

We respectfully acknowledge the Traditional Custodians of the lands where we live and work. We acknowledge their unique ability to care for Country and deep spiritual connection to it. We honour Elders past, present and emerging whose knowledge and wisdom has and will ensure the continuation of cultures and traditional practices.

Rev B	Issued 10 August 2022	Authorised by MB
Rev C	Issued 16 August 2022	Authorised by MB
Rev D	Issued 18 August 2022	Authorised by MB
Rev E	Issued 31 August 2022	Authorised by MB
Rev F	Issued 01 September 2022	Authorised by AL
Rev G	Issued 09 September 2022	Authorised by AL
Rev H	Issued 16 September 2022	Authorised by AL
Rev I	Issued 21 September 2022	Authorised by AL

60 Hudson Pde, Claireville | Development Application

Executive Summary

This concept design has been prepared on behalf of Oliver & Nicola Hartley, in support of alterations and additions to the existing house in Avalon Beach, NSW, 2107.

Arcadia's approach to the concept design has been guided by a series of key drivers to deliver a bushland setting to compliment the existing character of the site inclusive of native mature trees, sandstone features and the Clareville beach waterfront. The design will align with the vision to:

- Make is sustainable
- Make it local
- Make it low maintenance
- Maximise feeling of tranquillity

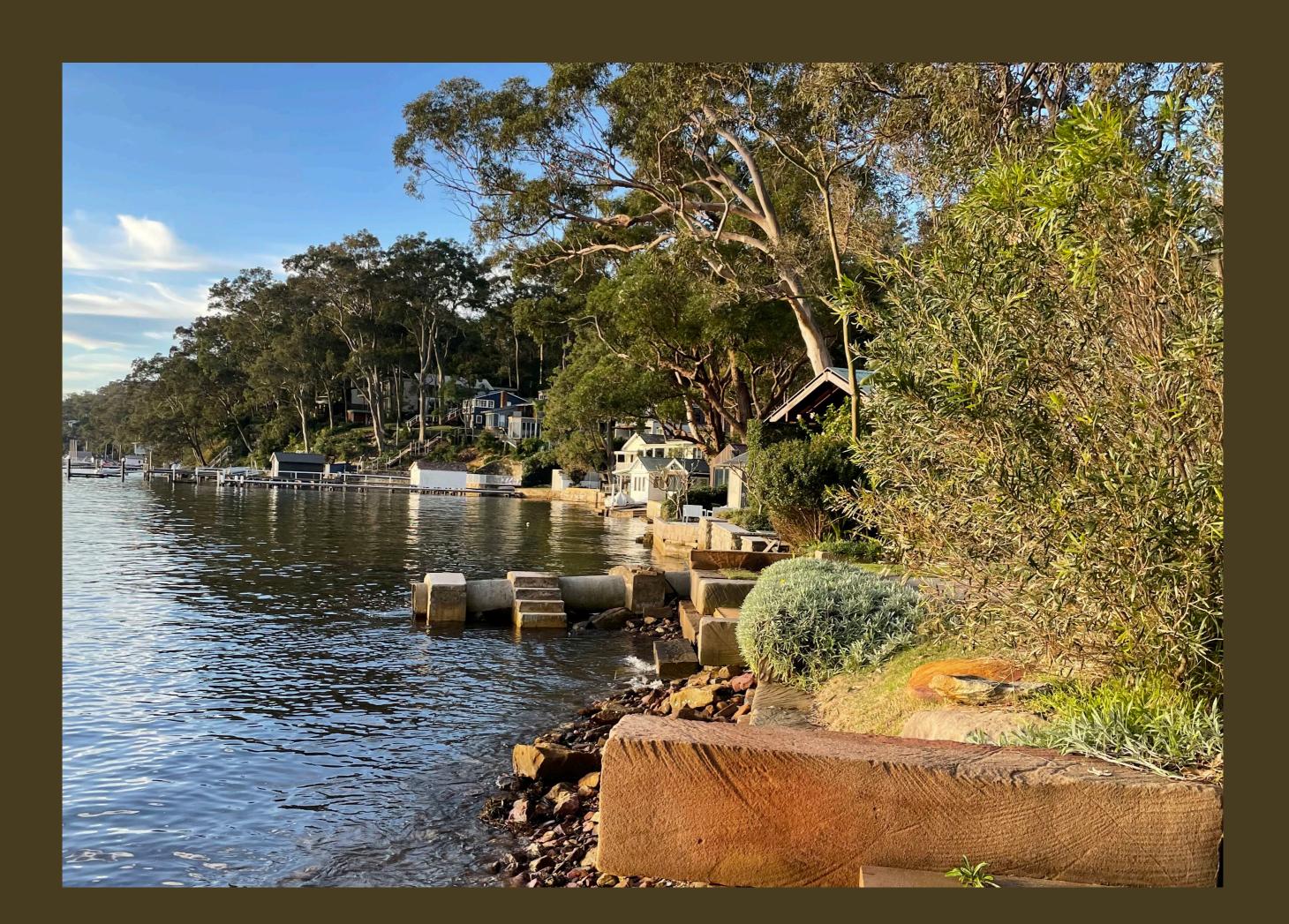
At completion, the proposal will reactivate the site as an idyllic retreat nestled within a bushland and waterfront setting.

