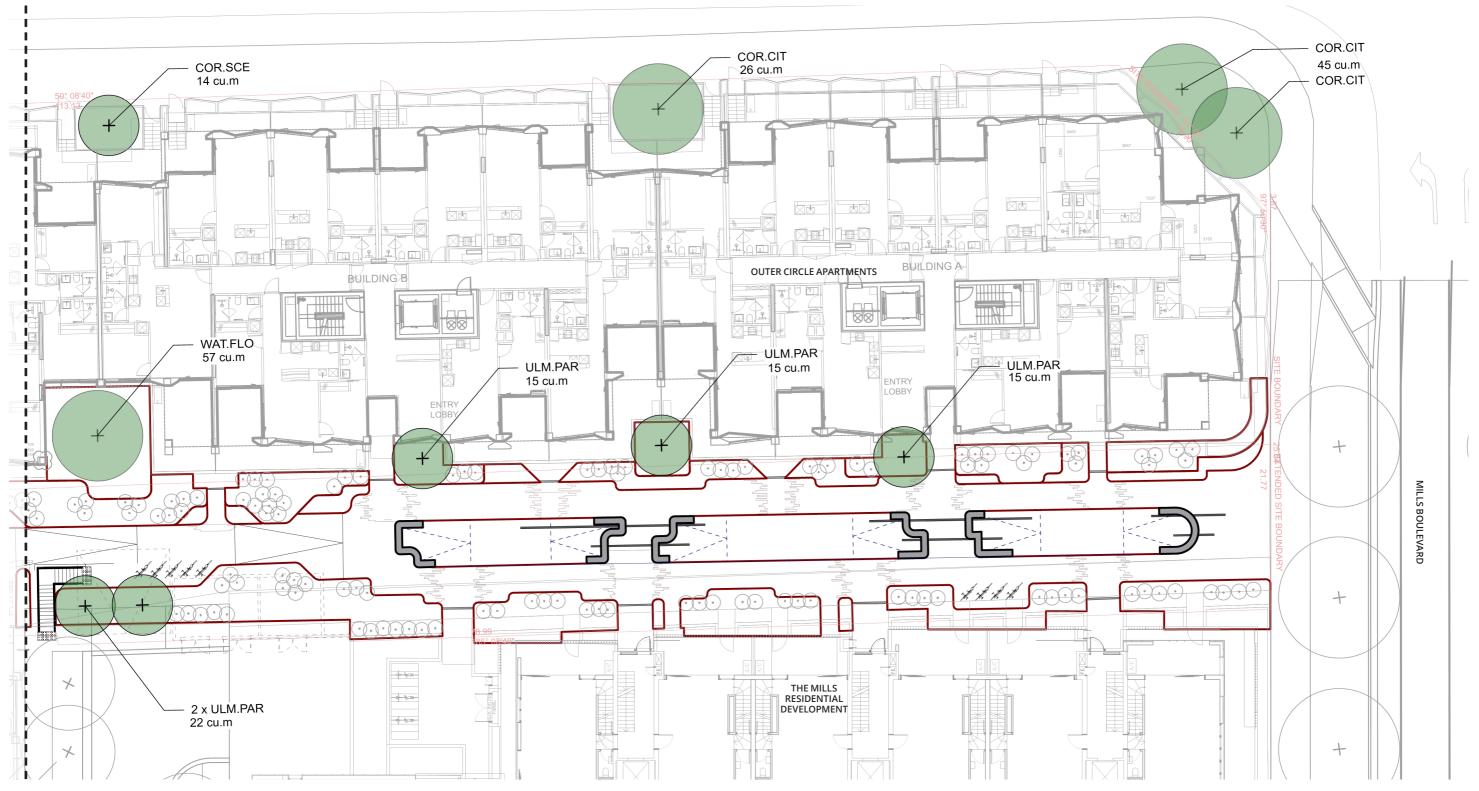
Strelitzia reginae Bird of Paradise





Paper Trail Planting Plan (Scale 1:250 @A3)

