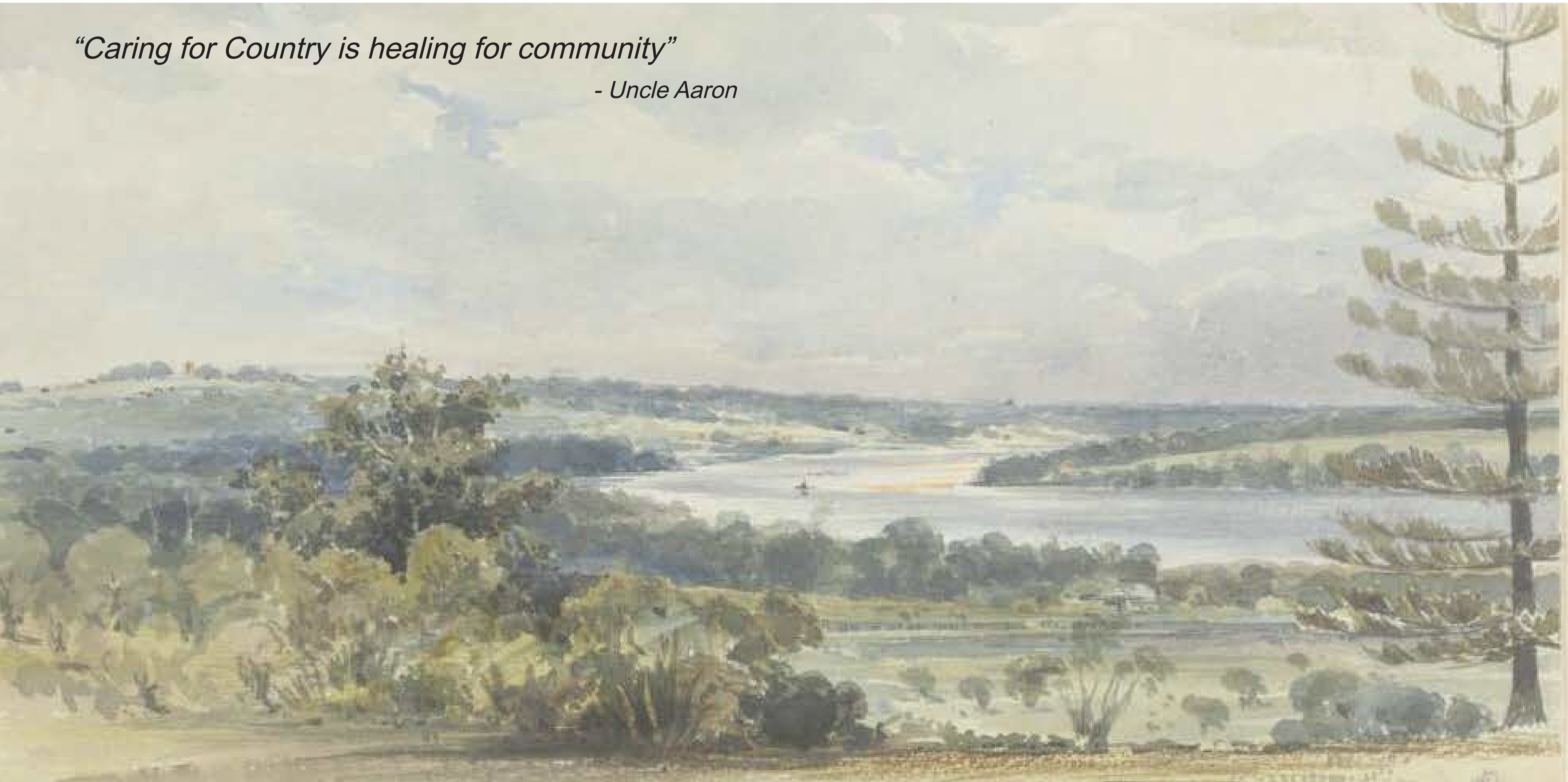


Gregory Place, Harris Park

CONCEPT DA EIS

“Caring for Country is healing for community”
- Uncle Aaron

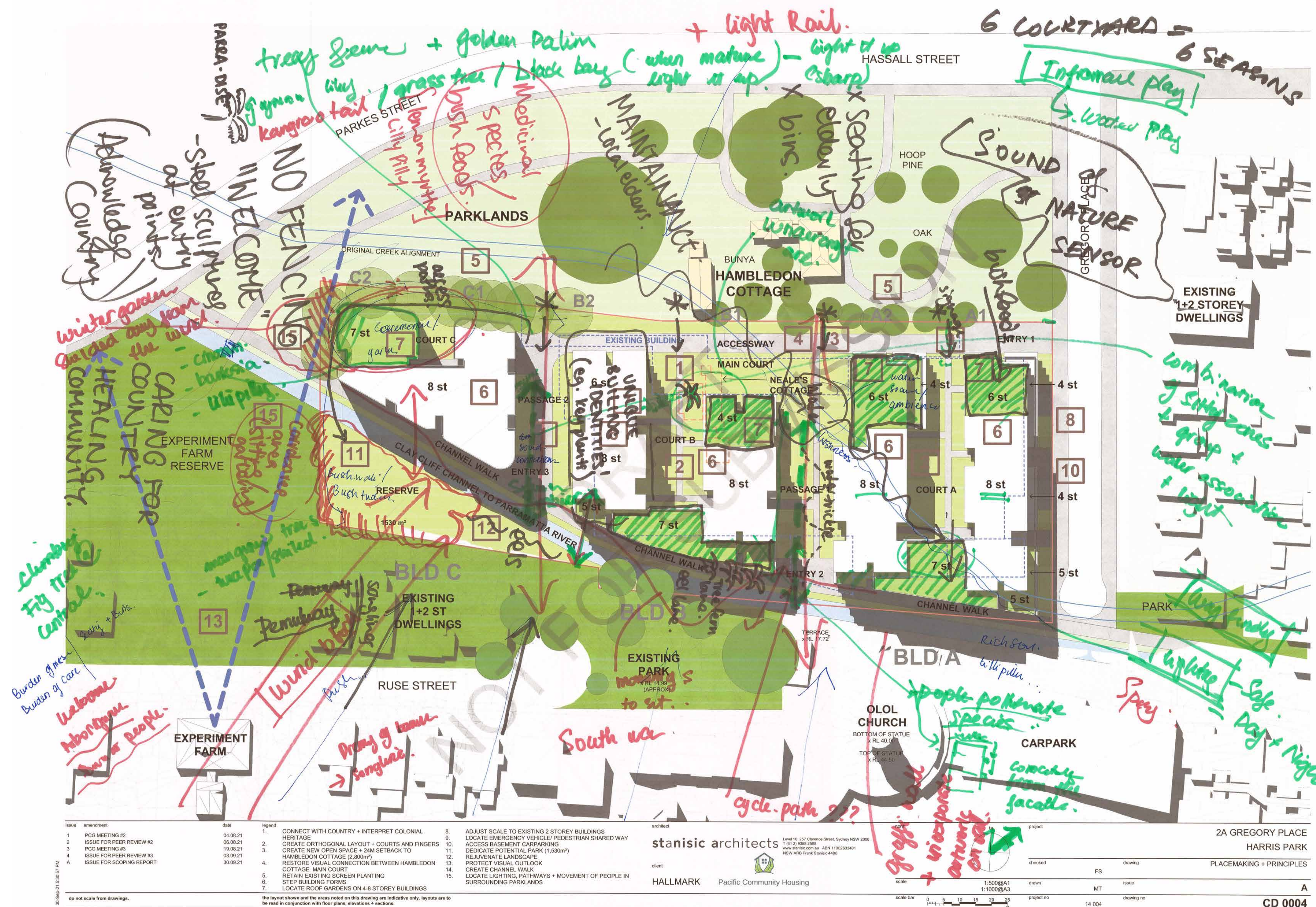


Painting of Parramatta River, 26 December 1827
By George Penkivill Slade sourced from National Library of Australia

CONCEPT DA-EIS INDIGENOUS WORKSHOP CONSULTATION

OUTCOMES OF INDIGENOUS CONSULTATION & DESIGN WORKSHOP

Held on 12th May 2022

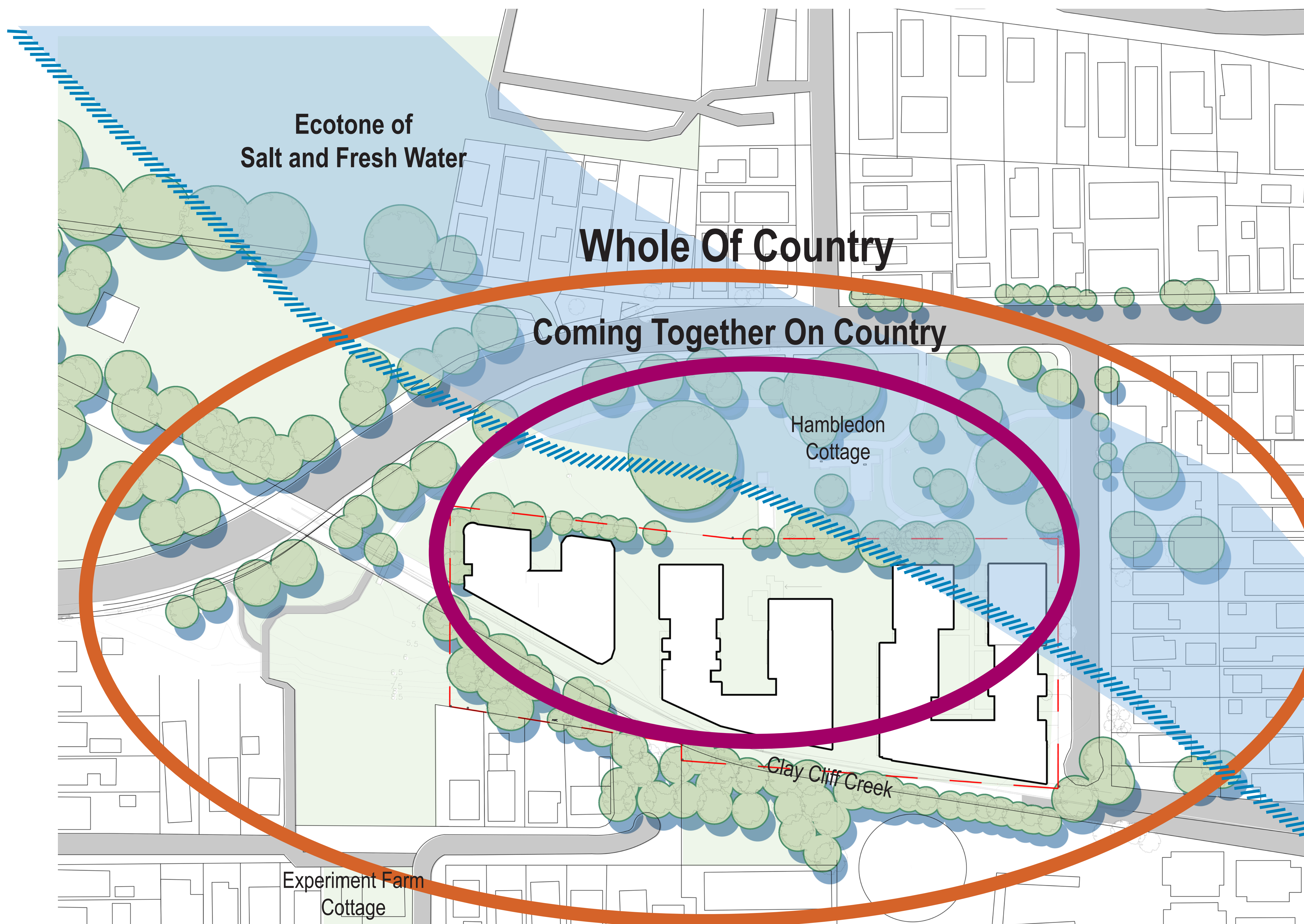


Sketch/ Markup by the community

Date: 24.05.2022

CONCEPT DA-EIS

CONNECTING WITH COUNTRY



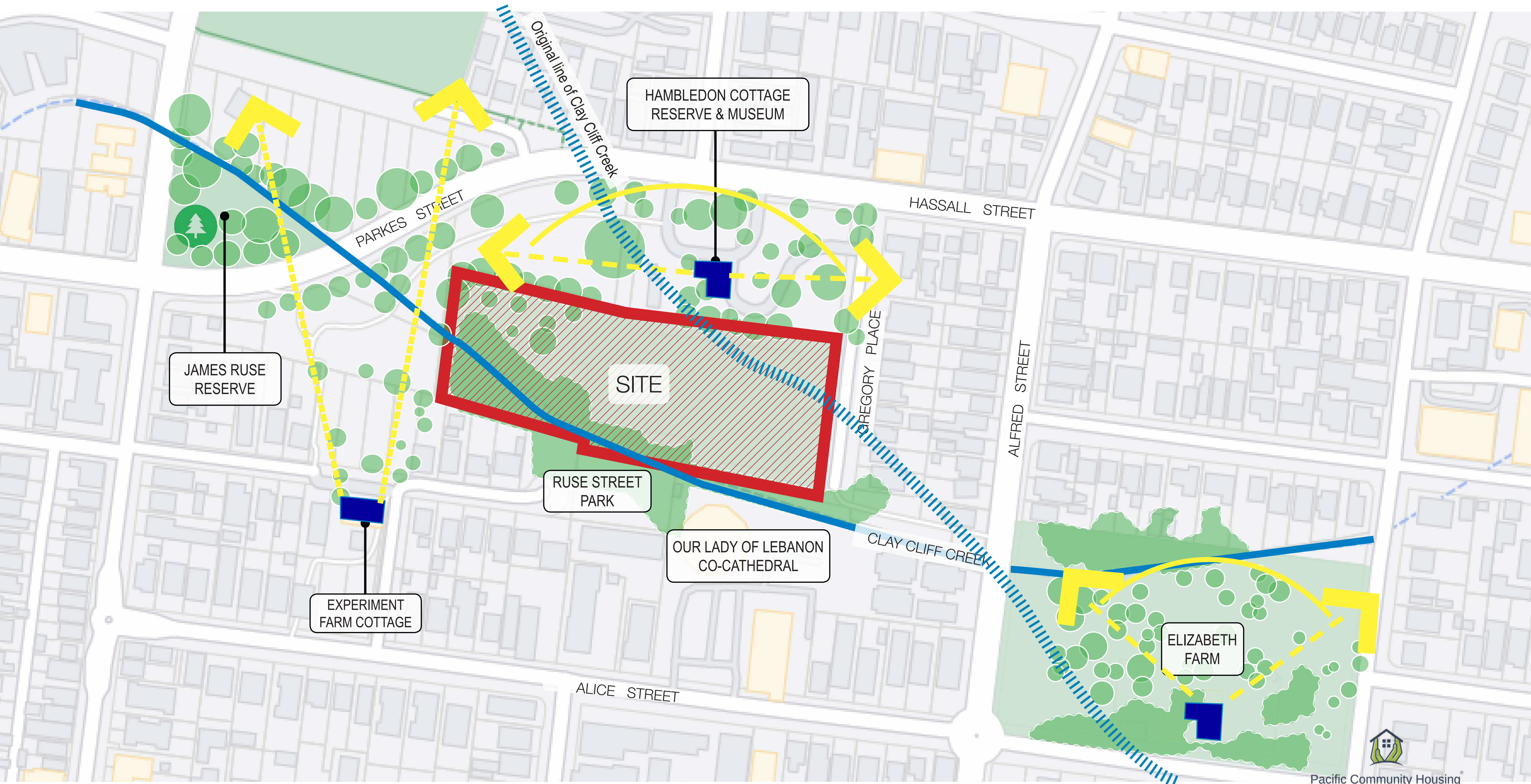
OUTCOMES OF INDIGENOUS CONSULTATION & DESIGN WORKSHOP