Contents

SECTION 01 LANDSCAPE VISION	04	Planting Palette 6: Swale	32
Connection to Country	05		
Regional Context	06		
Site Appreciation	07		
Surrounding Vegetation	07		
Site Appreciation Shale Slopes	80		
Site Appreciation Pittwater & Wagstaffe			
Spotted Gum Forest	09		
Site Analysis Microclimate	10		
Site Analysis Topography & Existing Trees	11		
SECTION 02 LANDSCAPE APPROACH	12		
WATER COUNTRY	13		
Landscape Principles	14		
Site Principles Sandstone story	15		
Site Masterplan	16		
Site Imagery Landscape Arrival	17		
Site Plan Landscape Arrival	18		
Site Imagery Pool + Internal Courtyard	19		
Site Plan Pool + Internal Courtyard	20		
Site Program Lower Landscape	21		
Site Plan Lower Landscape	22		
Site Plan Finishes palette	23		
Site Sections Concept	24		
Site Sections Concept	25		
Site Sections Concept	26		
Site Sections Concept	27		
Planting Palette 1: Entry Garden	28		
Planting Palette 2: Internal Courtyard	29		
Planting Palette 3: Lower Ground	30		
Planting Palette 4,5	31		

60 Hudson Pde, Clareville | Development Application



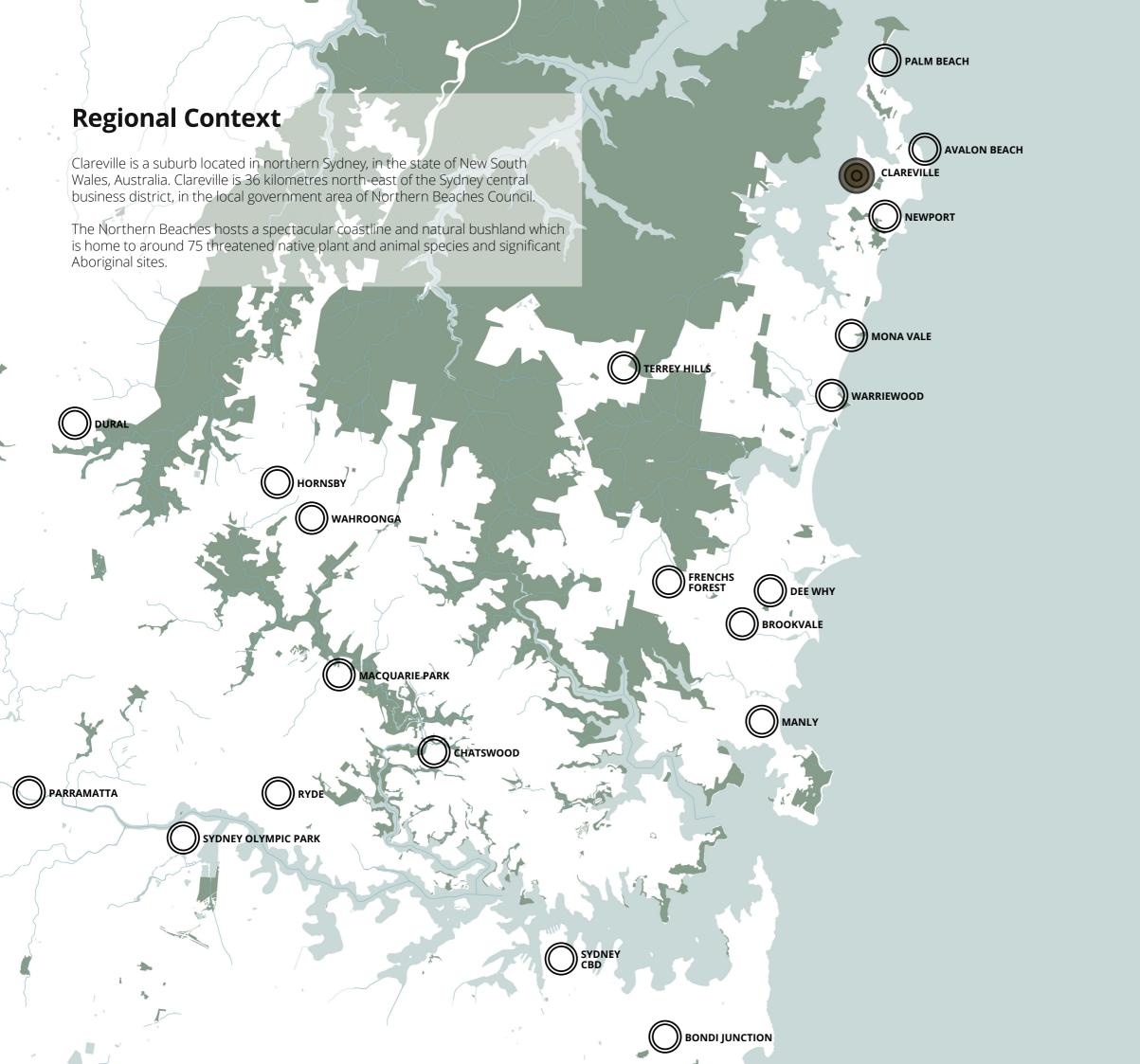


Connection to Country

The Garigal Aboriginal Clan of the Guringai (Kuring-gai) Language group has inhabited and cared for the lands we now refer to as 'Northern Beaches'. Pittwater, located within the Warringah area, meaning sign of rain, across the waves and sea. (Northern Beaches Council)