YarraBend - 60 Chandler Highway, Alphington - Town Planning Report



CHANDLER HIGHWAY

PLANTING	SCHEDULE - PAPER TRAIL						
Life Form			Mature Size	Install	Volume	Spacing	Density
Code	Botanical Name	Common Name	(H x W) m	Size	(Trees)	(m)	(per m2)
TREES							
ULM.PAR	Ulmus parvifolia	Chinese Elm	10 x 8	100L 2.5m ht. 40mm Caliper	14.9 cu.m	as shown	N/A
WAT.FLO	Waterhousea floribunda	Lilly Pilly	12 x 10	100L 2.5m ht. 40mm Caliper	14.9 cu.m	as shown	N/A
BAMBOO							
	Bambusa lako	Timor Black Bamboo	12 x 1	50L		as shown	N/A
	Himalayacalamus porcatus	Nepalese Blue Bamboo	5 x 3	50L		as shown	N/A
SHRUBS, C	GRASSES & GROUNDCOVERS MIX						
	Acacia cognata 'Green Mist'	River Wattle	1 x 1	200mm pot	-	0.75	1.8
	Centaurea cinarea	Dusty Miller	0.3 x 0.2	140mm pot	-	0.4	6.25
	Dianella cerulea	Dianella	0.5 x 0.4	140mm pot	-	0.5	4
	Dichondra argentea	Silver Falls	0.3 x 0.1	140mm pot	-	0.4	6.25
	Dicksonia antarctica	Soft Tree Fern	2-4 x 2-4	200mm pot	-	1.5	0.44
	Doodia Aspera	Prickly Rasp Fern	0.4 x 0.6	140mm pot	-	0.75	1.8
	Doryanthes palmeri	Giant Spear Lily	3 x 3	200mm pot	-	1.5	0.44
	Fatsia japonica	Glossy-leaf Paper Plant	1.5 x 1.5	200mm pot	-	1	1
	Helichrysum italicum	Curry Plant	0.4 x 0.4	140mm pot	-	0.6	2.8
	Lomandra hystrix	Green Mat-rush	1 x 1	200mm pot	-	0.75	1.8
	Myoporum parvifolium	Creeping Boobialla	0.4 x 0.1	140mm pot	-	1	1
	Plectranthus argentatus	Silver Plectranthus	1 x 1	200mm pot	-	0.5	4
	Strelitzia reginae	Bird of Paradise	1.2 x 1.2	200mm pot	-	1	1

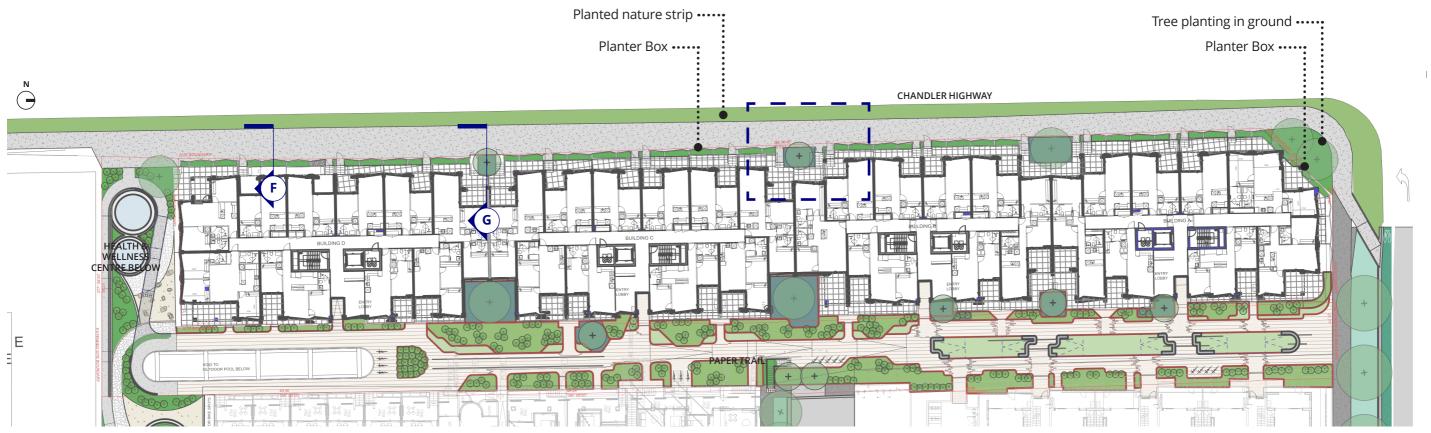
NOTE: Soil target volumes based on Soil Volume Simulator by Simon Leake and Elke Haege https://www.elkeh.com.au/ soils-no-text/