Held on 12th May 2022

- Connection to Clay Cliff Creek
- Incorporation of medicinal native species and bushtucker
- Incorporation of 6 seasons in planting and philosophy
- Incorporation of nature play elements that promote discovery and education
- Sense of welcome with no fencing
- Garden and landscape maintenance by local elders
- Sound of nature incorporate throughout the design (Wind, fauna and flora)
- Physical connection across Clay Cliff Creek
- Combination of seating nodes for groups and individuals
- Opportunities for seating and yarning areas.
- Acknowledge Pemulwuy
- Rooftop gardens for residential interaction opportunity to break the architecture and incorporate vertical pollinator beacon
- Relaxing the creek edge, celebrate the water system and adjacent ecological community

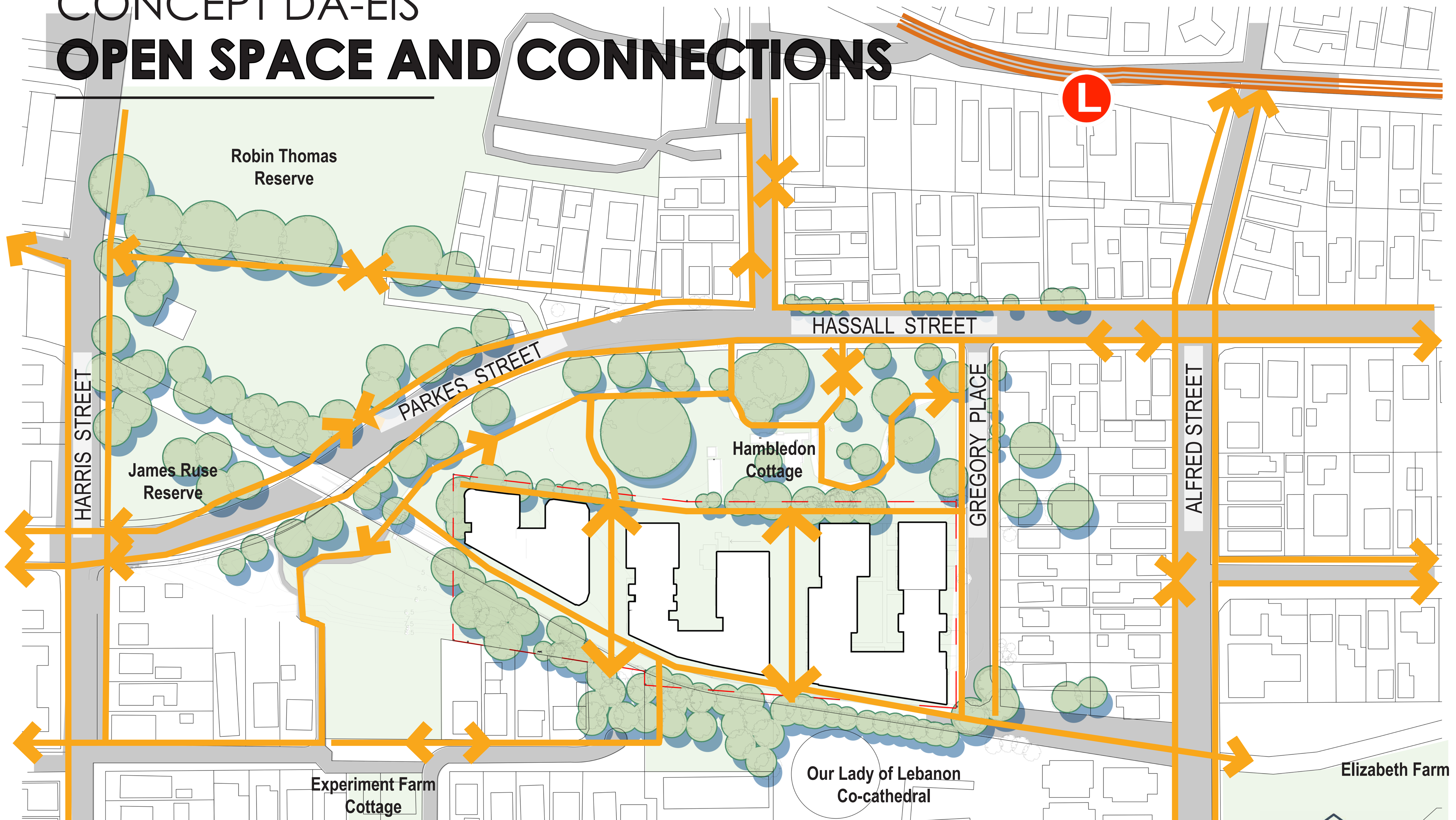
CONCEPT DA-EIS

CONTEXTUAL RELATIONSHIP



CONCEPT DA-EIS

OPEN SPACE AND CONNECTIONS



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AND SECURE AFFORDABLE HOUSING



CONCEPT DA-EIS SERVICE ACCESS

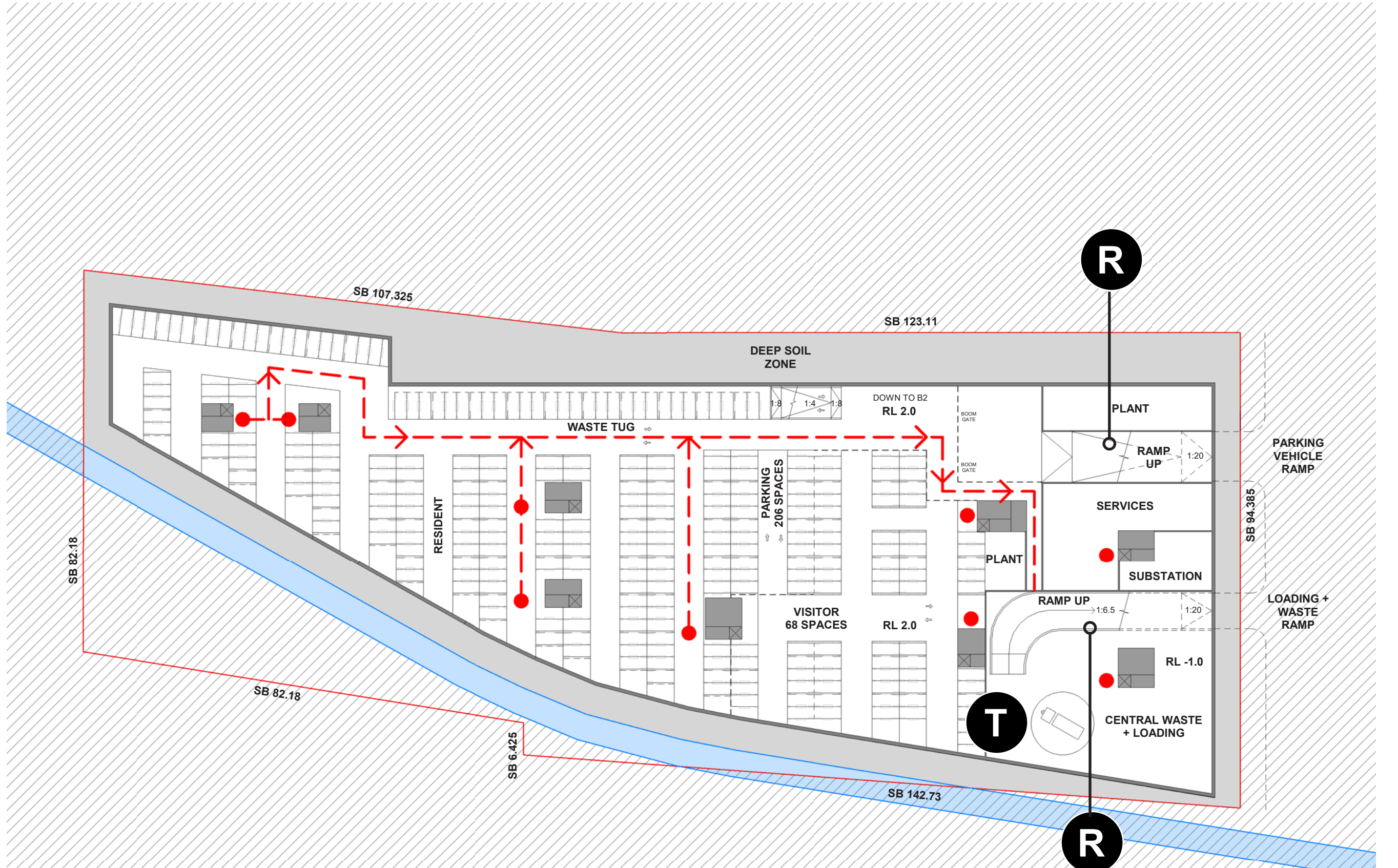
HASSALL STREET



VEHICULAR MOVEMENT DIAGRAM

Legend

-  Fire brigade access
-  Ambulance
-  Taxi



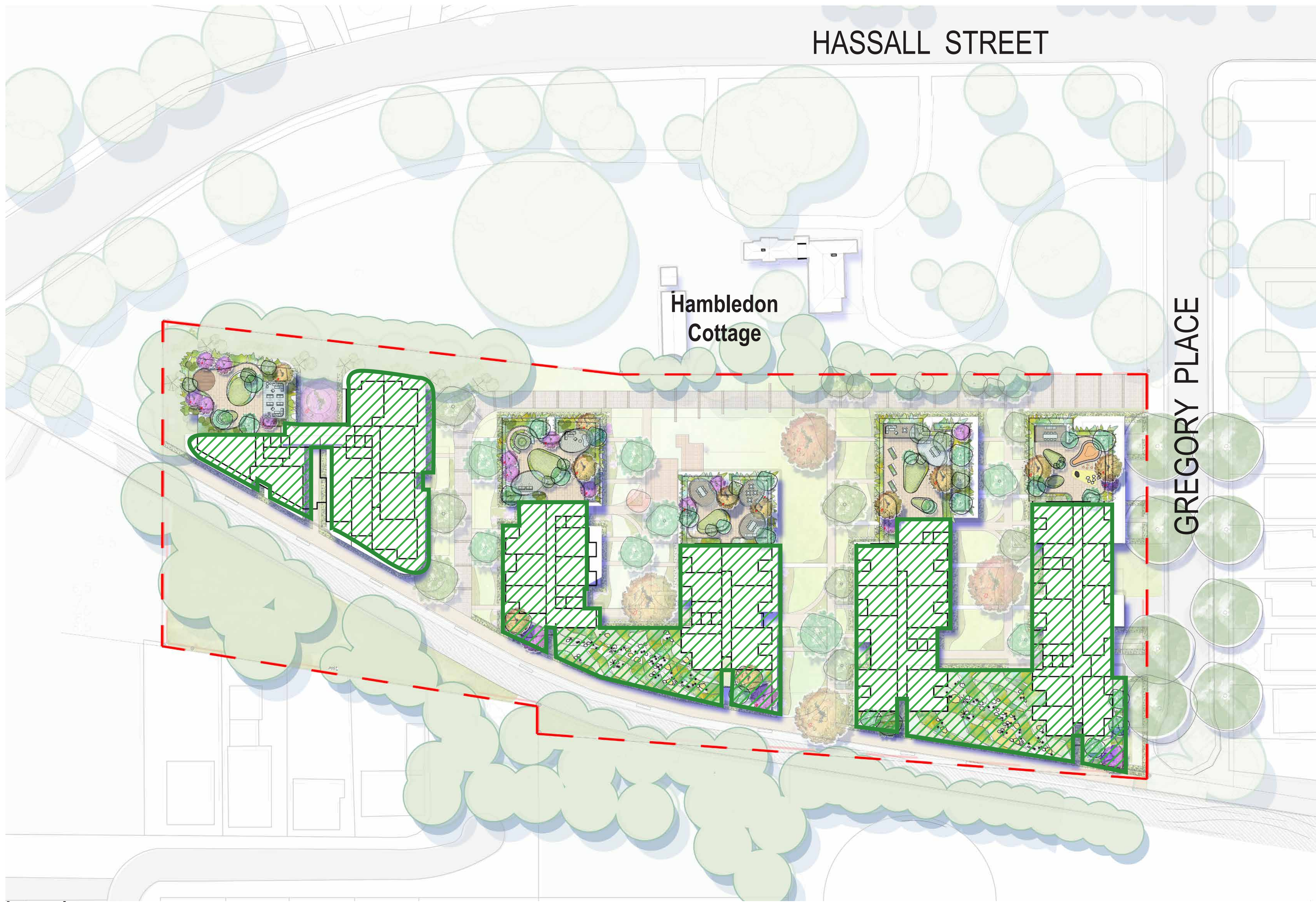
WASTE MOVEMENT DIAGRAM

Legend

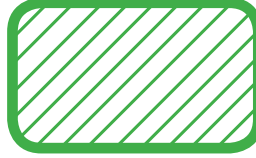
- Waste chutes + stores
- T Turntable for hrv waste vehicle + loading
- R Ramp up to Ground Level

CONCEPT DA-EIS

ENVIRONMENTAL STRATEGY



Legend

 Green Roof

Environmental Ecologically Sustainable Design (ESD) Strategy- By SLR Consulting

Environmental Design

- Connected and Open Community
- Walkways, Courtyards and Bicycle links and storage
- Reduced Parking Footprint
- Public Spaces and Recreation Facilities

Energy Rating Exceeding Basix requirements:

- Green Building Design
- Energy Efficient Infrastructure and Appliances
- LED energy efficient lighting for all residential units
- Light efficiency measures in the carpark using motion sensors
- Heat pump hot water for residential apartments
- Efficient individual reverse cycle 1-phase air-conditioning system (zoned) of 4-star energy rating for all apartments
- Minimum 4.5-star energy efficient refrigerators
- Optimised design for energy and thermal performance
- Photo Voltaic Green energy rooftops

Water Rating Exceeding Basix Requirement:

- Indigenous and low maintenance landscaping
- Water efficient infrastructure and fixtures
- All residential shower heads are 4-Star (>4.5 but ≤6 Litres per minute)
- All residential toilet flushing systems are 4-star
- All residential Kitchen and bathroom taps are 6-star
- Dishwashers and clothes washers to have a minimum 2.5-star water efficiency rating
- Rainwater Tank
- Provision of 20,000 L rainwater tank for irrigation;
- Wastewater and Recycled water management
- Renewable Energy
- A 500 kW PV solar system to significantly minimises greenhouse gas emission reflecting the goal to achieve net zero emissions.
- A 500 kW PV solar system will offset approximately 693.5 MWh/ year of energy usage.
- The estimated greenhouse gas CO2 emission saving is approximately 586,670 kgCO2/annum



CONCEPT DA-EIS

SITE WAYFINDING



CONCEPT DA-EIS MASTERPLAN

HASSALL STREET

GREGORY PLACE

Neale's Cottage & Curtilage
interpreted in brick foundation &
gravel trim

Original line of Clay Cliff Creek
interpreted in the landscape

Theme of bountiful harvest
incorporated into landscape and
garden areas

Creation of 3 garden courts
with their own identity and
character

Encouragement of a sense
of community through a series
of moments through the
landscape

Cumberland Plain Shale
Woodland and gathering
space for ceremony

Connection between
sustainability measures and
Connection with Country

Hambledon
Cottage

Markers that Acknowledge and
Welcome to Country and key
precinct entries

Large scale street trees to
mediate scale of proposal in
relation to existing neighbours

Incorporation of artworks
inspired by medicinal/ endemic
planting to architecture