For tens of thousands of years, Aboriginal people have belonged to and taken care of the lands of the Northern Beaches, created community and shared their rich cultural heritage with the generations of migrants, visitors and tourists who have made their way to the area. (Northen Beaches Arts and Creativity Strategy, 2021.)

"By nature, Aboriginal cultural heritage is multi-faceted: it consists not only of tangible structures and objects of value for scientific investigations, but also of a deeply complex array of intangible expressions, such as stories, memories, and traditions."

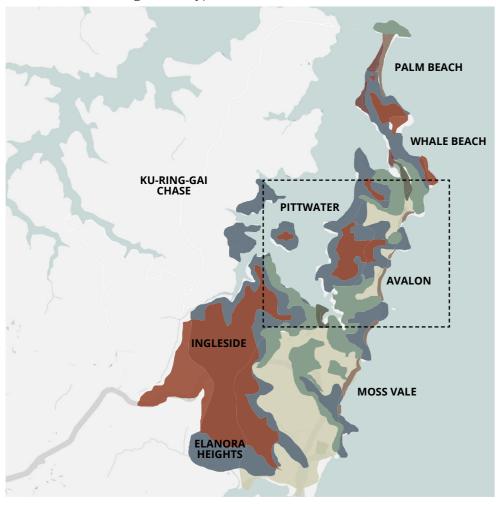


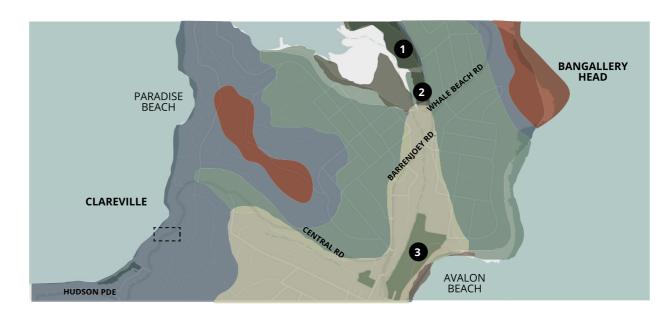
Site Appreciation

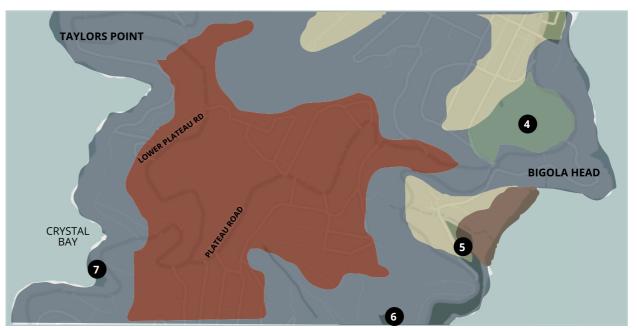
Surrounding Vegetation

Pittwater area has a unique scenic character and provides a wide variety of habitats for many native plants and animals. From the beautiful bushland of coastal heaths, eucalypt woodlands and distinctive Spotted Gum forests, subtropical rainforests of Cabbage Tree Palms to the Swamp Mahogany Forest in the valleys and wetlands.

The site area is located within the 'Shale Slopes' vegetation type, and is surrounded by the likes of 'Lowlands, Rolling Hills & Lower Shale Slopes and Sandstone Crest' vegetation types.