SOIL VOLUME SIMULATOR Key Factors influencing suitable minimum soil rooting volumes for New Trees in Limited Spaces. *Required	SOIL VOLUME SIMULATOR Key Factors influencing suitable minimum soil rooting volumes for New Trees in Limited Spaces. *Required				
MINIMUM SOIL VOLUME Select from the dropdown lists below to work out the suitable simulated recommended minimum soil volume for your project.	MINIMUM SOIL VOLUME Select from the dropdown lists below to work out the suitable simulated recommended minimum soil volume for your project.				
Tree Design Size and Height *	Tree Design Size and Height *				
small/medium 4-9m high (at 15-20 years)	tall tree 9-20m high (at 15-20 years)				
Climatic growing conditions (particularly rainfall) *	Climatic growing conditions (particularly rainfall) *				
is generally suited to the tree species selected. \checkmark	is generally suiled to the tree species selected. \checkmark				
Soil suitability within Tree Pit *	Soil suitability within Tree Pit *				
The proposed soil type is optimal for tree species selected. E.g.) Specificatio \mathbf{v}	The proposed soil type is optimal for tree species selected. E.g.) Specificatic $\mathbf{\vee}$				
Maintenance *	Maintenance *				
Periodically for the first 5+ years, there will be: suitable type and applications $~~\mathbf{\vee}~~$	Periodically for the first 5+ years, there will be: suitable type and applications $~\checkmark~$				
Lifespan/Planting replacement time *	Lifespan/Planting replacement time *				
A full size mature tree is expected with a long design life of 100+ years. \checkmark	Minimal stunting of tree is acceptable and/or the design life of the tree is to b $$ \checkmark				
Total Recommended Minimum Soil Volume: 6.15 m3	Total Recommended Minimum Soil Volume: 14.90 m3				
Small Tree (4-9m high)	Large Tree (9-20m high)				

3. Chandler Highway

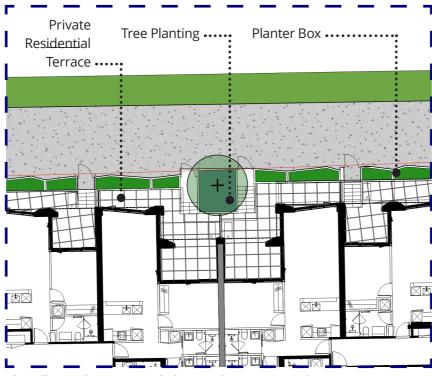


3.1. Chandler Highway - Concept Plan & Key Features



Chandler Highway Concept Plan (Scale 1:500 @A3)

A series of planters along the Western edge of the development provides a green interface between Chandler Highway and private residential terraces. Planters are stepped with the building to maintain a human scale edge, while also allowing for enough soil depth to ensure successful planting outcomes. Setbacks to building facades provides opportunity for larger tree species to be planted. The planting palette utilises hardy, drought-tolerant plant species to ensure a robust green edge to Chandler Highway.



Chandler Highway Typical Planter Plan Zoom (Scale 1:250 @A3)

LEGEND



MILLS BOULEVARD

NOTE: All public realm treatment outside the project site for illustrative purposes only.