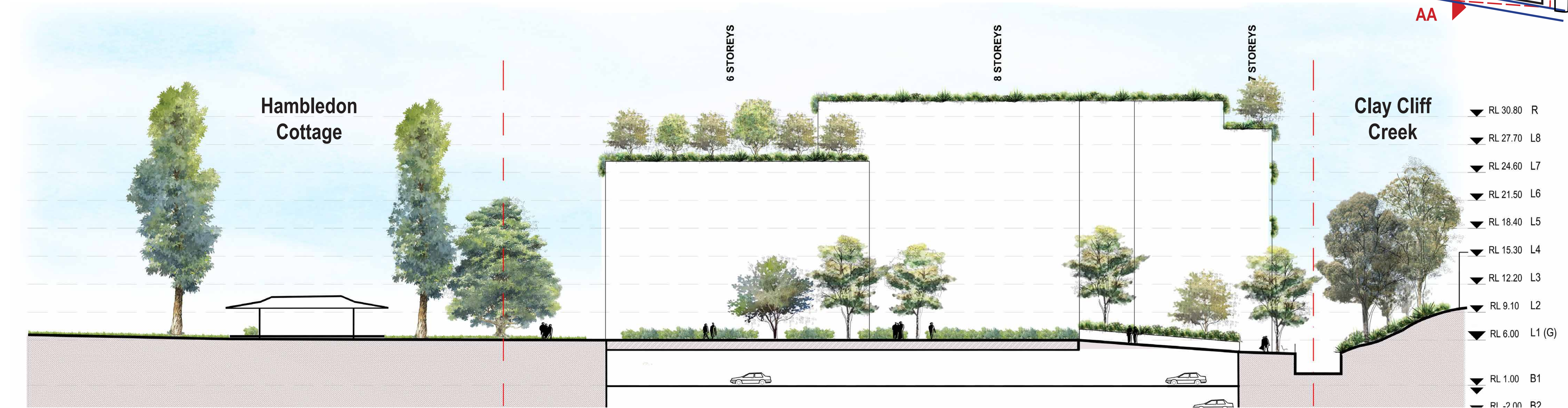
Symbolic link to creek

Integration of CPTED guidelines
throughout the site

Clay Cliff Creek

CONCEPT DA-EIS

LANDSCAPE LAYERS

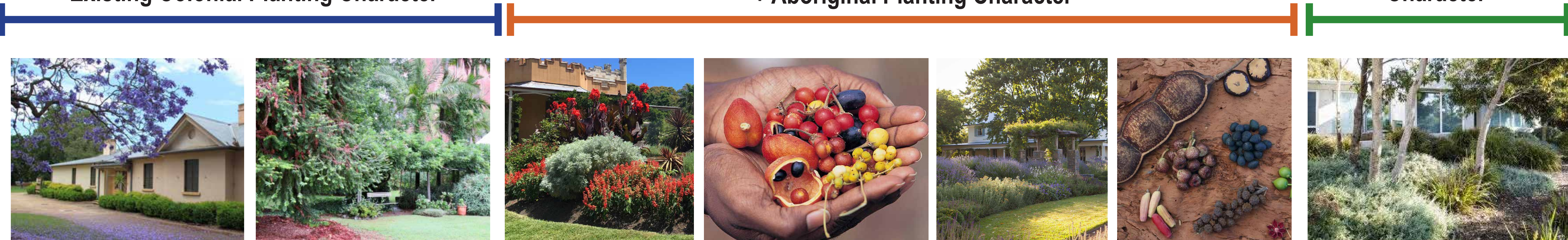


Section AA - Through Community Heart

Existing Colonial Planting Character

Colonial Planting Character
+ Aboriginal Planting Character

Woodland Shale
Character



CONCEPT DA-EIS

PLANTING CHARACTER - ECOTONE

Trees



Jacaranda mimosifolia



Lagerstromia sp.



Franklinia axillaris



Magnolia grandifolia



Backhousia citriodora

Shrubs



Rhododendron sp.



Canna indica sp.



Camellia sasanqua Yuletide



Correa alba



Melianthus major



Canna indica sp.



Strelitzia reginae



Clerodendrum sp.



Acmena smithii



Breynia oblongifolia



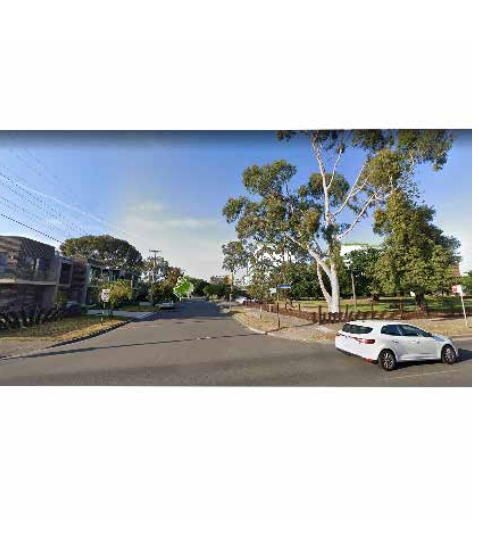
Strobilanthes gossypinus



Chamelaucium Jambinu



Hibiscus mutabilis



Plumbago sp.

Groundcovers



Clerodendrum thomsoniae



Wisteria sp.



Olearia axillaris



Hymenocallis sp.



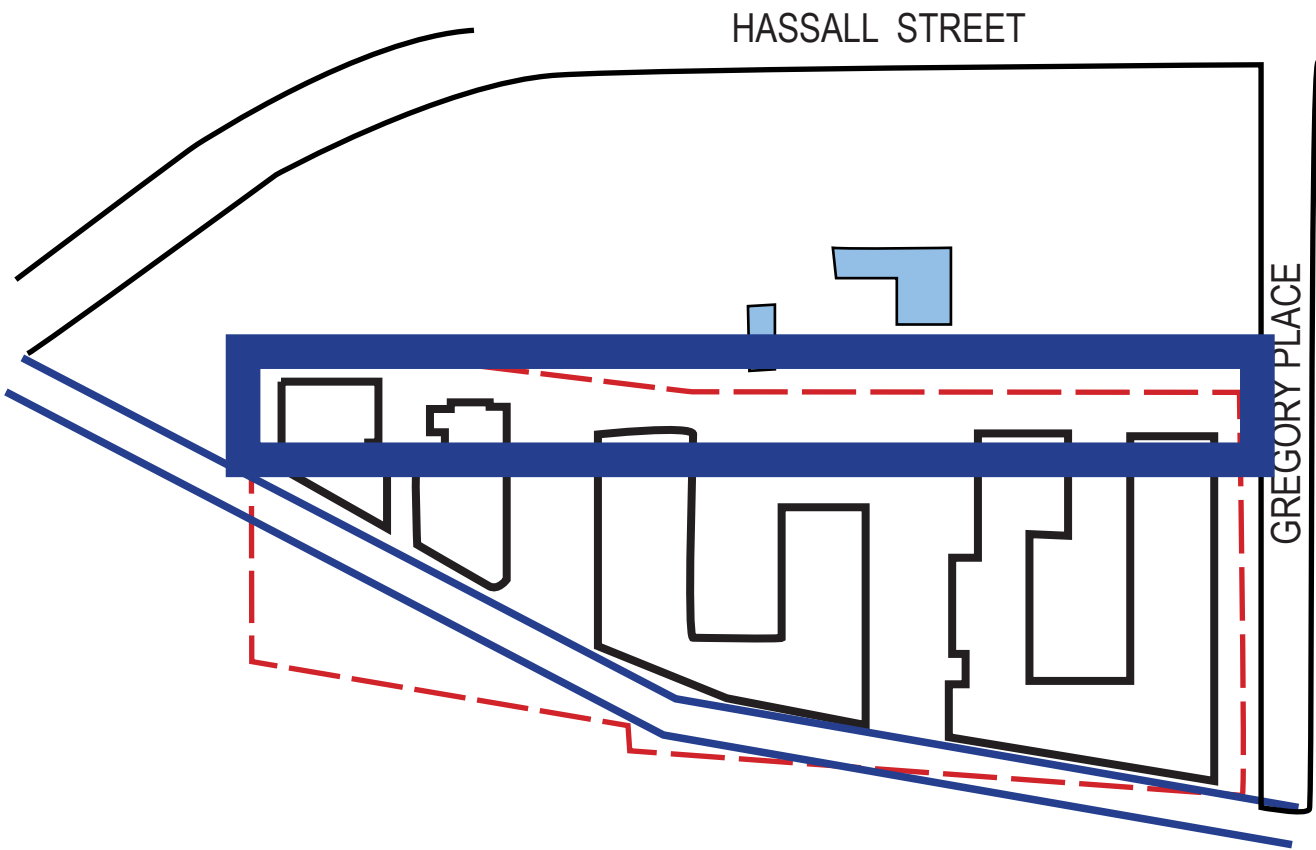
Tecoma capensis



Mentha diemenica



Tulbaghia violacea



Ecotone Plant List

BOTANICAL NAME	COMMON NAME	HEIGHT (m)	NATIVE	COLONIAL
TREES				
Agonis flexuosa	Willow Myrtle	5	X	
Gordonia axillaris	Egg and Bacon Plant	5		X
Hymenosporum flavum	Native Frangipani	10	X	
Jacaranda mimosifolia	Jacaranda	15		X
Lagestroemia indica	Crepe Myrtle	8		X
Macadamia tetraphylla	Macadamia	18		X
Magnolia grandiflora 'teddy bear'	Magnolia	5		X
SHRUBS				
Alpinia zerumbet	Shell Ginger	1.5		X
Camellia japonica 'Alba Plena'	Camellia	2		X
Camellia sasanqua 'Yuletide'	Camellia	1.5		X
Chamelaucium jambinu	Jambini Zesat	1.5	X	
Correa alba	White Correa	1.5	X	
Cotinus coggygria	Smoke Bush	3		X
Doryanthes excelsa	Gymea Lily	4	X	
Echium fastuosum	Pride of Madeira	2.5		X
Escallonia 'Iveyi'	Escallonia	2		X
Escallonia 'Pink Pixie'	Pink Pixie	0.8		X
Euphorbia wulfenii	Euphorbia	1		X
Hibiscus mutabilis	Hibiscus	3		X
Hydrangea macrophylla	Hydrangea	2		X
Macleaya cordata	Plume Poppy	2		X
Mentha diemenica	Wild mint	1	X	
Murraya paniculata	Orange Jessamine	3		X
Pittosporum tobira 'Miss Muffet'	Miss Muffet	1		X
Rosa laevigata	Cherokee rose	3		X
Rosemary 'Blue Lagoon'	Rosemary	1.5		X
Strobilanthes gossypinus	Persian Shield	1.5		X
Syzygium 'Cascade'	Lilly Pilly	3	X	
Teucrium fruticans	Shrubby Germander	1		X
GROUNDCOVERS				
Alternanthera dentata	Little Ruby	0.4		X
Banksia spinulosa 'Birthday Candles'	Banksia	0.2	X	
Carex 'Evergold'	Evergold	0.3		X
Festuca glauca	Blue Fescue	0.4		X
Helleborus argutifolius	Corsicam Hellebore	0.5		X
Lavandula 'Munstead'	Dwarf Lavender	0.8		X
Rosmarinus officinalis 'Prostrate'	Prostrate Rosemary	0.5		X
Stachys byzantina	Lamb's Ear	0.5		X
Trachelospermum jasminoides	Star Jasmine	0.2		X
Tulbaghia violacea	Society Garlic	0.5		X
Viola hederacea	Native Violet	0.1	X	
Westringia mundii	Coastal Rosemary	0.4	X	