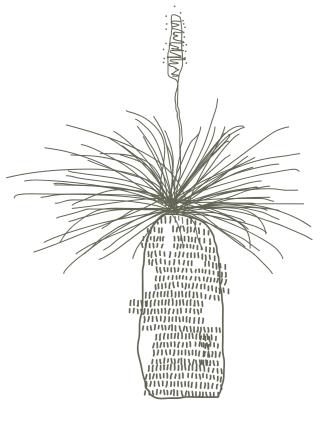






KEY

- 1 CAREEL BAY OVALS
- 2 HITCHCOCK PARK
- 3 DES CREAGH RESERVE
- 4 AVALON GOLF COURSE
- 5 ERIC GREEN RESERVE
- 6 PORTER RESERVE
- 7 FLORENCE PARK





ROLLING HILLS & LOWER SHALE SLOPES

LOWLANDS

SHALE SLOPES

COASTAL PLAINS

TIDAL FLATS

BEACH & DUNES

SANDSTONE CRESTS

Site Appreciation Shale Slopes

Shale Slopes are usually steep slopes which either occur below the Hawkesbury Sandstones, or have Narrabeen Shales and sandstones as the parent material. They generally support open forest communities.

The plant species known in these areas require little maintenance once established, and also provide habitat for native animals, including koalas, possums and gliders, bats, parrots, nomadic honeyeaters and smaller insectivorous birds such as blue wrens, firetails and pardalotes. By providing native habitats in our gardens we are helping to conserve the biodiversity of Pittwater and assisting the natural ecosystem to remain functional.

Common Name	Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name
TREES		SHRUBS		HERBS, CLIMBERS, GRASSES & SCRAMBLERS	
Black She-oak	Allocasuarina littoralis	Matchheads	Comesperma ericinum	Appleberry	Billardiera scandens
Forest Oak	Allocasuarina torulosa	Hop Bush	Dodonaea triquetra	Barbed Wire Grass	Cymbopogon refractus
Sydney Red Gum/ Smooth-barked Apple	Angophora costata	Pink Spider Flower	Grevillea sericea	Wallaby Grass	Danthonia species
Roughbarked Apple	Angophora floribunda	White Spider Flower	Grevillea linearifolia	Desmodium	Desmodium rhytidophyllum
NSW Christmas Bush	Ceratopetalum gummiferum	Dogwood	Jacksonia scoparia	Plume Grass	Dichelachne sp.
Bangalay Gum	Eucalyptus botryoides	Paperbark Tea-tree	Leptospermum trinervium	Kangaroo Grape	Cissus antarctica
Spotted Gum	Eucalyptus maculata	Burrawang Palm	Macrozamia communis	Entolasia	Entolasia species
Blueberry Ash	Elaeocarpus reticulatus	Mock Olive	Notelaea longifolia	False Sarsparilla/Sweet Tea	Hardenbergia violacea
Grey Gum	Eucalyptus punctata	Bleeding Heart	Omalanthus populifolius	Twining Guinea Flower	Hibbertia dentata
Bastard Mahogany	Eucalyptus umbra	Native Holly	Oxylobium ilicifolium	Dusky Coral Pea	Kennedia rubicunda
Port Jackson Fig	Ficus rubiginosa	Everlasting or Paper Daisy	Ozothamnus diosmifolium	Basket Grass	Oplismenus species
Turpentine	Syncarpia glomulifera	Flat-pea	Platylobium formosum	Weeping Meadow Grass	Microleana stipoides
		Carrot Tops	Platysace linearifolia	Jasmine Morinda	Morinda jasminoides
		Elderberry Panax	Polyscias sambucifolia	Wonga-Wonga Vine	Pandorea pandorana
		Elliptical Bush-pea	Pultenaea elliptica	Snake Vine	Stephania japonica
		Rapanea	Rapanea variabilis		
		Waratah	Telopea speciosissima	FERNS	
		Native Peach	Trema aspera	Blechnum	Blechnum spp.
		Wikstroemia	Wikstroemia indica	Rasp Fern	Doodia aspera
		Wilkiea	Wilkiea huegeliana	Common Maidenhair	Adiantum aethiopicum
		Grass Tree	Xanthorrhoea spp.	Umbrella Fern	Sticherus flabellatus
		Zieria	Zieria smithii	Woolly Xanthosia	Xanthosia pilosa

Site Appreciation Pittwater & Wagstaffe Spotted Gum Forest

The tree canopy layer typically is characterised by Corymbia maculata (Spotted Gum) and Eucalyptus paniculata (Grey Ironbark) and is associated with Angophora costata (Smooth-barked Apple), Corymbia maculata (Red Bloodwood), Eucalyptus punctata (Grey Gum), Syncarpia glomulifera (Turpentine), Eucalyptus botryoides (Bangalay), and Angophora floribunda (Rough-barked Apple).