SITE BOUNDARY

RRIGATED GARDENBED

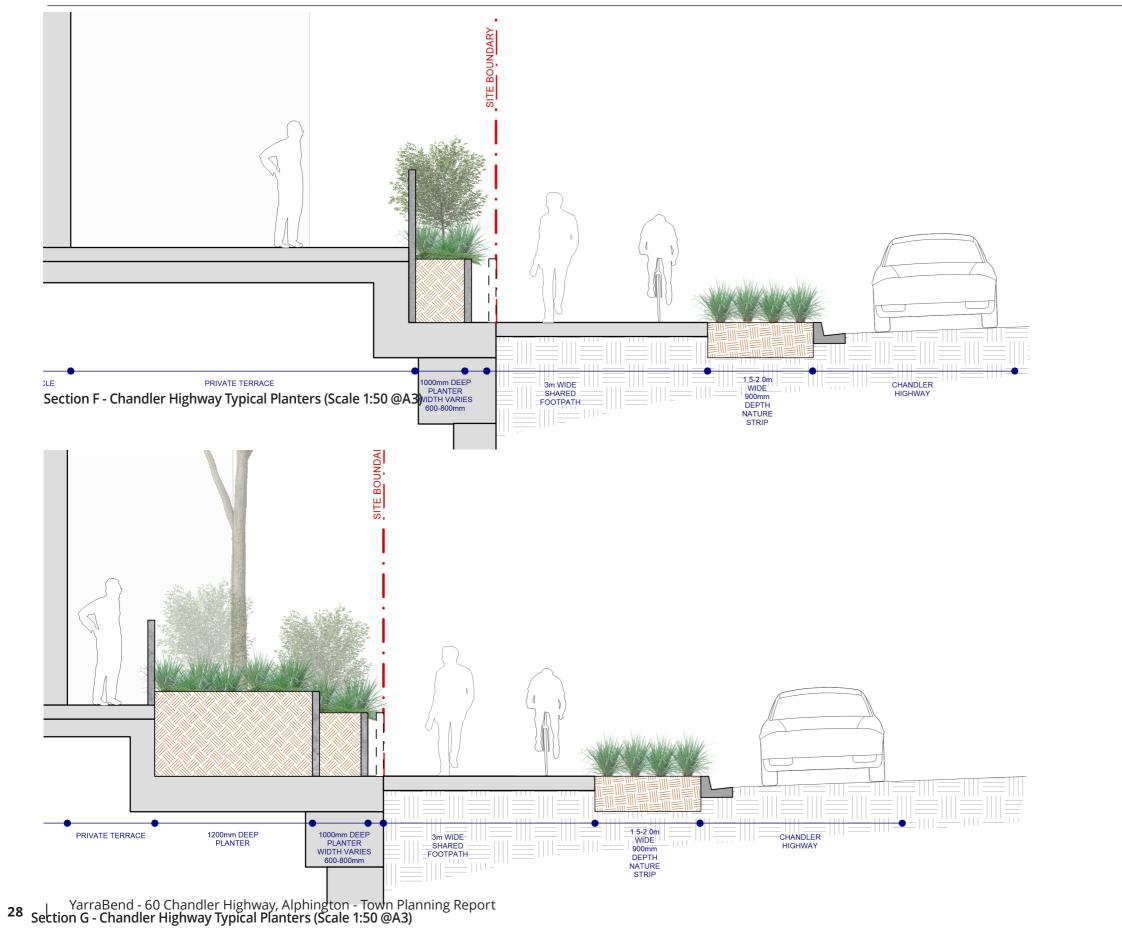
RRIGATED GARDENBED

00mm DEPTH

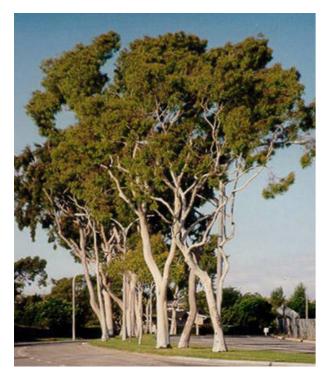
NSITU CONCRETE PAVING PORTLAND GREY WITH BROOM FI

PLANTER WALL

3.2. Chandler Highway - Sections



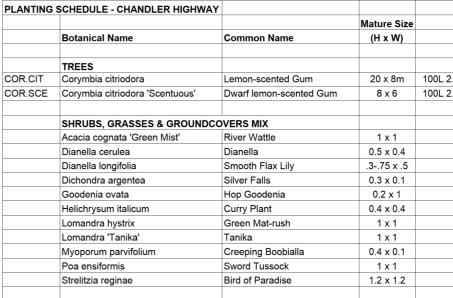
3.3. Chandler Highway - Planting Palette & Schedule