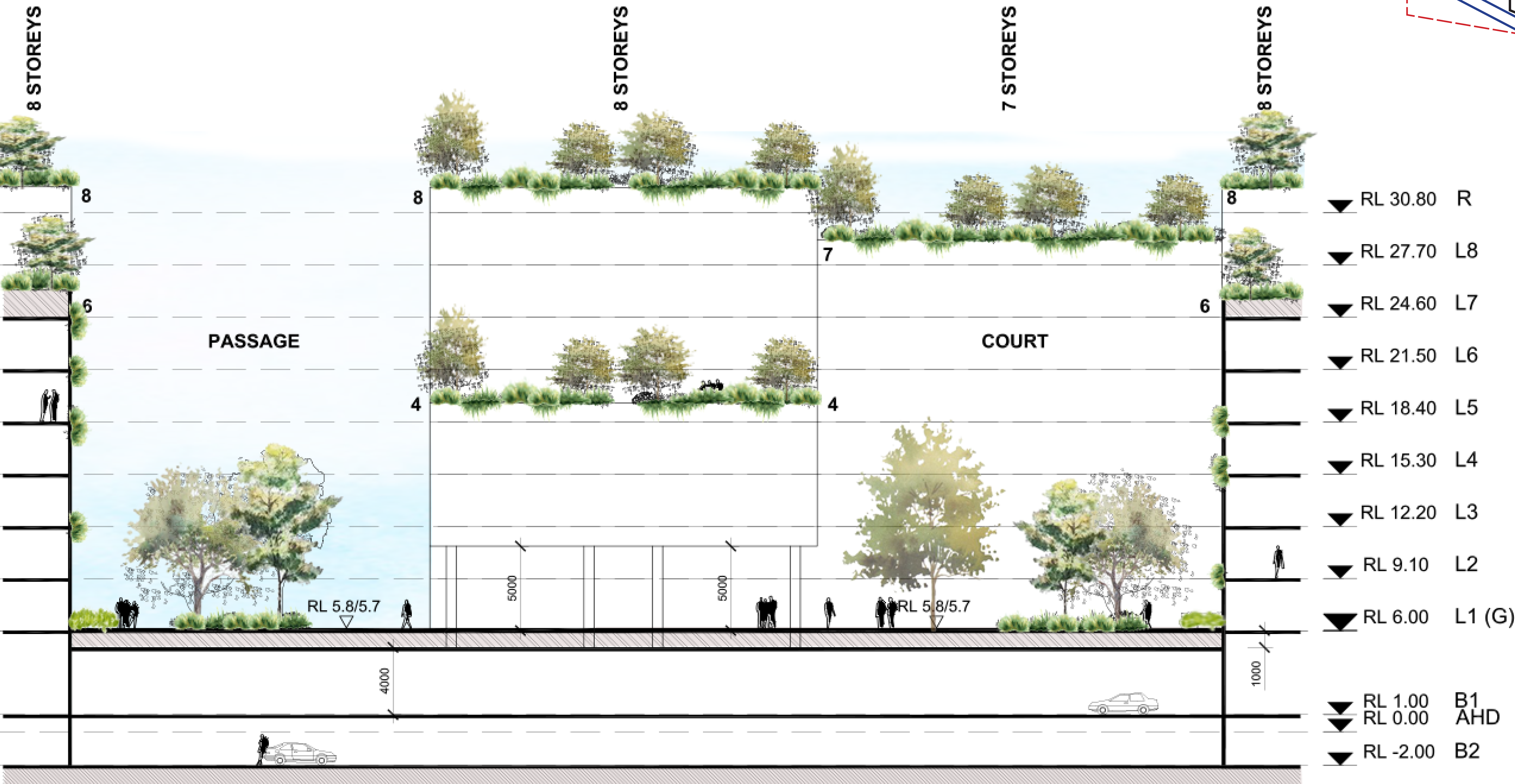


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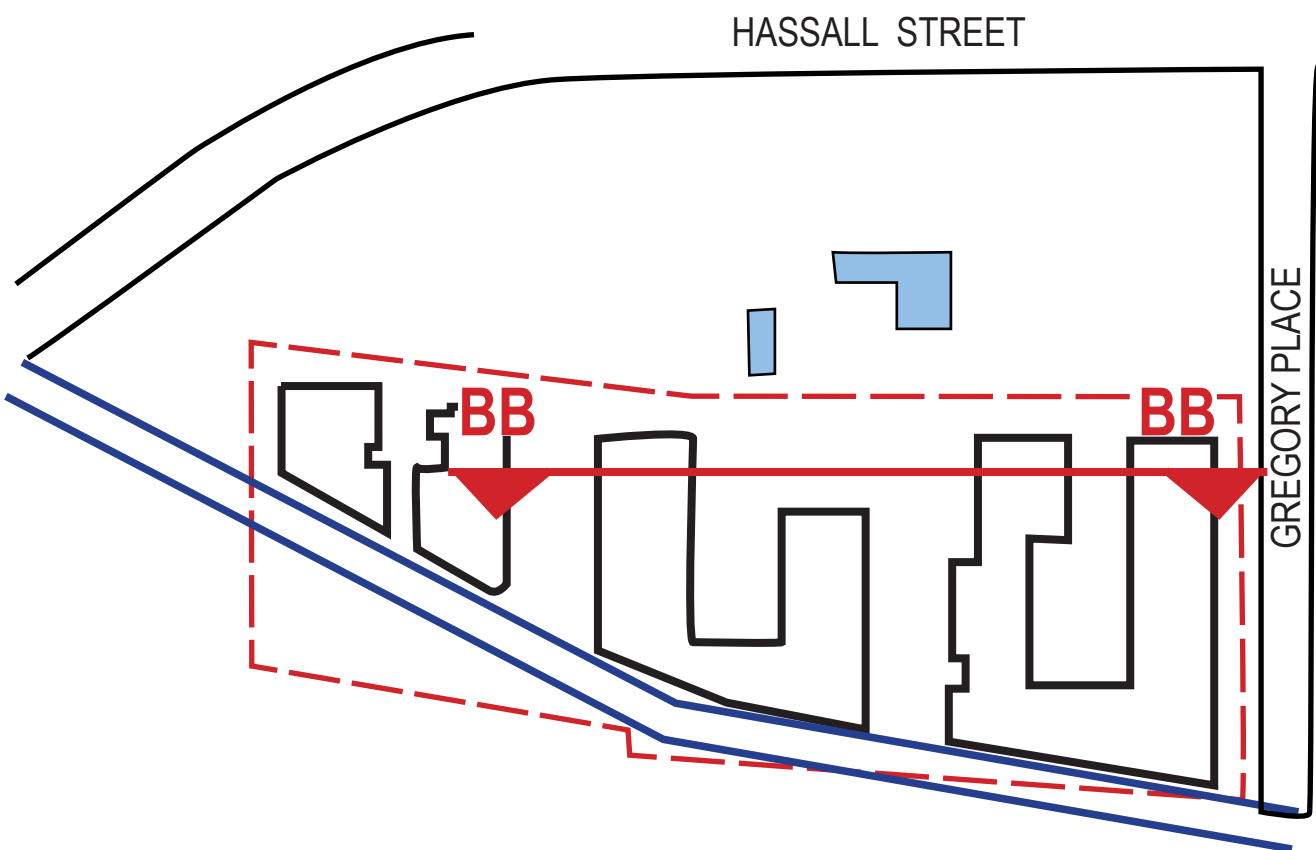


CONCEPT DA-EIS

COMMUNITY HEART - SECTION

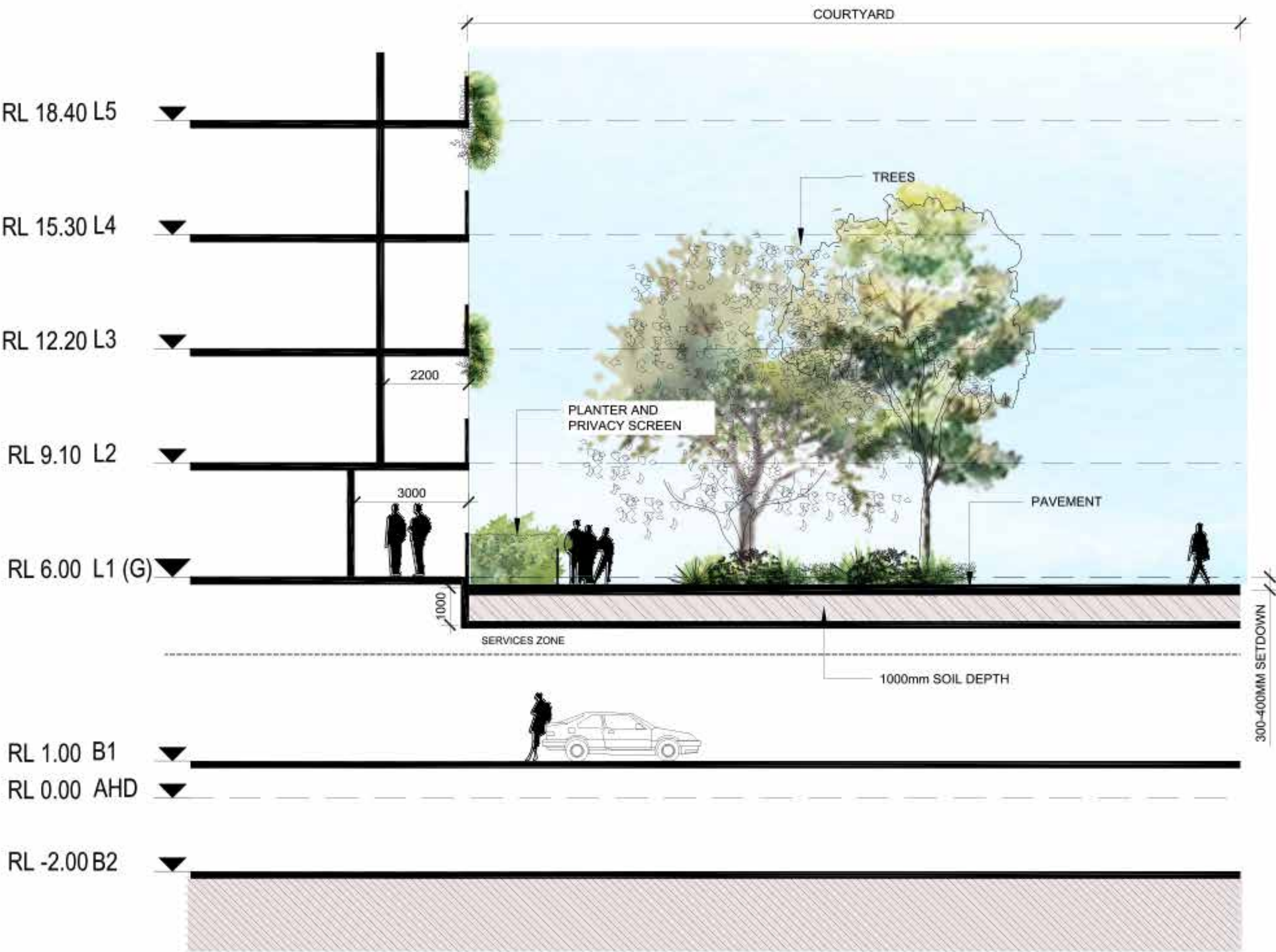
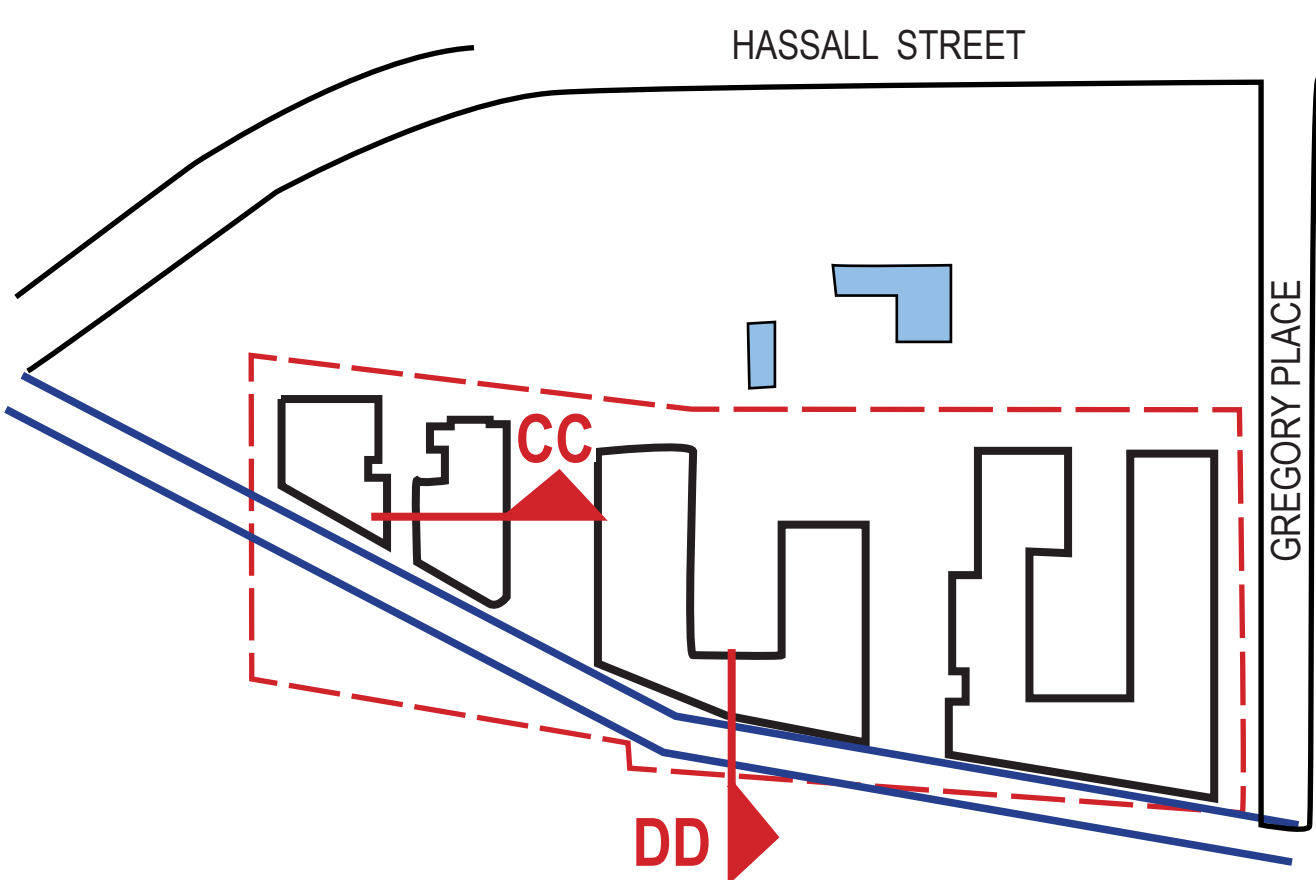