Rolling Watagan

shale slopes

Squirrel Glider

Long-nosed

Bandicoot

ARCADIA

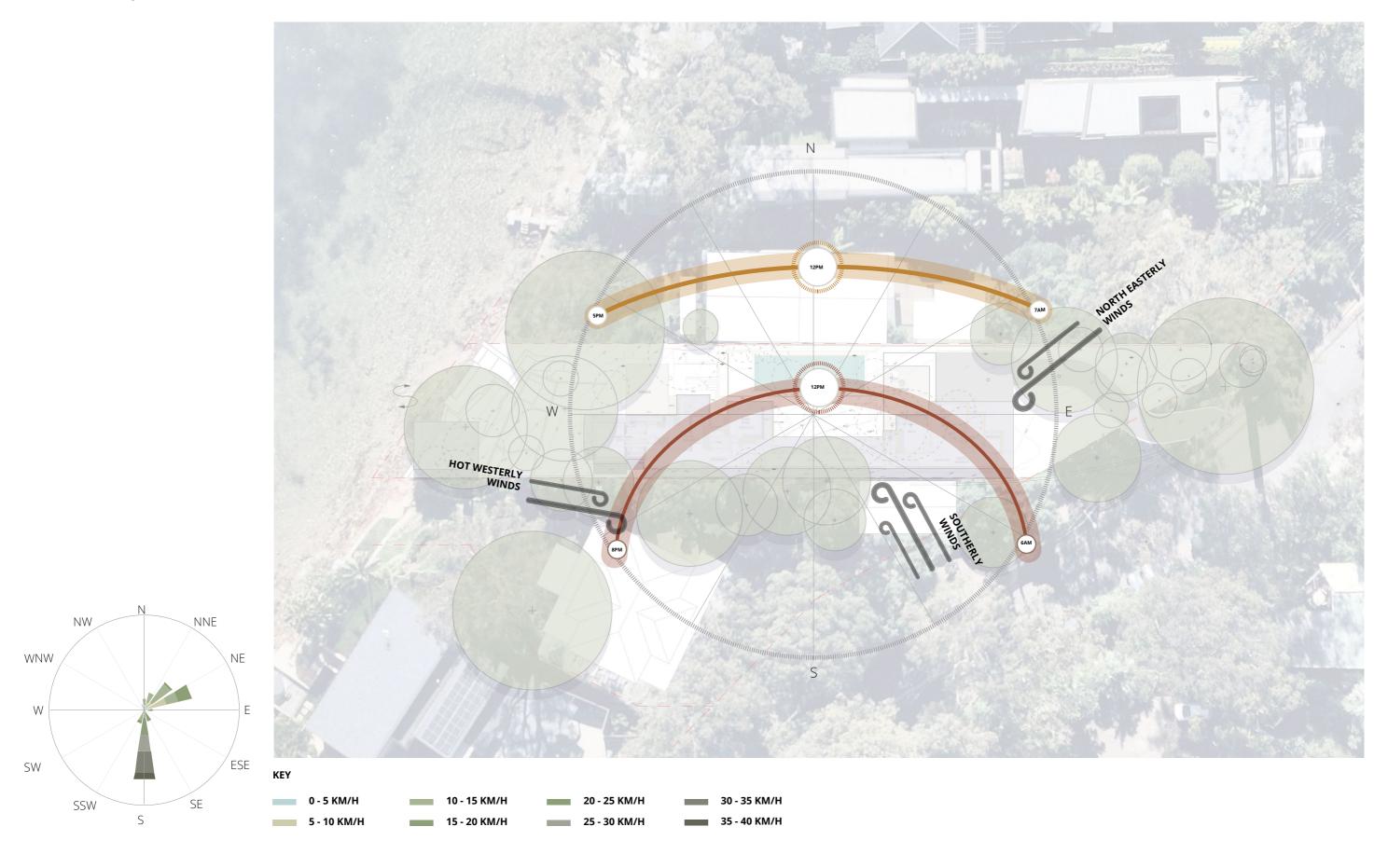
Dry Sclerophyll

Forest

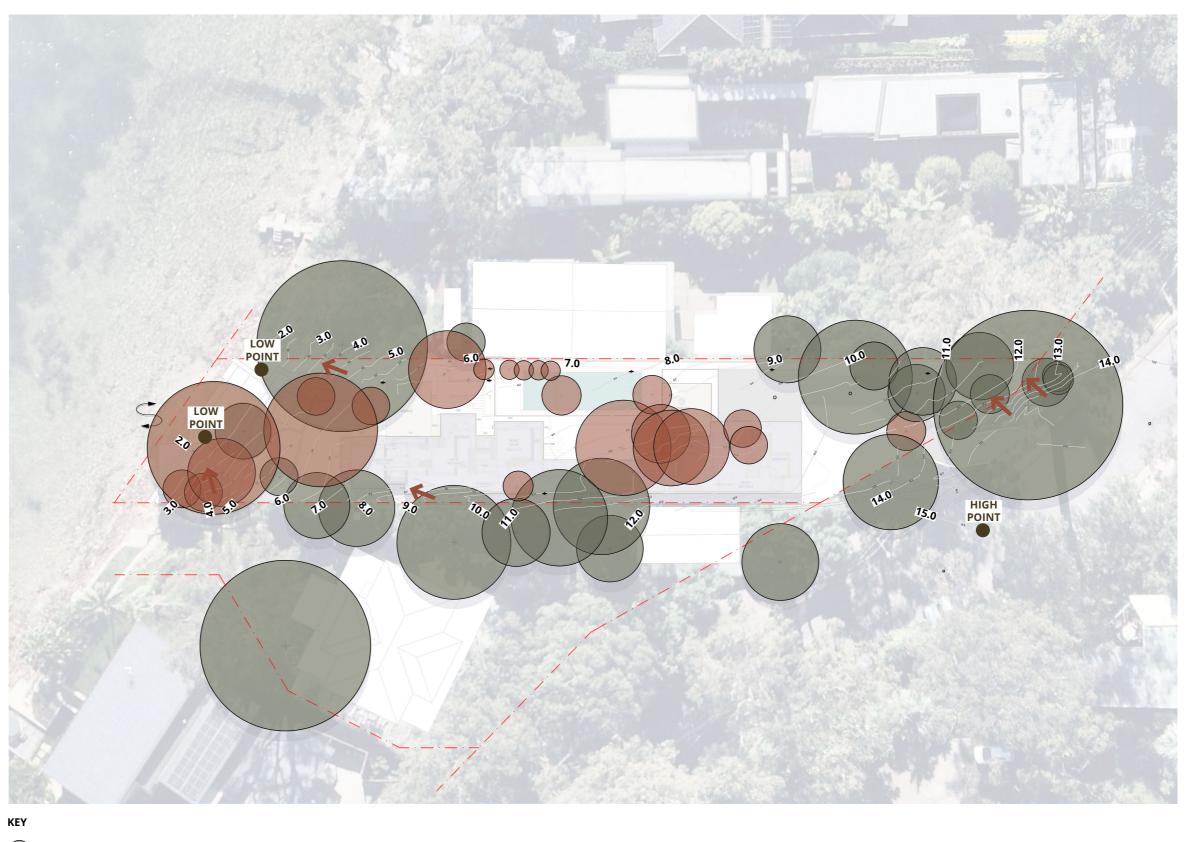
Spotted Gum

Forest

Site Analysis Microclimate



Site Analysis Topography & Existing Trees



EXISTING TREES TO BE RETAINED

EXISTING TREES PROPOSED TO BE REMOVED

CONTOURS

STEEP EMBANKMENT



LANDSCAPE APPROACH

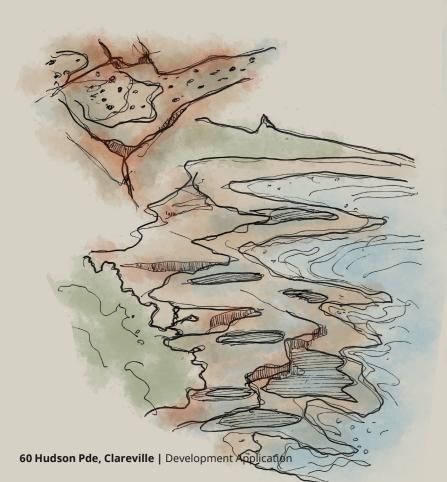
WATER COUNTRY

The landscape we experience today has been shaped by water - both fresh and saltwater. It has been sculpted by the rivers and creeks that have worn their way into it, by the unseen rivulets that quietly carve away beneath the surface, and most noticeably by the awe-inspiring force of the ocean that relentlessly pounds. its exposed face year after year, decade on decade.

Sandstone is an important material to the site and location.

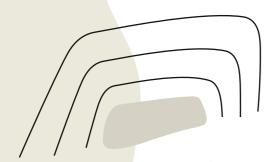
The design process has drawn upon the landscape processes of sedimentation and erosion that has formed the sandstone plateaus and bluffs of Pittwater.

The adjacent sketches illustrate two of the sedimentation processes that have occurred over thousands of years to form the landscape that we now know: Tidal erosion and ephemeral water deposits, forming sweeping layers, terraced cuts, curves and bubbles.