Corymbia citriodora Lemon-scented Gum



Corymbia citriodora 'Scentuous' Dwarf lemon-scented Gum





Acacia cognata 'Green Mist' River Wattle



Dianella cerulea Paroo Lily



Dianella longifolia Smooth Flax Lily



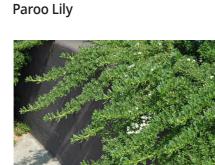
Dichondra argentea Silver Falls



Goodenia ovata Hop Goodenia



Lomandra hystrix Green-Mat Rush



Myoporum parvifolium Creeping Boobialla



Pennisetum alopecuroides Pennstripe



Lomandra 'Tanika' Tanika



Poa ensiformis Sword Tussock

Install			Density
Size			(per m2)
OIZC			(per mz)
L 2.5m ht. 40mm Caliper	14.9 cu.m	as shown	N/A
L 2.5m ht. 40mm Caliper	6.15 cu.m	as shown	N/A
200mm pot	-	0.75	1.8
140mm pot	-	0.5	4
140mm pot	-	0.5	4
140mm pot	-	0.3	11
200mm pot	-	1	1
140mm pot	-	0.5	4
200mm pot	-	0.75	1.8
200mm pot	-	0.75	1.8
140mm pot	-	1	1
200mm pot	-	0.75	1.8
200mm pot	-	1	1





Helichrysum italicum Curry Plant

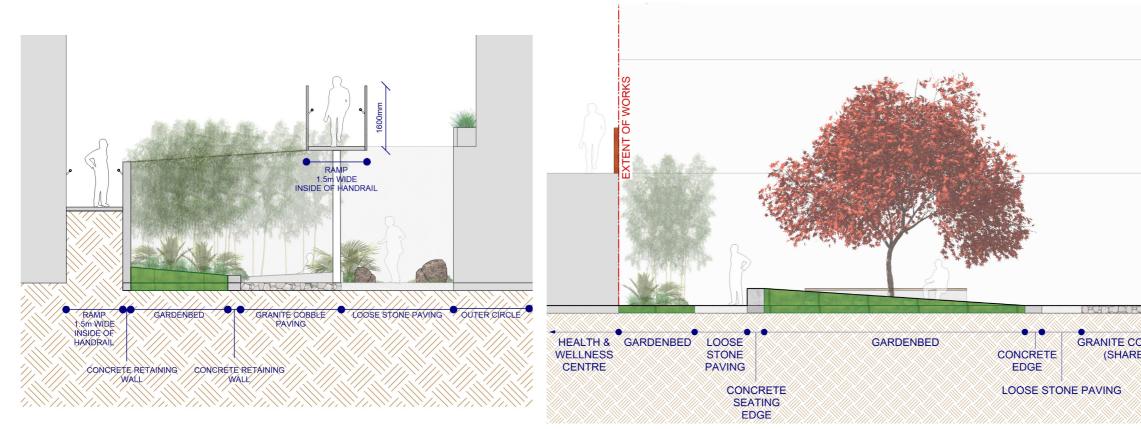


Strelitzia reginae Bird of Paradise

4. Health & Wellness Centre



4.1. Health & Wellness Centre - Sectional Elevations

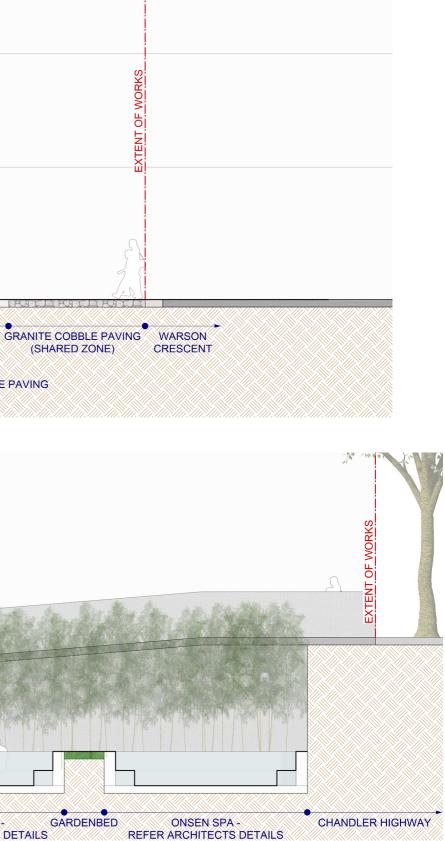


Sectional Elevation H - Health & Wellness Centre Onsen Zone (Scale 1:100 @A3)