Section BB - Through Community Heart

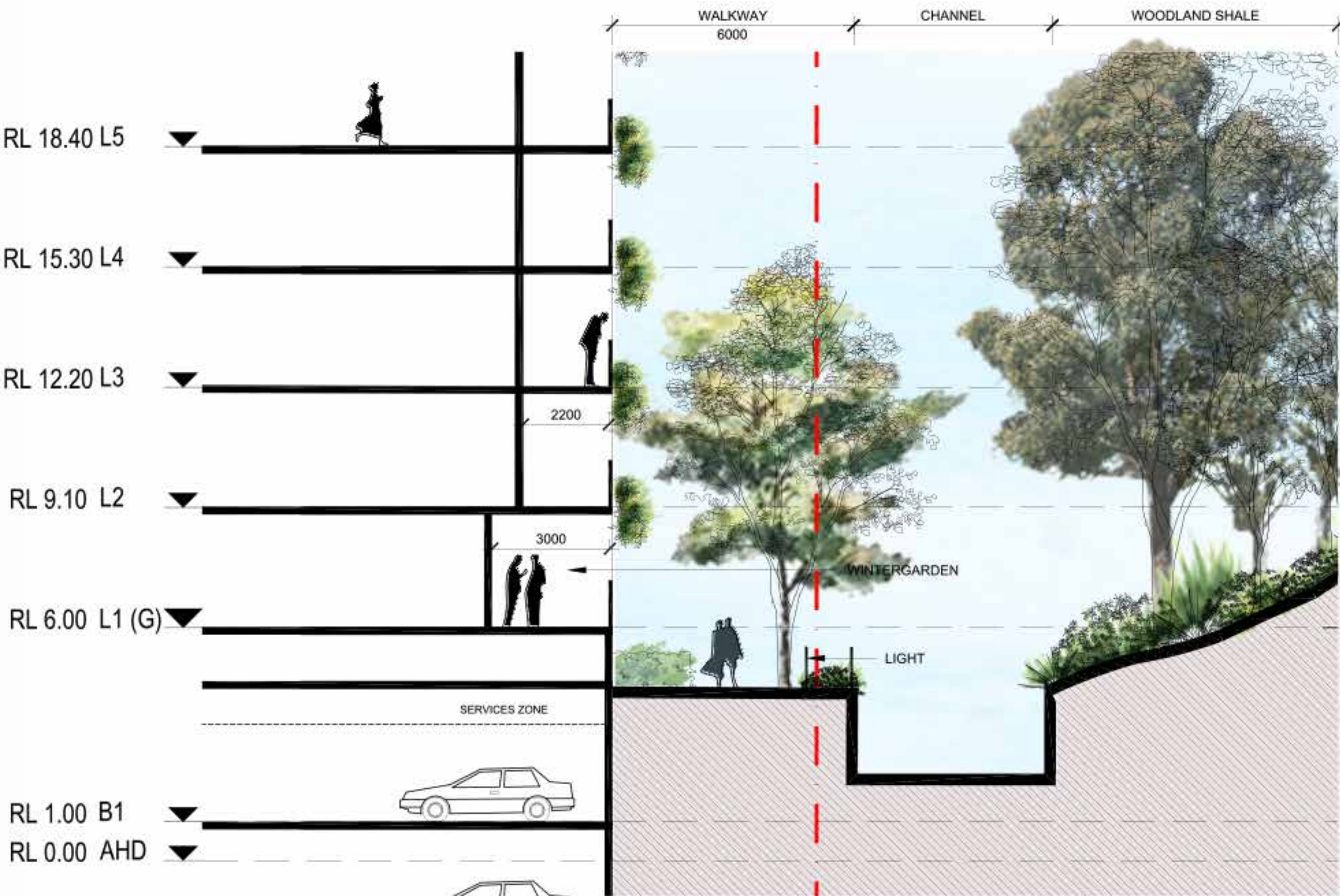


CONCEPT DA-EIS

COMMUNITY HEART - SECTION



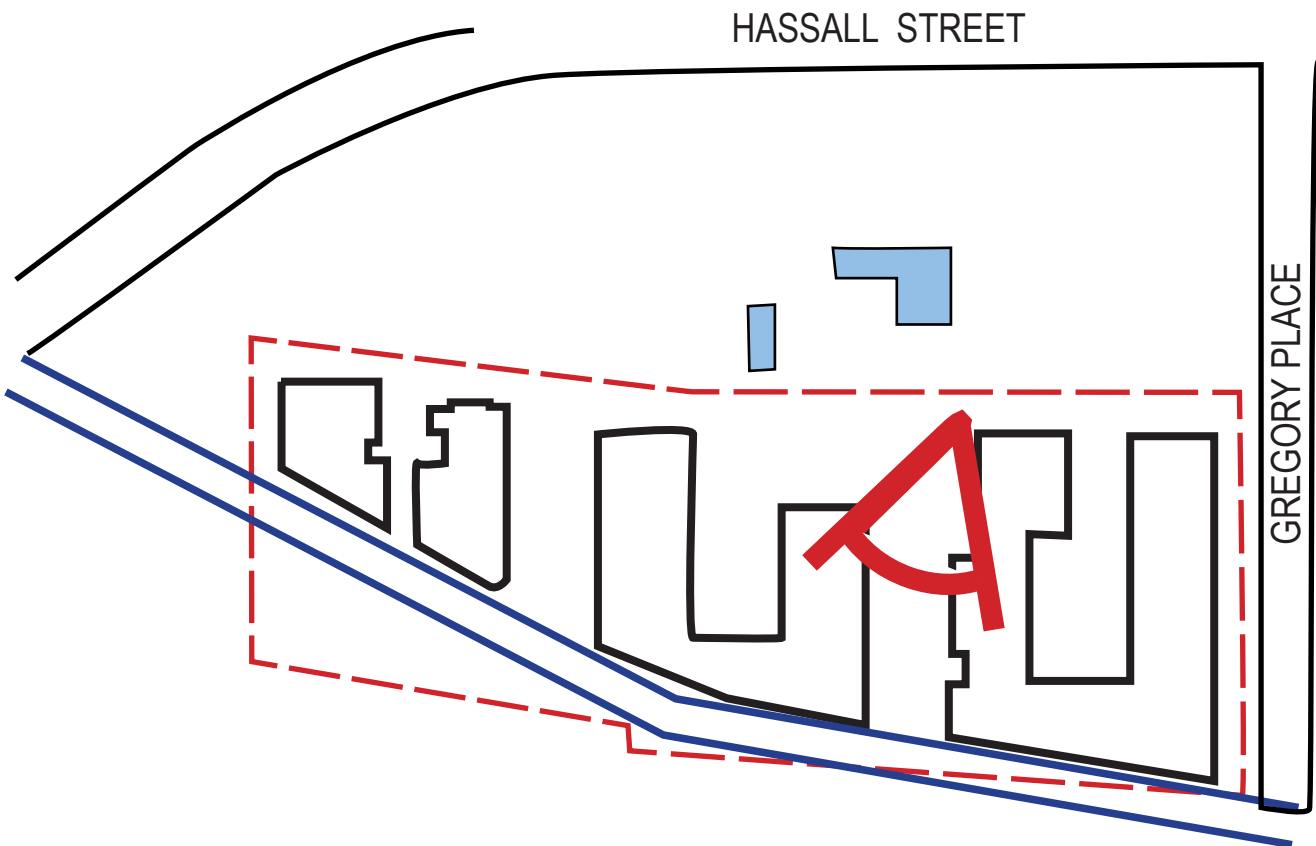
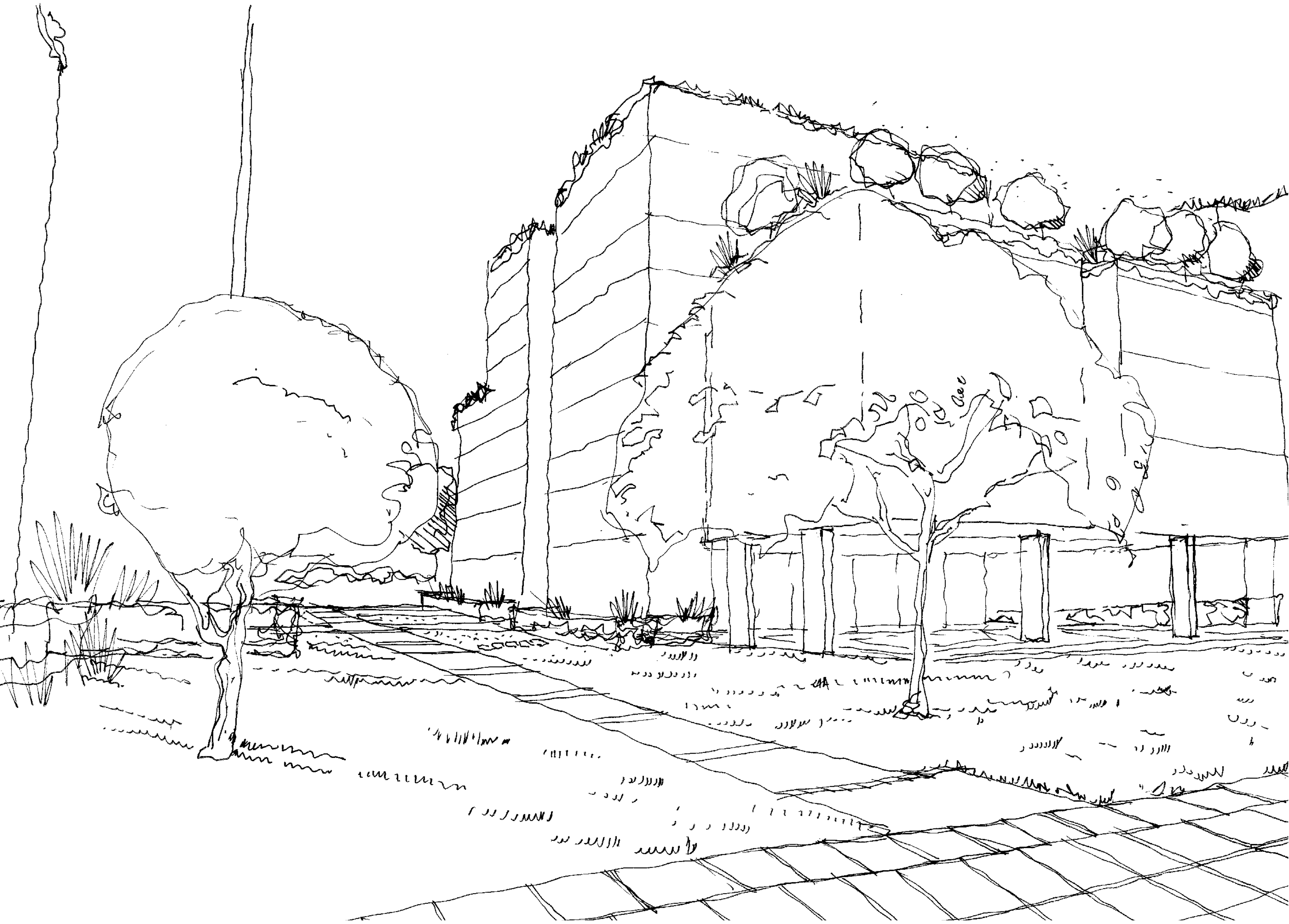
Typical Section CC - Public and Private Interface



Typical Section DD - Public and Private Interface along Clay Cliff Creek

CONCEPT DA-EIS

COMMUNITY HEART - 3D



CONCEPT DA-EIS

PLANTING CHARACTER - COMMUNITY HEART

Trees



Hymenosporum flavum



Lagerstromia sp.



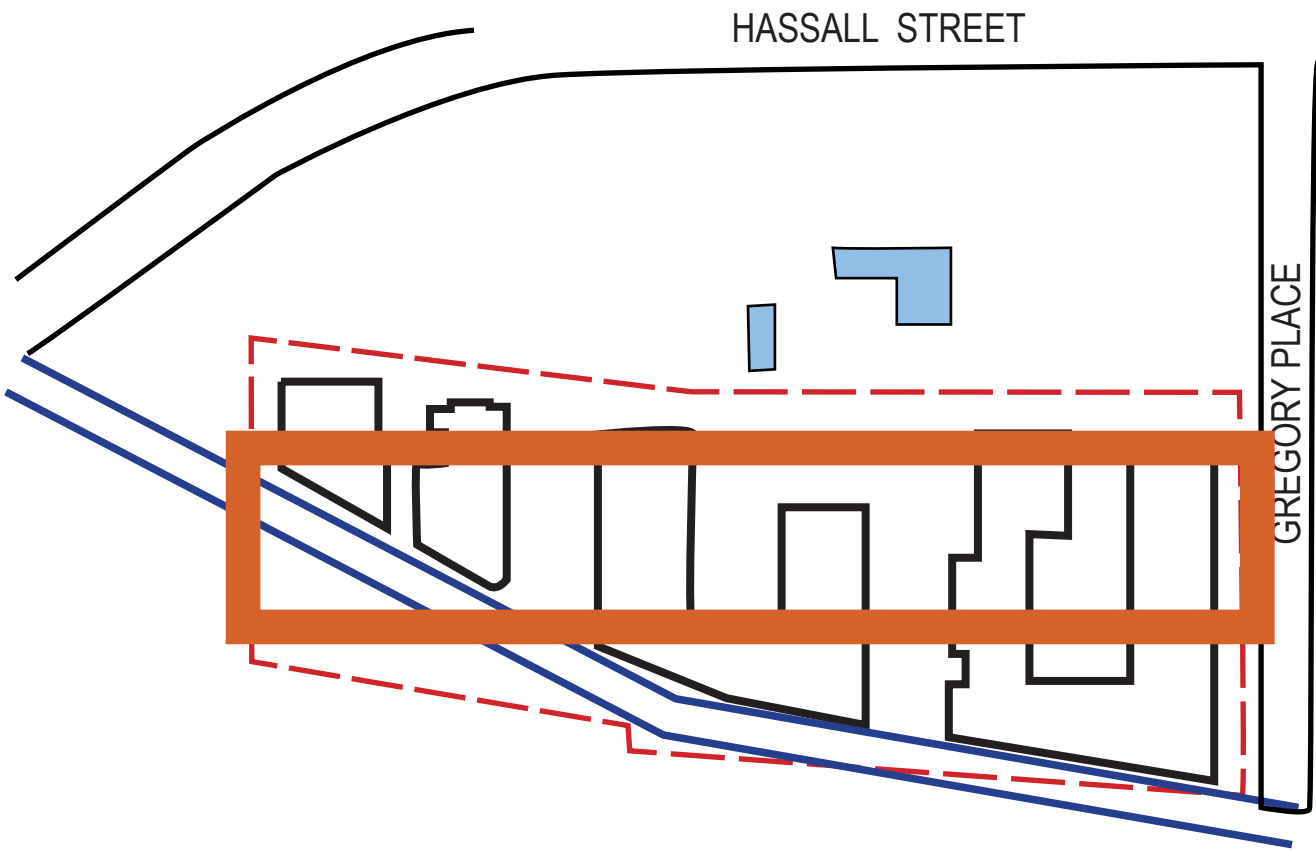
Cyathea cooperi



Magnolia grandifolia



Backhousia citriodora



Shrubs



Baeckea virgata



Doryanthes excelsa



Camellia sasanqua Yuletide



Correa alba



Bursaria spinosa



Boronia megastigma



Strelitzia reginae



Clerodendrum sp.



Acmena smithii



Breynia oblongifolia



Strobilanthes gossypinus



Chamelaucium Jambinu



Westringia mundii



Murraya paniculata

Groundcovers



Pandorea jasminoides



Wisteria sp.



Carpobrotus glaucescens



Hymenocallis sp.



Tulbaghia violacea



Mentha diemenica



Alpinia zerumbet

Community Heart Plant List

BOTANICAL NAME	COMMON NAME	HEIGHT (m)		
TREES				
Acacia parramattensis	Parramatta wattle	8	X	
Backhousia citriodora	Lemon Myrtle	8	X	
Cyathea cooperi	Tree Fern	6	X	
Hymenosporum flavum	Native Frangipani	10	X	
Macadamia tetraphylla	Macadamia	18		X
Melaleuca decora	Paperbark	10	X	
SHRUBS				
Mentha diemenica	Wild mint	1	X	
Baeckea virgata	Heath Myrtle	2	X	
Boronia megastigma	Brown Boronia	0.9	X	
Callistemon 'White Anzac'	Bottlebrush	1	X	
Canna 'Tropicanna Black'	Canna Lily	2		X
Chamelaucium jambinu	Jambini Zesat	1.5	X	
Correa alba	White Correa	1.5	X	
Doryanthes excelsa	Gymea Lily	4	X	
Escallonia 'Pink Pixie'	Pink Pixie	0.8		X
Euphorbia wulfenii	Euphorbia	1		X
Leptospermum 'Burgundy Queen'	Burgundy Tea Tree	2	X	
Leptospermum 'Pink Cascade'	Pink tea tree	0.8	X	
Loropetalum chinense	Chinese Fringe Flower	1.5		X
Pittosporum tobira 'Miss Muffet'	Miss Muffet	1		X
Prostanthera sp.	Mintbush	2	X	
Rosemary 'Blue Lagoon'	Rosemary	1.5		X
Strobilanthes gossypinus	Persian Shield	1.5		X
Syzygium 'Cascade'	Lilly Pilly	3	X	
Syzygium australe	Scrub Cherry	4	X	
Teucrium fruticans	Shrubby Germander	1		X
GROUNDCOVERS				
Baumea juncea	Bare Twig Rush	0.3	X	
Banksia spinulosa 'Birthday Candles'	Banksia	0.2	X	
Carex 'Evergold'	Evergold	0.3		X
Carpobrotus glaucescens	Pigface	0.1	X	
Festuca glauca	Blue Fescue	0.4		X
Ficinia nodosa	Knotted Club Rush	0.4	X	
Grevillea obtusifolia	Grevillea	0.5	X	
Lomandra 'Seascape'	Mat Rush	0.7	X	
Pandorea jasminoides	Bower Vine	CLIMBING	X	
Rosmarinus officinalis 'Prostrate'	Prostrate Rosemary	0.5		X
Tetragonia tetragonioides	Warrigal Greens	0.2	X	
Themeda australis	Kangaroo Grass	1	X	
Trachelospermum jasminoides	Star Jasmine	0.2		X
Tulbaghia violacea	Society Garlic	0.5		X
Viola hederacea	Native Violet	0.1	X	
Westringia mundii	Coastal Rosemary	0.4	X	