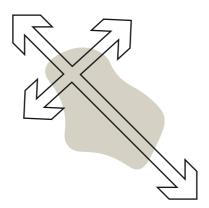


Landscape Principles



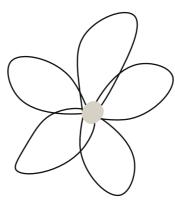
Naturalisation

/ Transforming the existing landscape into a habitat for native plants and wildlife / Tying into the local character / Reforming existing geometry on site to more organic forms



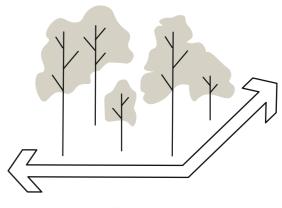
Pedestrian flow

/ How people move through
the site
/ Creating desire lines without
devaluing the site with too
direct lines of travel



Low maintenance

/ Choosing the right plant species for the right areas / Minimising irrigation / Drought tolerant and hardy plant species



Privacy

/ Use of tree planting to provide privacy, screening and visual interest
/ Creating buffers from proposed social gathering areas to Northern neighbour
/ Being sympathetic to maintaining and improving views whilst creating privacy

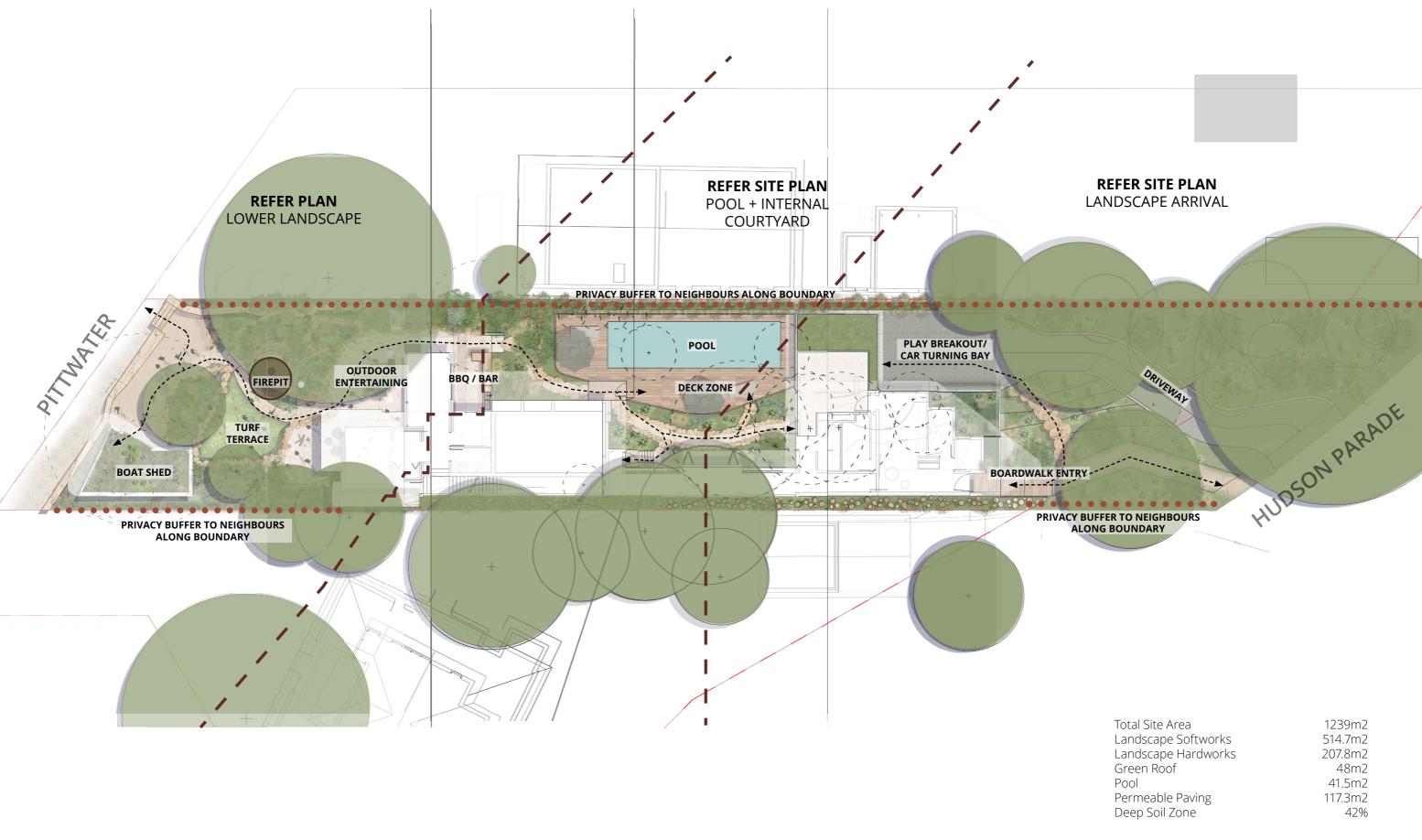
Site Principles Sandstone story....