Sectional Elevation I - Health & Wellness Centre Forecourt Entry (Scale 1:100 @A3)



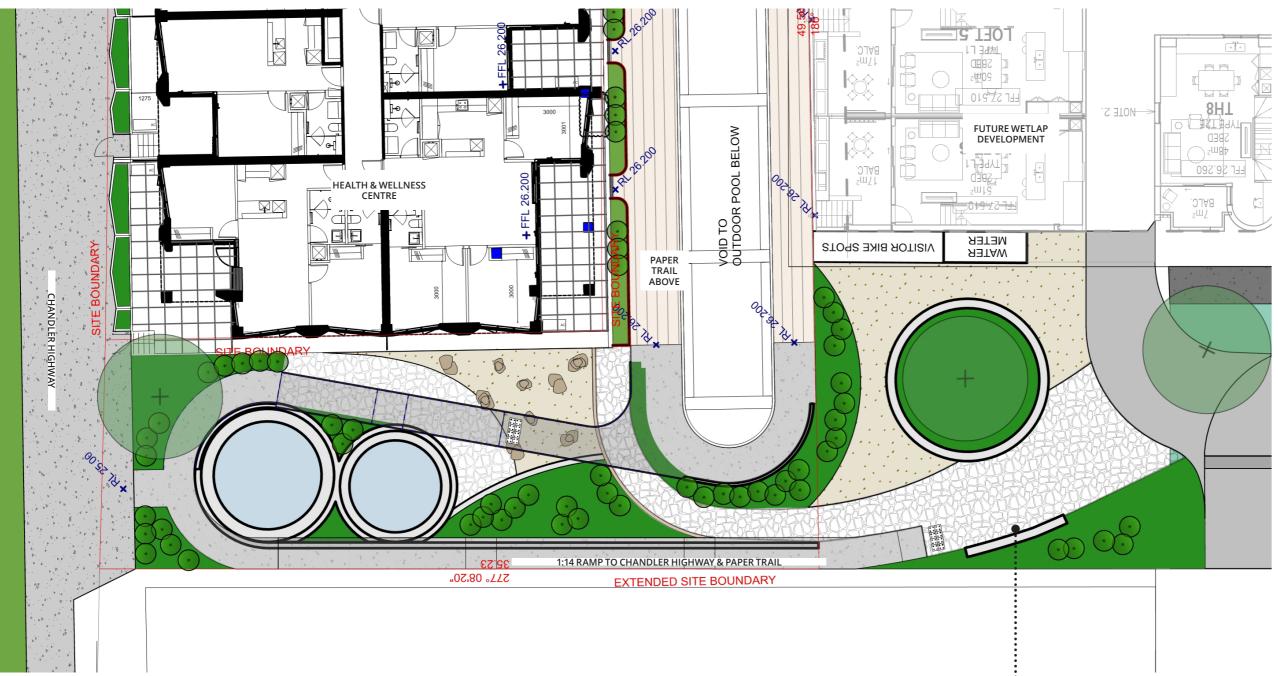
Sectional Elevation J - Health & Wellness Centre Forecourt Entry, Onsen Zone & Public Ramp to Chandler Highway & Paper Trail Above (Scale 1:100 @A3)



4.2. Health & Wellness Onsen - Indicative View



Indicative Render (By Others) YarraBend - 60 Chandler Highway, Alphington - Town Planning Report



4.3. Health & Wellness Centre - Key Levels Plan

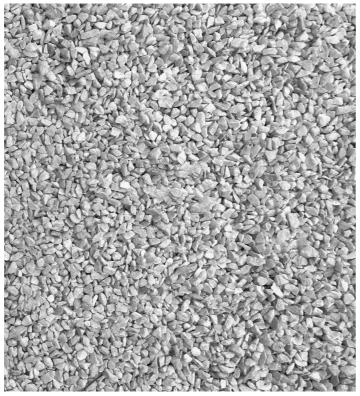
WARSON CRESCENT

Paper Trail Signage on Seat Wall

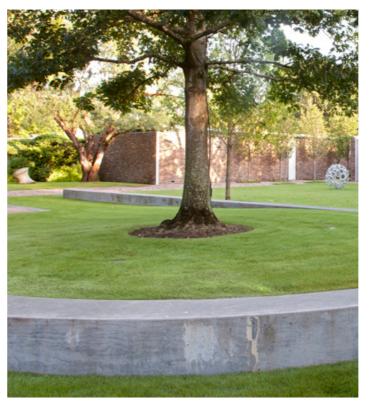
4.4. Health & Wellness Centre - Materials & Furniture