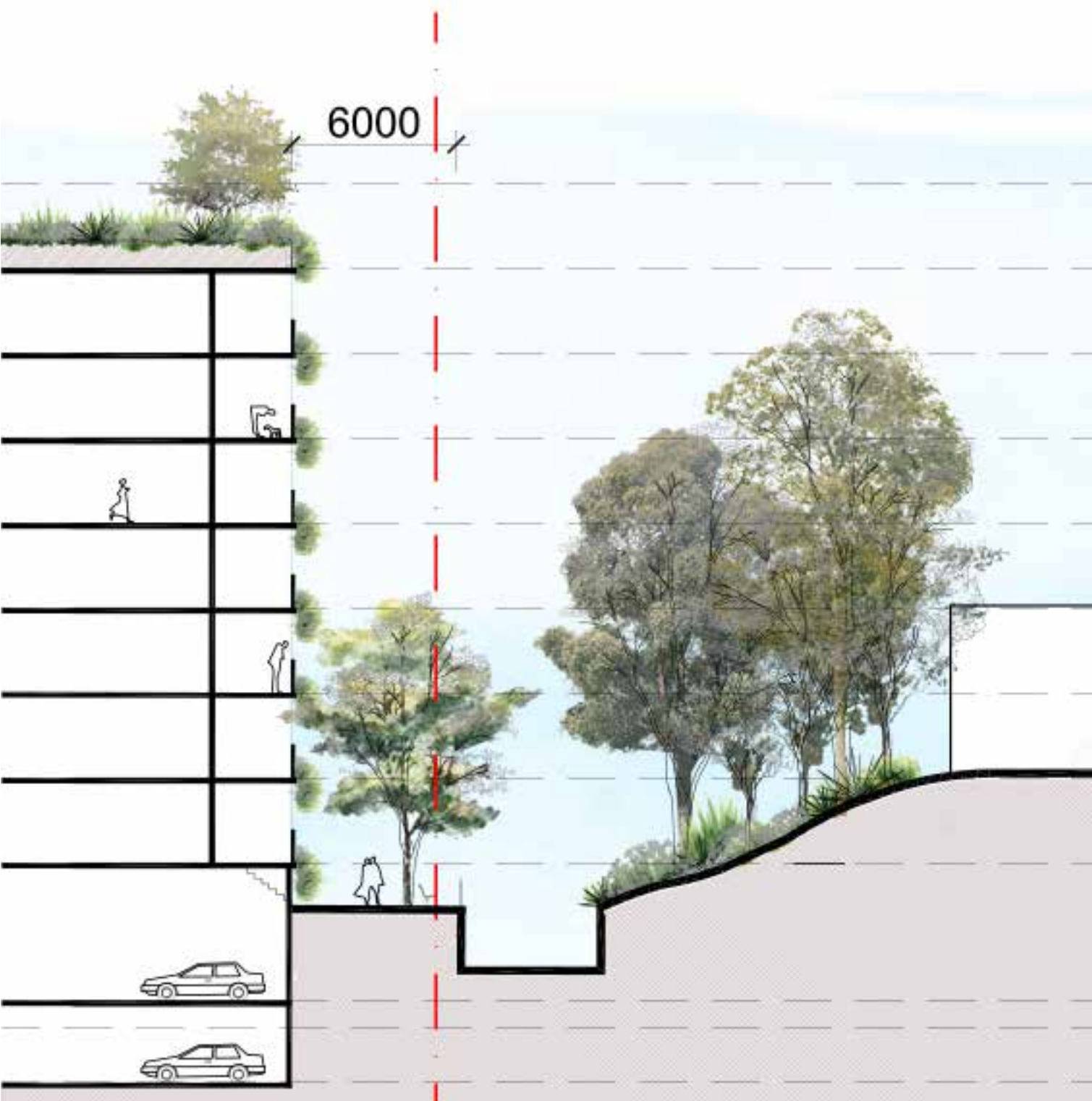


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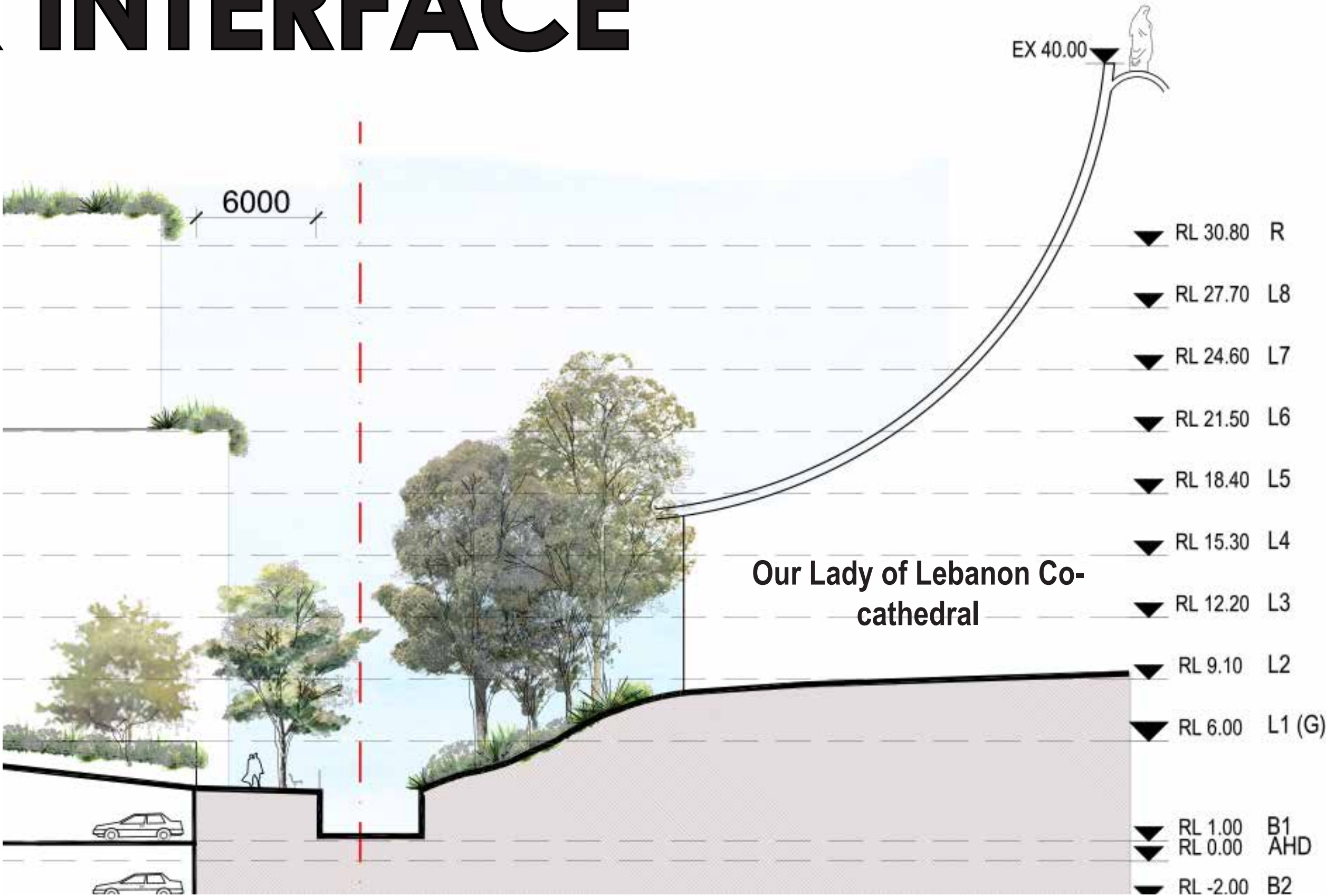


CONCEPT DA-EIS

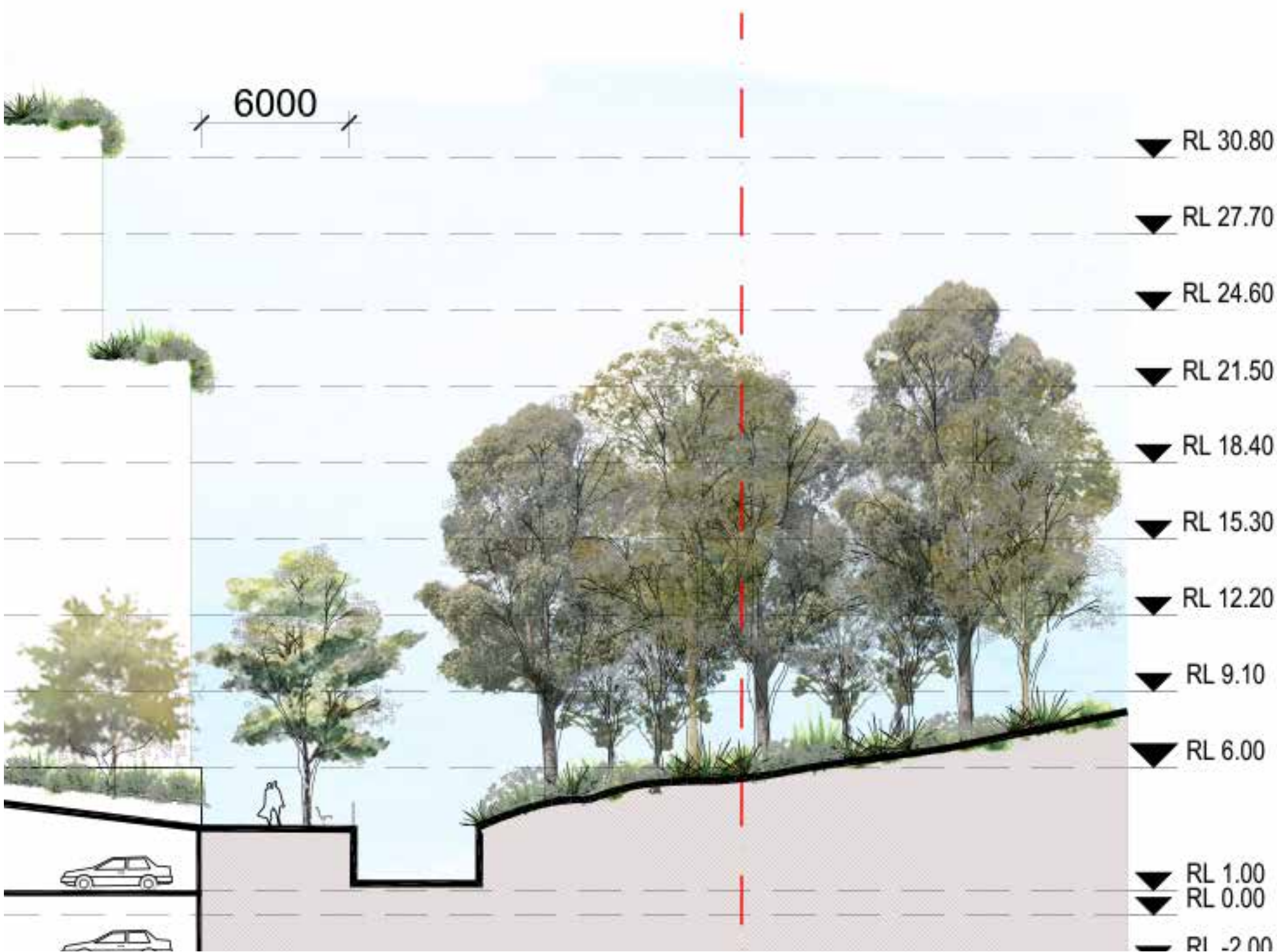
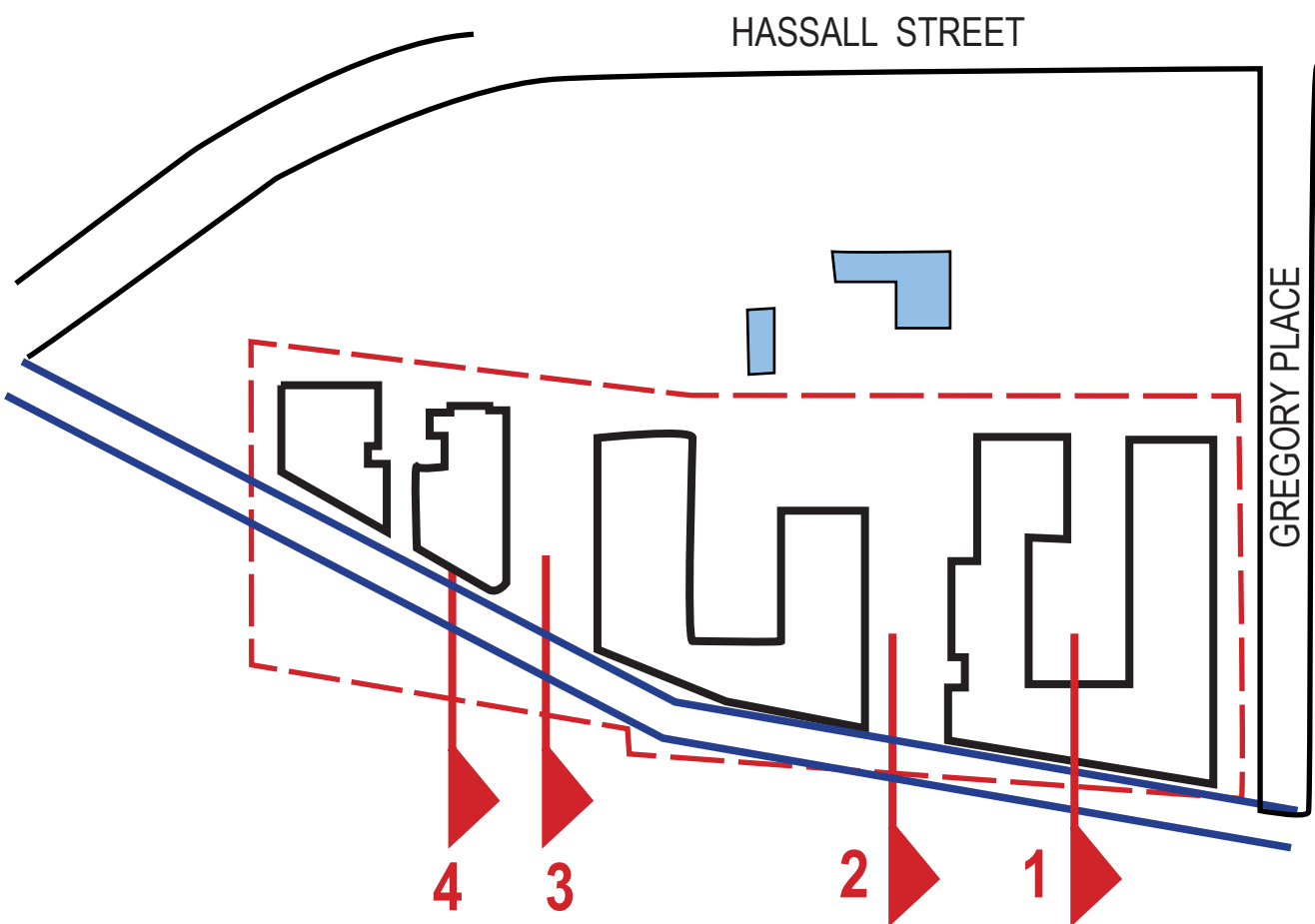
CLAY CLIFF CREEK INTERFACE



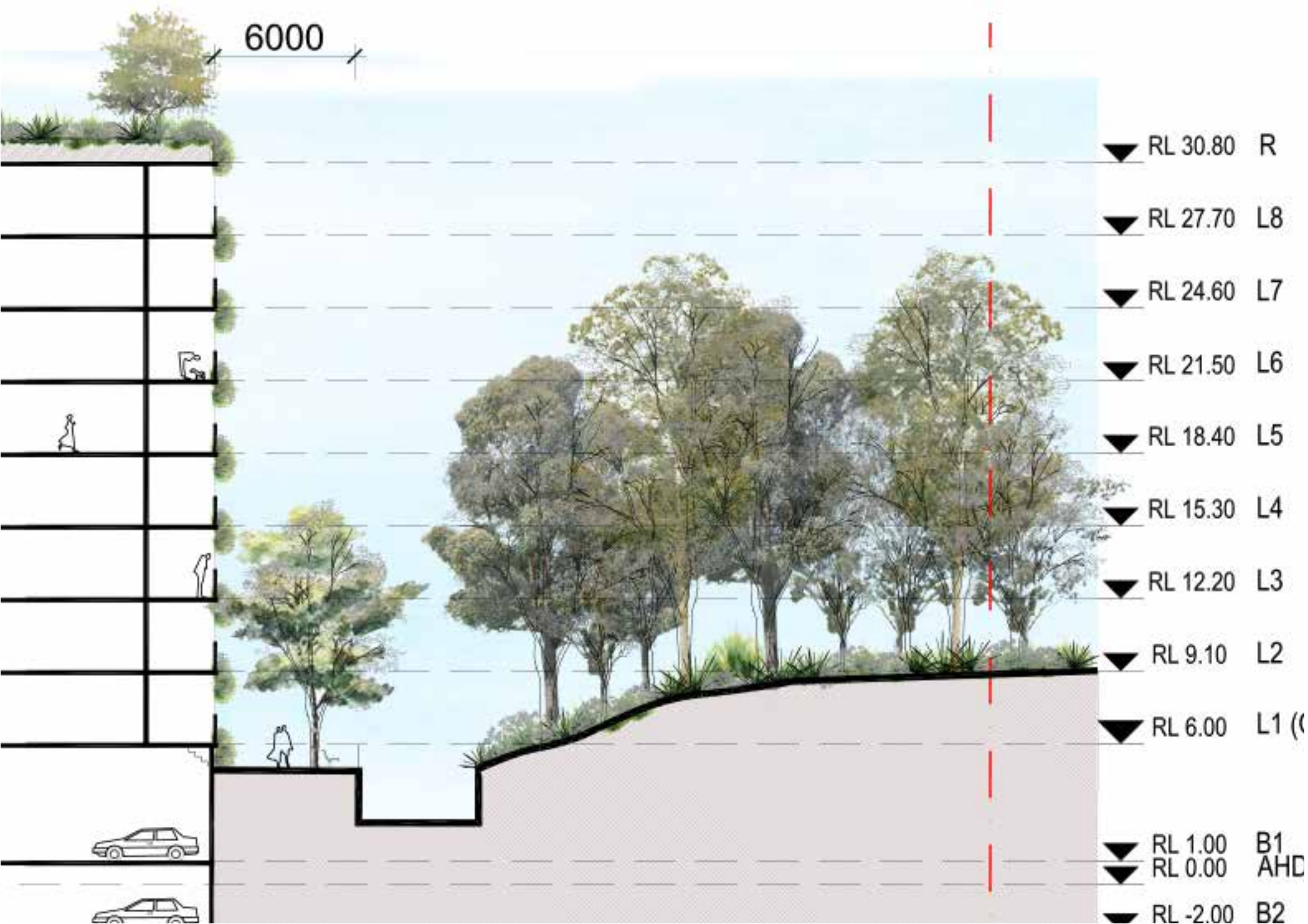
Section 1 - Clay Cliff Creek Interface



Section 2 - Clay Cliff Creek Interface



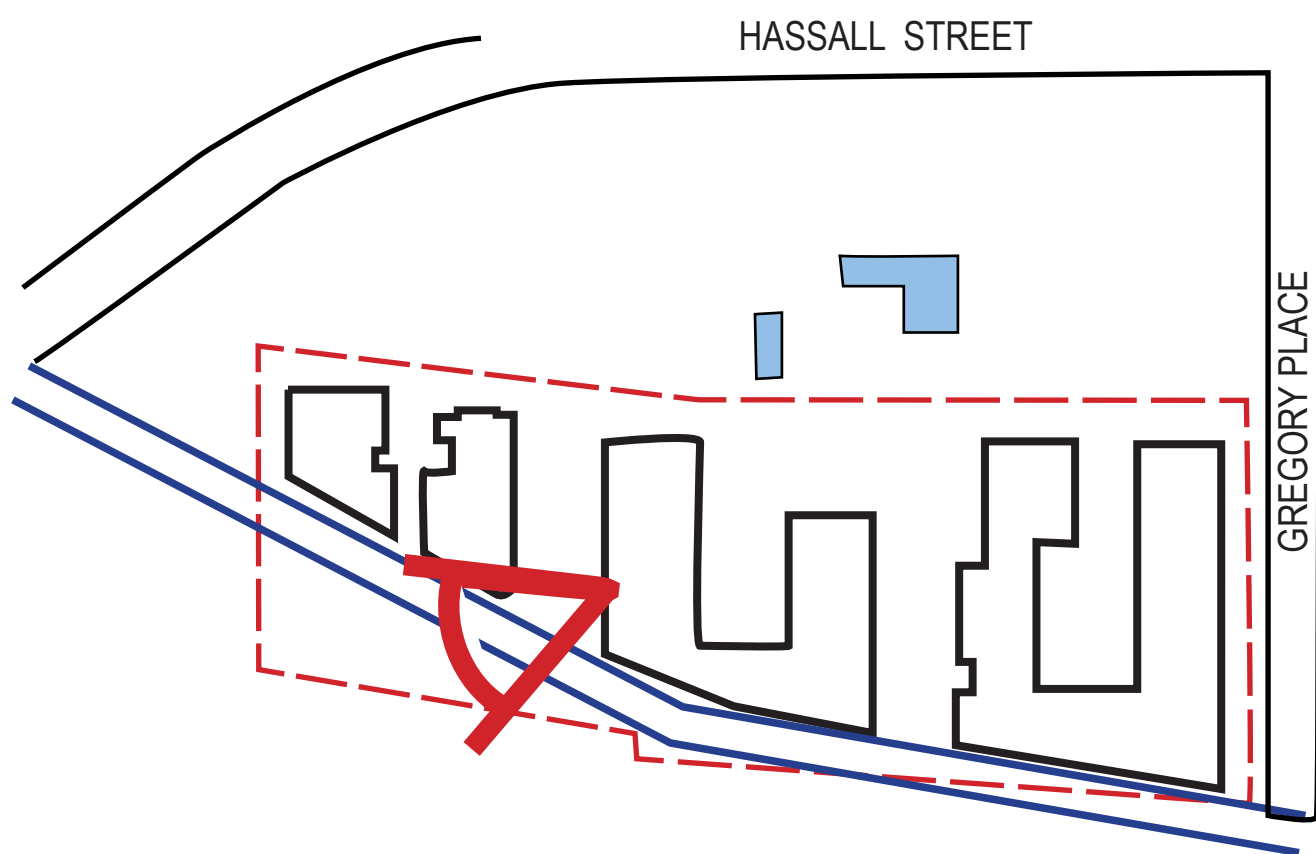
Section 3 - Clay Cliff Creek Interface



Section 4 - Clay Cliff Creek Interface

CONCEPT DA-EIS

CREEK - 3D



CONCEPT DA-EIS

PLANTING CHARACTER - CREEK

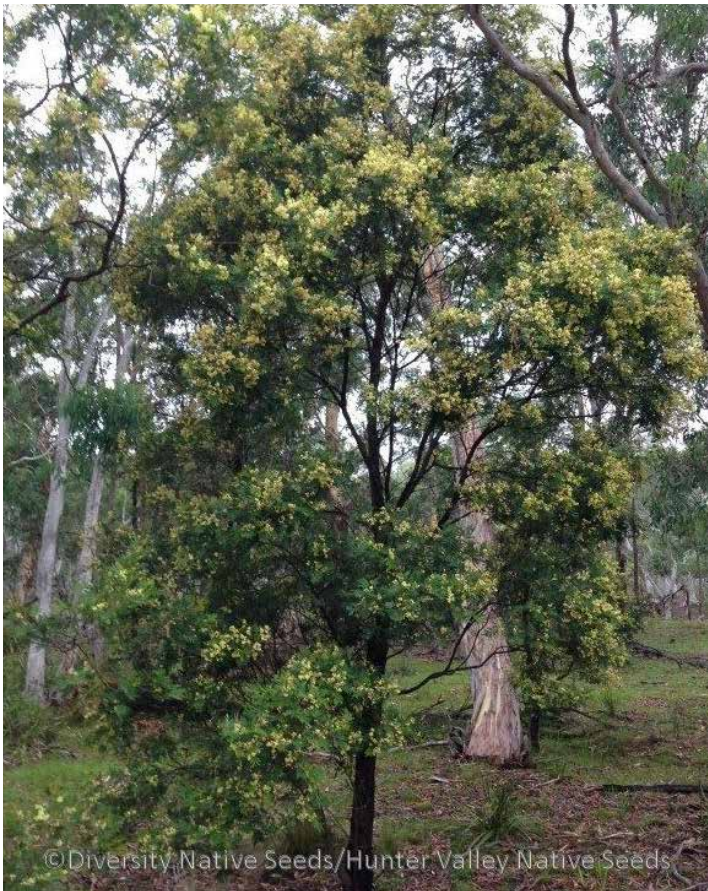
Trees



Eucalyptus eugenioides



Hymenosporum flavum



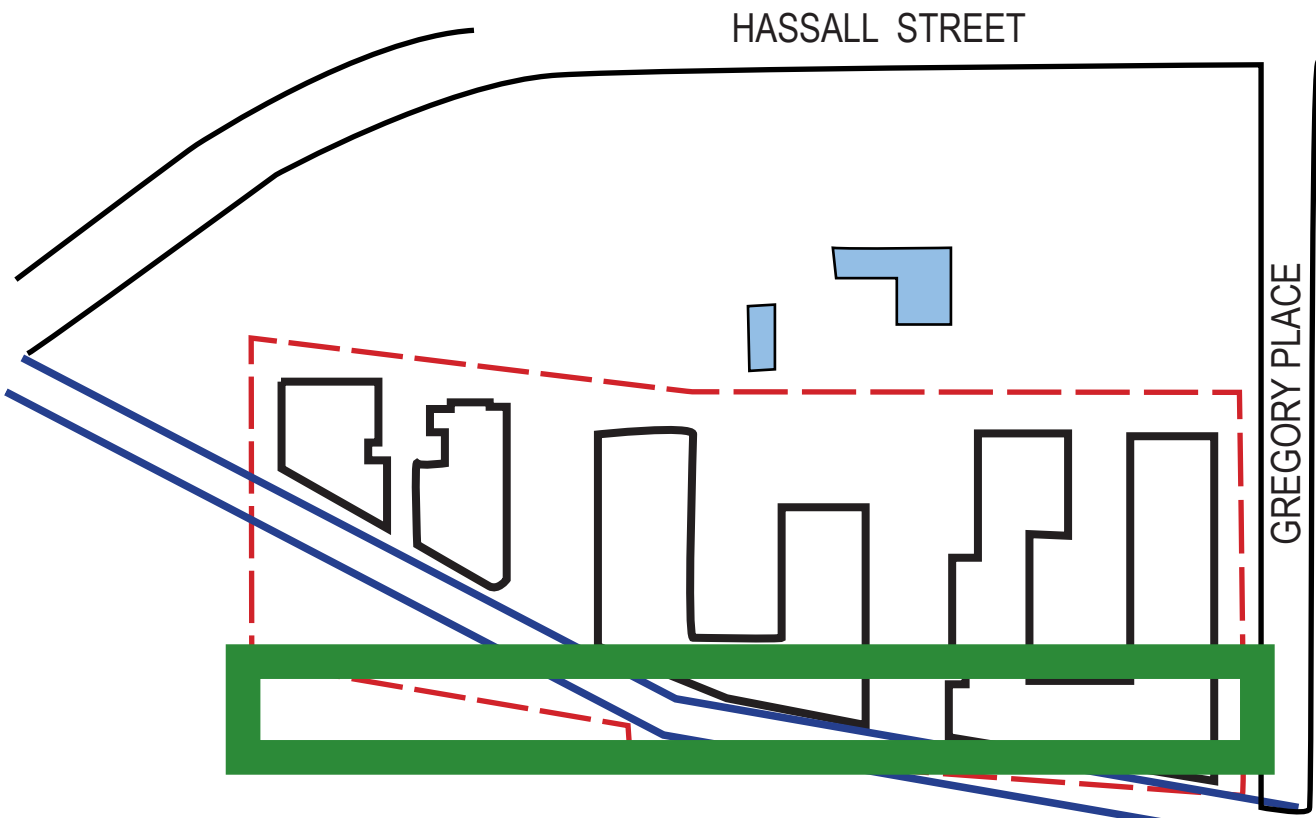
Acacia parramattensis



Corymbia citriodora



Cyathea copperi



Shrubs



Daviesia ulicifolia



Banksia sp.



Acacia falcata



Correa alba



Acacia parramattensis



Baeckea virgata



Doryanthes excelsa



Clerodendrum sp.



Acmena smithii



Breynea oblongifolia



Prostanthera sp.



Tasmannia lanceolata



Rubus rosifolius



Syzygium australe

Groundcovers



Lomandra filiformis



Grevillea obtusifolia



Viola hederacea



Carpobrotus glaucescens



Westringia mundii



Mentha diemenica



Baumea juncea

Creek Plant List

BOTANICAL NAME	COMMON NAME	HEIGHT (m)	
TREES			
<i>Acacia decurrens</i>	Black Wattle	12	X
<i>Acacia implexa</i>	Hickory Wattle	10	X
<i>Acacia parramattensis</i>	Parramatta wattle	8	X
<i>Eucalyptus crebra</i>	narrow-leaved ironbark	35	X
<i>Eucalyptus eugenioides</i>	thin-leaved stringybark	25	X
<i>Eucalyptus fibrosa</i>	Red Ironbark	35	X
<i>Eucalyptus moluccana</i>	Grey Box	30	X
<i>Eucalyptus tereticornis</i>	Forest Red Gum	30	X
<i>Exocarpos cupressiformis</i>	native cherry	8	X
<i>Melaleuca decora</i>	Paperbark	10	X
SHRUBS			
<i>Acacia falcata</i>	Sickle Wattle	5	X
<i>Baeckea virgata</i>	Heath Myrtle	2	X
<i>Boronia megastigma</i>	Brown Boronia	0.9	X
<i>Breynea oblongifolia</i>	Coffee Bush	3	X
<i>Bursaria spinosa</i>	Blackthorn	4	X
<i>Callistemon 'White Anzac'</i>	Bottlebrush	1	X
<i>Chamelaucium jambinu</i>	Jambini Zesat	1.5	X
<i>Correa alba</i>	White Correa	1.5	X
<i>Daviesia ulicifolia</i>	gorse bitter pea	2	X
<i>Dillwynia sieberi</i>	Prickly Parrot Pea	2	X
<i>Dodonaea viscosa subsp. cuneata</i>	wedge-leaf hop-bush	3	X
<i>Mentha diemenica</i>	Wild mint	1	X
GRASSES & GROUNDCOVERS			
<i>Baumea juncea</i>	Bare Twig Rush	0.3	X
<i>Cymbopogon refractus</i>	Barbed wire Grass	1	X
<i>Dichelachne micrantha</i>	Plume Grass	0.4	X
<i>Ficinia nodosa</i>	Knotted Club Rush	0.4	X
<i>Grevillea obtusifolia</i>	Grevillea	0.5	X
<i>Kunzea pomifera</i>	Muntrie	0.4	X
<i>Lomandra 'Seascape'</i>	Mat Rush	0.7	X
<i>Lomandra filiformis</i>	Wattel Mat-Rush	0.5	X
<i>Microlaena stipoides</i>	Weeping Grass	0.3	X
<i>Pandorea jasminoides</i>	Bower Vine	CLIMBING	X
<i>Themeda triandra</i>	Kangaroo Grass	1.5	X
<i>Viola hederacea</i>	Native Violet	0.1	X
<i>Westringia mundii</i>	Coastal Rosemary	0.4	X