Granite Cobblestone Paving



White Loose Stone



Raised lawn

2



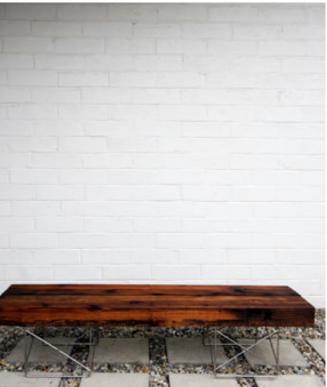
Timber privacy screen



Zen garden with feature rockwork



Low concrete wall to gardenbed



Timber seating

4.5. Health & Wellness Centre - Planting Palette



Acer palmatum Japanese Maple



Dypsis baronii Sugar Cane Palm



Bambusa lako Timor Black Bamboo



Asplenium australasicum **Birds Nest Fern**



Adiantum aethopicum Common Maidenhair



Blechnum nudum Fishbone Water Fern



Cyathea cooperi Lacy Tree Fern



Philodendron xanadu Philodendron



Dichondra repens Kidney Weed



Polystichum proliferum Mother-Shield Fern



Doodia aspera Prickly Rasp Fern



Fatsia japonica Glossy-leaf Paper Plant



Lomandra hystrix Green-Mat Rush



Dicksonia antarctica Soft Tree Fern



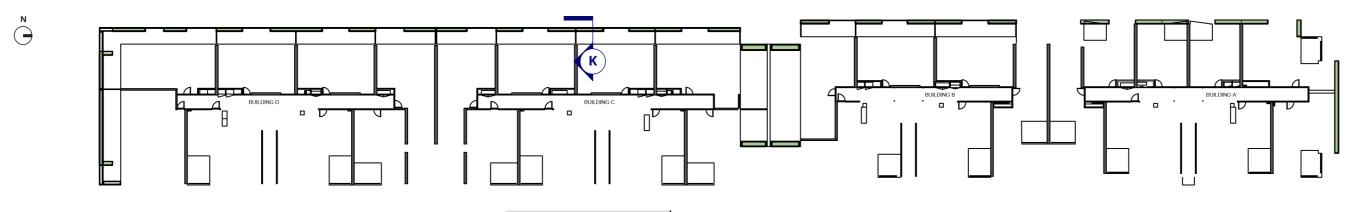
Soleirolia soleirolia Baby's Tears

4.6. Health & Wellness Centre - Planting Schedule

			Mature Size	Install			Density
	Botanical Name	Common Name	(H x W)	Size			(per m2)
	TREES						
ULM.PAR	Ulmus parvifolia	Chinese Elm	10 x 8	100L 2.5m ht. 40mm Caliper	14.9 cu.m	as shown	N/A
BAMBOO	Bambusa lako	Timor Black Bamboo	12 x 1	50L		as shown	N/A
	Himalayacalamus porcatus	Nepalese Blue Bamboo	5x3	50L		as shown	N/A N/A
			5x5	50L		as shown	IN/A
	SHRUBS, GRASSES & GROUN	IDCOVERS MIX					
	Adiantum aethiopicum	Common Maidenhair	1 x 1	200mm pot	-	0.5	4
	Asplenium australasicum	Birds Nest Fern	1.5 x 1.5	200mm pot	-	0.75	1.8
	Blechnum nudum	Fishbone Water-fern	1. x 1	200mm pot	-	0.5	4
	Cyathea cooperi	Lacy Tree Fern	5 x 4	200mm pot	-	1.5	0.44
	Dichondra repens	Kidney Weed	.15 x .6-1	140mm pot	-	0.3	11
	Dicksonia antarctica	Soft Tree Fern	2-4 x 2-4	200mm pot	-	1.5	0.44
	Doodia Aspera	Prickly Rasp Fern	0.4 x 0.6	140mm pot	-	1.5	0.44
	Dypsis baronii	Sugar Cane Palm	3 x 3.5	200mm pot	-	1.5	0.44
	Fatsia japonica	Glossy-leaf Paper Plant	1.5 x 1.5	200mm pot	-	1.5	0.44
	Lomandra hystrix	Green Mat-rush	1 x 1	200mm pot	-	0.75	1.8
	Philodendron xanadu	Philodendron	1 x 1	200mm pot	-	1	1
	Polystichum proliferum	Mother Shield Fern	2 x 2	200mm pot	-	0.5	4
	Soleirolia soleirolia	Baby's Tears	.15 x .6-1	140mm pot	_	0.5	4

5. Upper Level Balcony Planters

5.1. Upper Level Balcony Planters - Typical Concept Plan & Section



Upper Level Balconies - Typical Concept Plan (N.T.S)

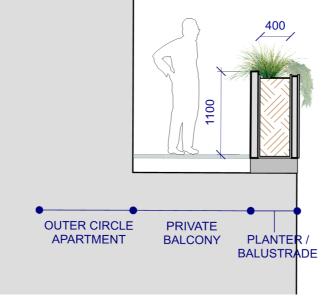
A number of balconies to upper levels are provided with a series of linear planters. These also act as balustrades.

Planting to these will consist of verdant trailing species as well as accent strappy and small shrub species that have been selected for the range of day light exposure around the buildings.

These will to provide visual interest to the residents, as well as a year-round green fringe to the upper levels of the building when see from a far.

These planters will be irrigated, and contain an engineered high quality planter mix with low organic content, high water holding capacity, and low air filler porosity - to ensure good establishement and on-going health and vigour of the plants.

Maintenance will be by the residents, with a guide to be provided to ensure species are not replaced with anything un suitable from a visual and tolerance point of view.



Section K - Level 04 Typical Planters (Scale 1:50 @A3)

5.2. Upper Level Balcony Planters - Typical Planting Palette & Schedule

			Mature Size	Install			Density
	Botanical Name	Common Name	(H × W)	Size			(per m2)
	SHRUBS, GRASSES & GROUNDC	OVERS MIX					
	Casaurina glauca 'Cousin It'	Cousin It	0.4 x 0.8	140mm pot	-	0.75	1.8
	Clivia miniata 'Shademaster Yellow'	Bush Lily	0.8 x 0.8	140mm pot	-	0.5	4
	Convolvulus sabatius	Blue rock bindweed	0.2 x 0.8	140mm pot	-	0.5	4
	Dianella longifolia	Smooth Flax Lily	0.6 x 0.6	140mm pot	-	0.75	1.8
	Juniperus taxifolia 'Lutchuensis'	Creeping Juniper	0.3 x 0.7	140mm pot	-	0.75	1.8
	Rhipsalis baccifera	Mistletoe Cactus	0.5 x 0.5	140mm pot	-	0.5	4
	Rosmarinus officinalis Prostratus	Prostrate Rosemary	0.3 x 1.0	140mm pot	-	0.75	1.8
_	Myoporum parvifolium 'broad leaf'	Creeping Boobialla	0.3 x 0.7	140mm pot	-	0.75	1.8



Casaurina glauca 'Cousin It' Cousin It



Clivia miniata 'Shademaster Yellow' Bush Lily



Dianella longifolia Smooth Flax Lily



Convolvulus sabatius Blue rock bindweed



Juniperus taxifolia 'Lutchuensis' **Creeping Juniper**



Rosmarinus officinalis Prostratus Prostrate Rosemary



Myoporum parvifolium 'broad leaf' **Creeping Boobialla**



Trachelospermum 'Flat Mat' Flat Mat



Westringea 'Grey Box' Native Rosemary





Rhipsalis baccifera **Mistletoe Cactus**

ASPECT Studios[™]

P// +61 3 9417 6844

F// +61 3 9417 6855

Level 4, 160 Queen Street Melbourne, VIC, 3058

www.aspect-studios.com