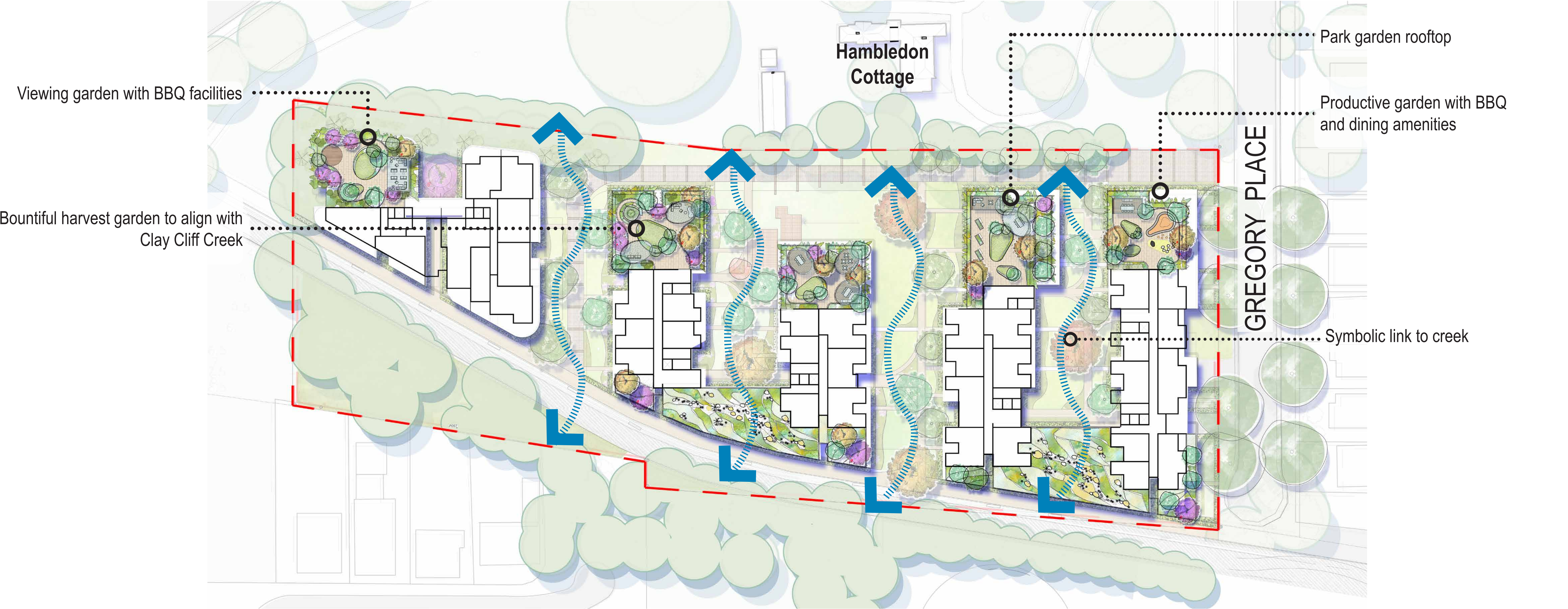


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CONCEPT DA-EIS

ROOFTOP TERRACE

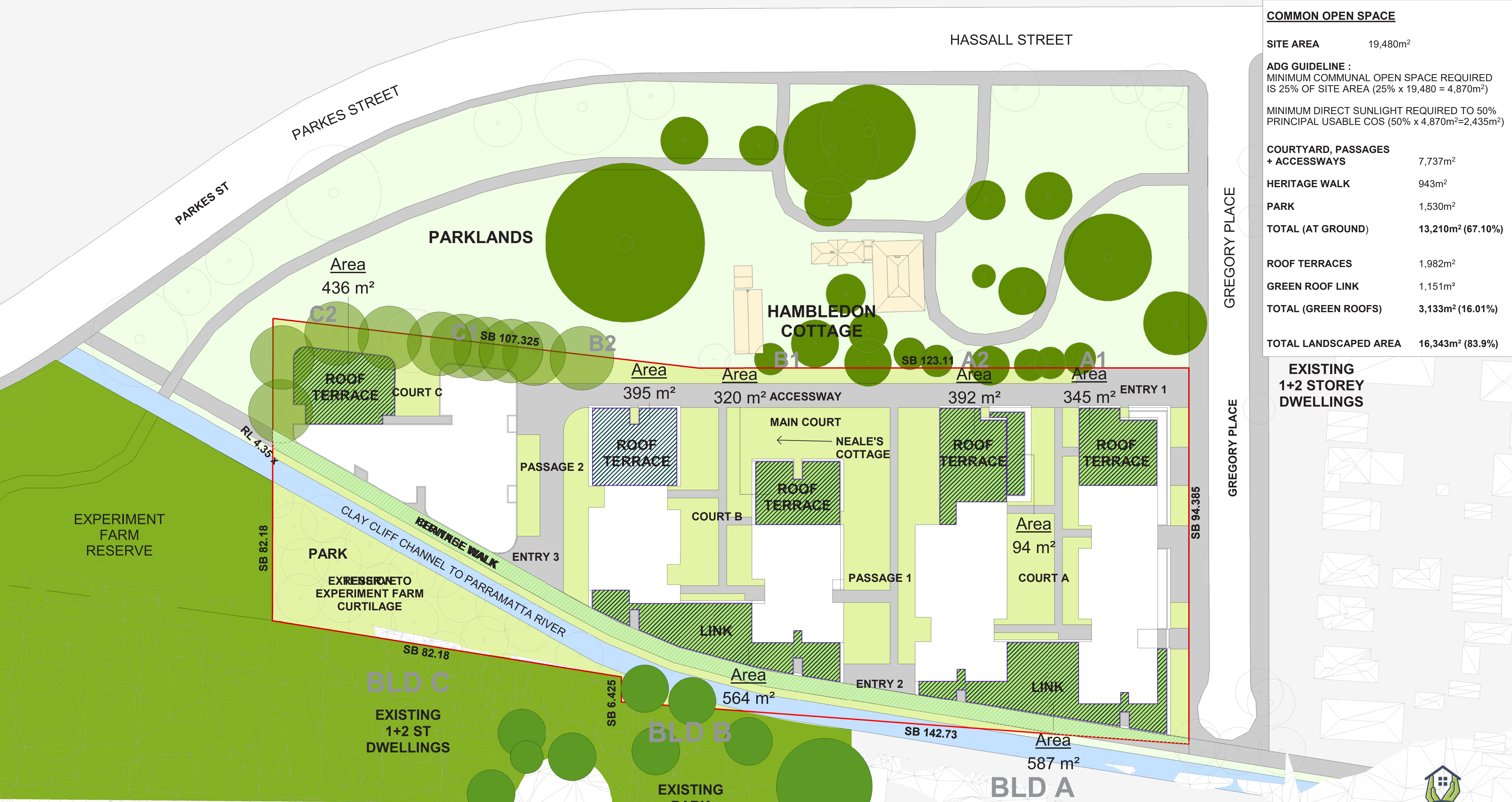


South Eveleigh Native Rooftop Farm
Image source Yerrabingin



CONCEPT DA-EIS

COMMUNAL OPEN SPACE DIAGRAM



COMMON OPEN SPACE	
SITE AREA	19,480m ²
ADG GUIDELINE : MINIMUM COMMUNAL OPEN SPACE REQUIRED IS 25% OF SITE AREA (25% x 19,480 = 4,870m ²)	
MINIMUM DIRECT SUNLIGHT REQUIRED TO 50% PRINCIPAL USABLE COS (50% x 4,870m ² =2,435m ²)	
COURTYARD, PASSAGES + ACCESSWAYS	7,737m ²
HERITAGE WALK	943m ²
PARK	1,530m ²
TOTAL (AT GROUND)	13,210m ² (67.10%)
ROOF TERRACES	1,982m ²
GREEN ROOF LINK	1,151m ²
TOTAL (GREEN ROOFS)	3,133m ² (16.01%)
TOTAL LANDSCAPED AREA	16,343m ² (83.9%)



CONCEPT DA-EIS

SHADOW DIAGRAM - WINTER SOLSTICE



- legend
- 1. EXPERIMENT FARM RESERVE
 - 2. EXPERIMENT FARM
 - 3. EXISTING 2 + 3 STOREY HOUSES
 - 4. EXISTING POCKET PARK LAWN
 - 5. FENCED SLOPING AREA - NO ACCESS
 - 6. OLOL
 - 7. CARPARK
 - 8. EXISTING PARK + HERITAGE WALK
 - 9. 1 + 2 STOREY HOUSES
 - 10. HAMBLEDON COTTAGE
 - 11. CHANNEL WALK

CONCEPT DA-EIS

SHADOW DIAGRAM - SUMMER SOLSTICE



1 WINTER SOLSTICE 1300
1:1000



2 WINTER SOLSTICE 1400
1:1000



3 WINTER SOLSTICE 1500
1:1000

- Legend
1. EXPERIMENT FARM RESERVE
 2. EXPERIMENT FARM
 3. EXISTING 2 + 3 STOREY HOUSES
 4. EXISTING POCKET PARK LAWN
 5. FENCED SLOPING AREA - NO ACCESS
 6. OLOL
 7. CARPARK
 8. EXISTING PARK + HERITAGE WALK
 9. 1 + 2 STOREY HOUSES
 10. HAMBLEDON COTTAGE
 11. CHANNEL WALK

Summary

1. No shadow between on pocket park between 9.00am-3.00pm.
2. No shadow on heritage park between 9.00am-2.30pm.
3. No shadow on Experiment Farm between 9.00am to 3.00pm.
4. No shadow on private open space of dwellings to east of Gregory Place between 9.00am-2.45pm

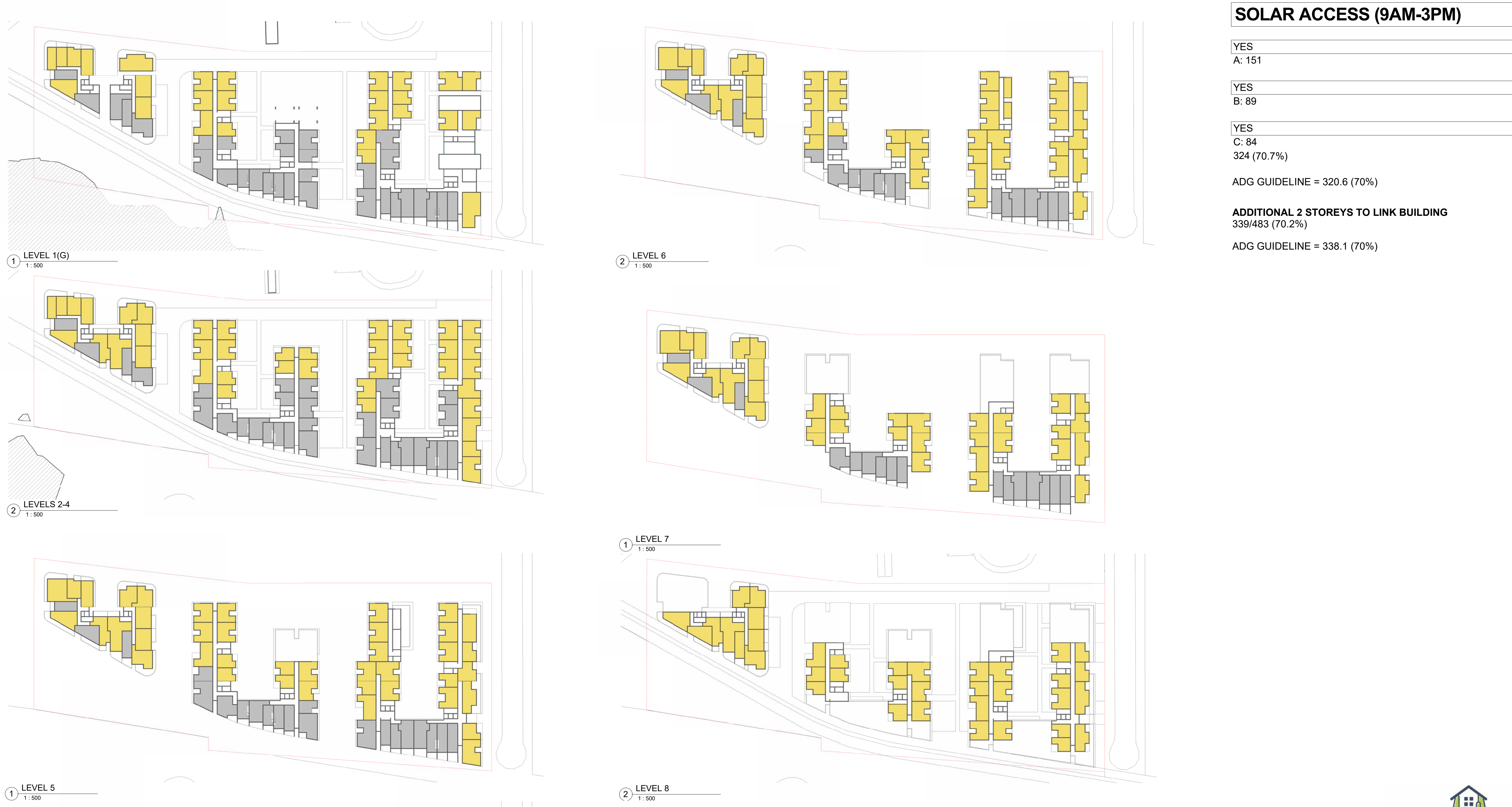


Pacific Community Housing[®]
PROMOTING AND PROVIDING ACCESS TO SAFE
AND SECURE AFFORDABLE HOUSING



CONCEPT DA-EIS

SOLAR ACCESS



CONCEPT DA-EIS

NATURAL CROSS VENTILATION



NATURAL CROSS VENTILATION

YES
A: 131

YES
B: 106

YES
C: 67
304 (65.1%)

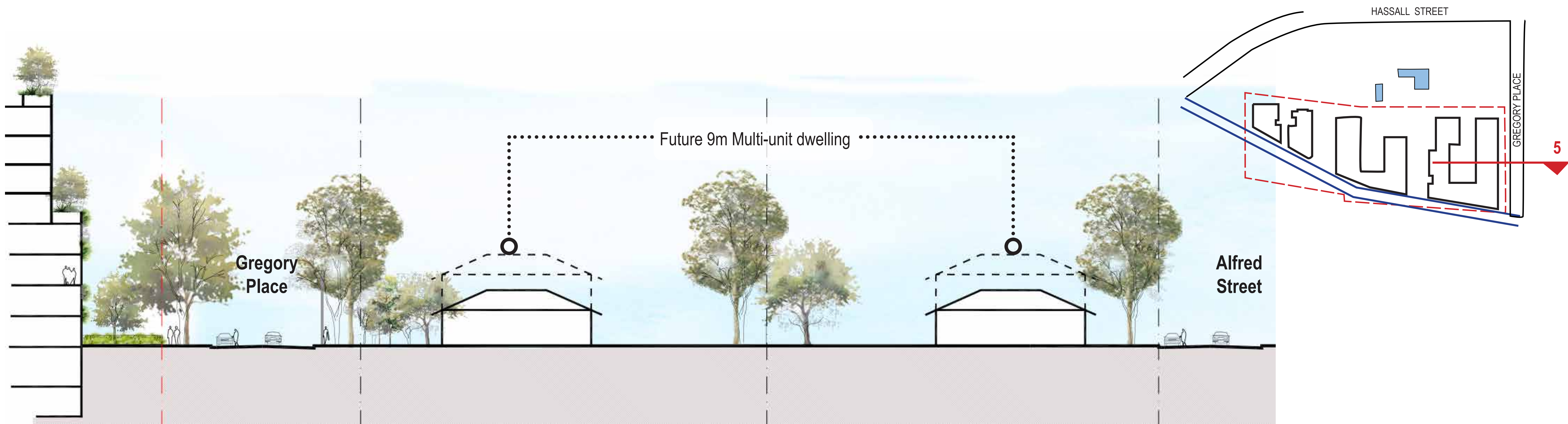
ADG GUIDELINE = 274.8 (60%)

ADDITIONAL 2 STOREYS TO LINK BUILDING
306/483 (63.4%)

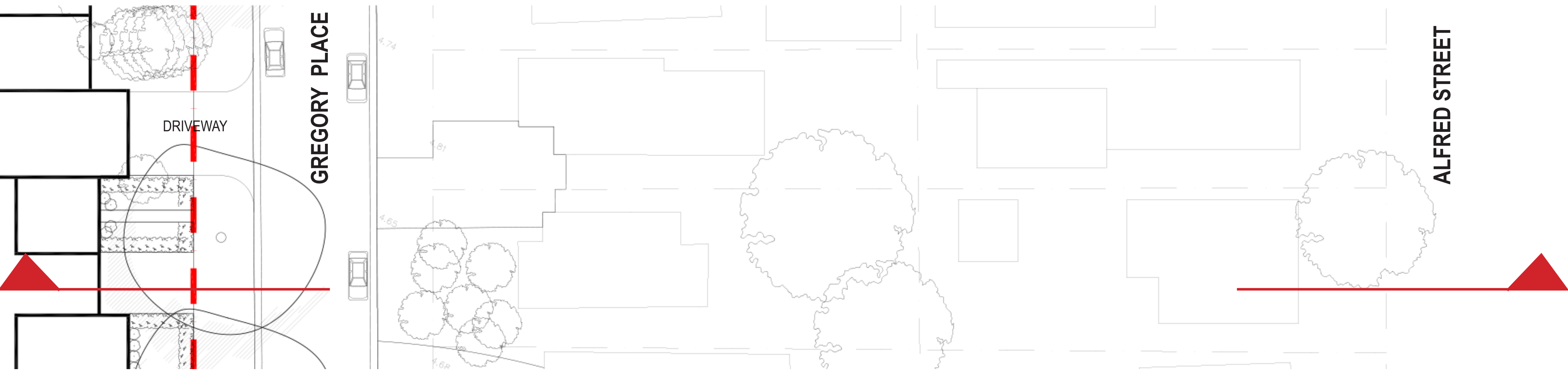
ADG GUIDELINE = 289.8 (60%)

CONCEPT DA-EIS

TRANSITION AND COMPATIBILITY



Section 5 - Gregory Place Interface



Plan - Gregory Place Interface

Gregory Place, Harris Park

CONCEPT DA EIS



Illustration of Aerial view from the North East
By Mark Gerada Artist