Natrualisation of the sweeping sandstone forms

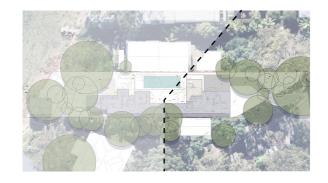




Site Masterplan



Site Imagery Landscape Arrival



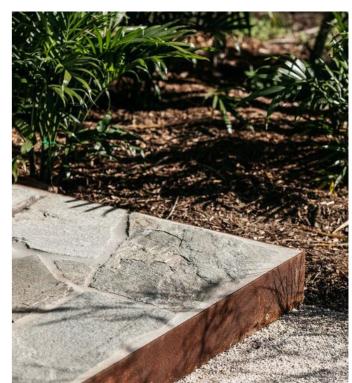








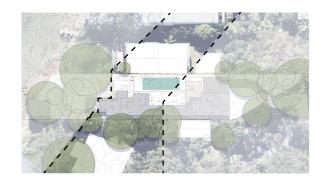




Site Plan Landscape Arrival



Site Imagery Pool + Internal Courtyard







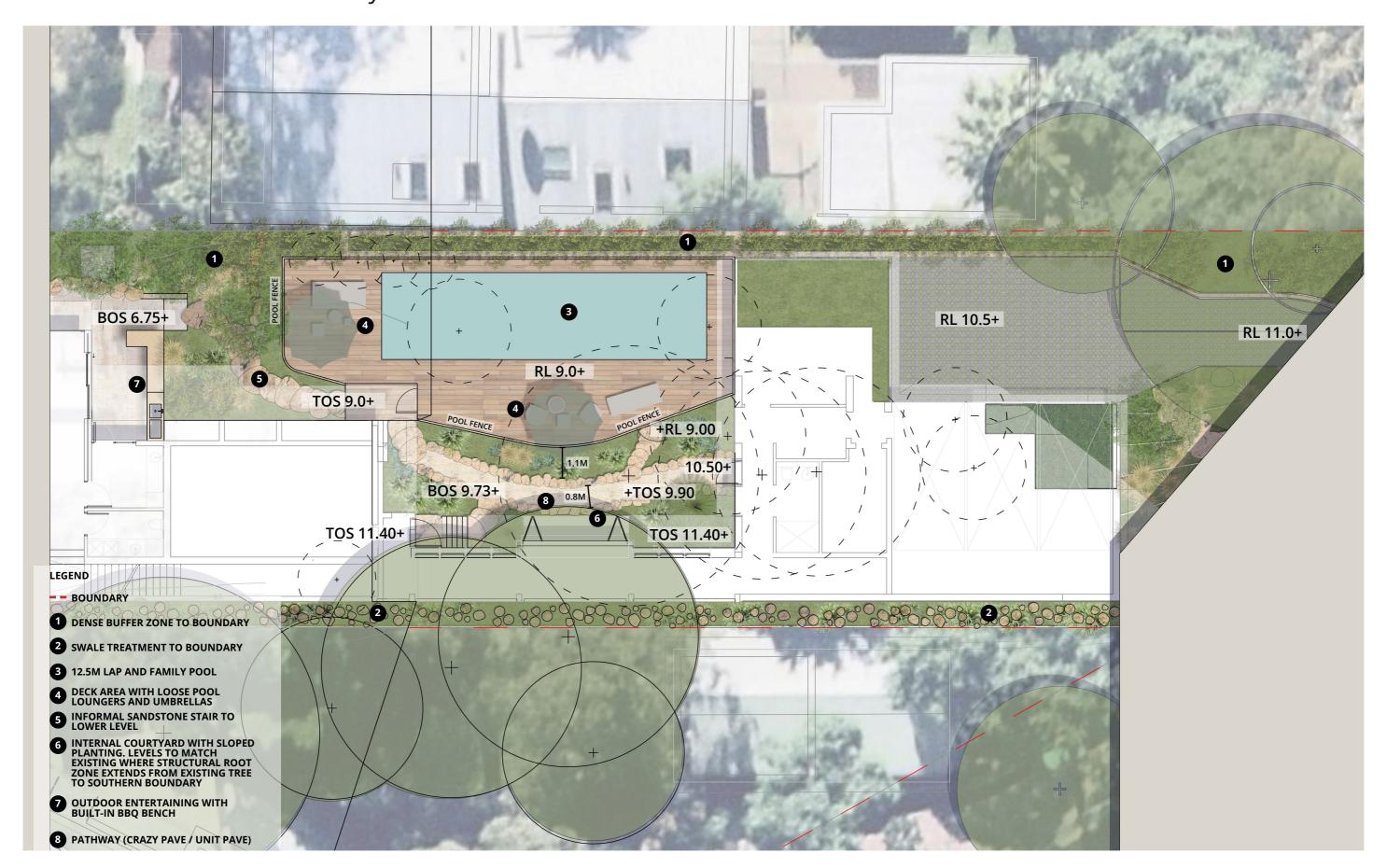




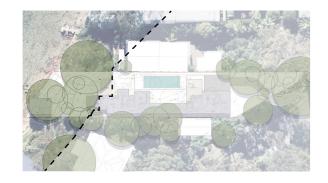




Site Plan Pool + Internal Courtyard



Site Program Lower Landscape













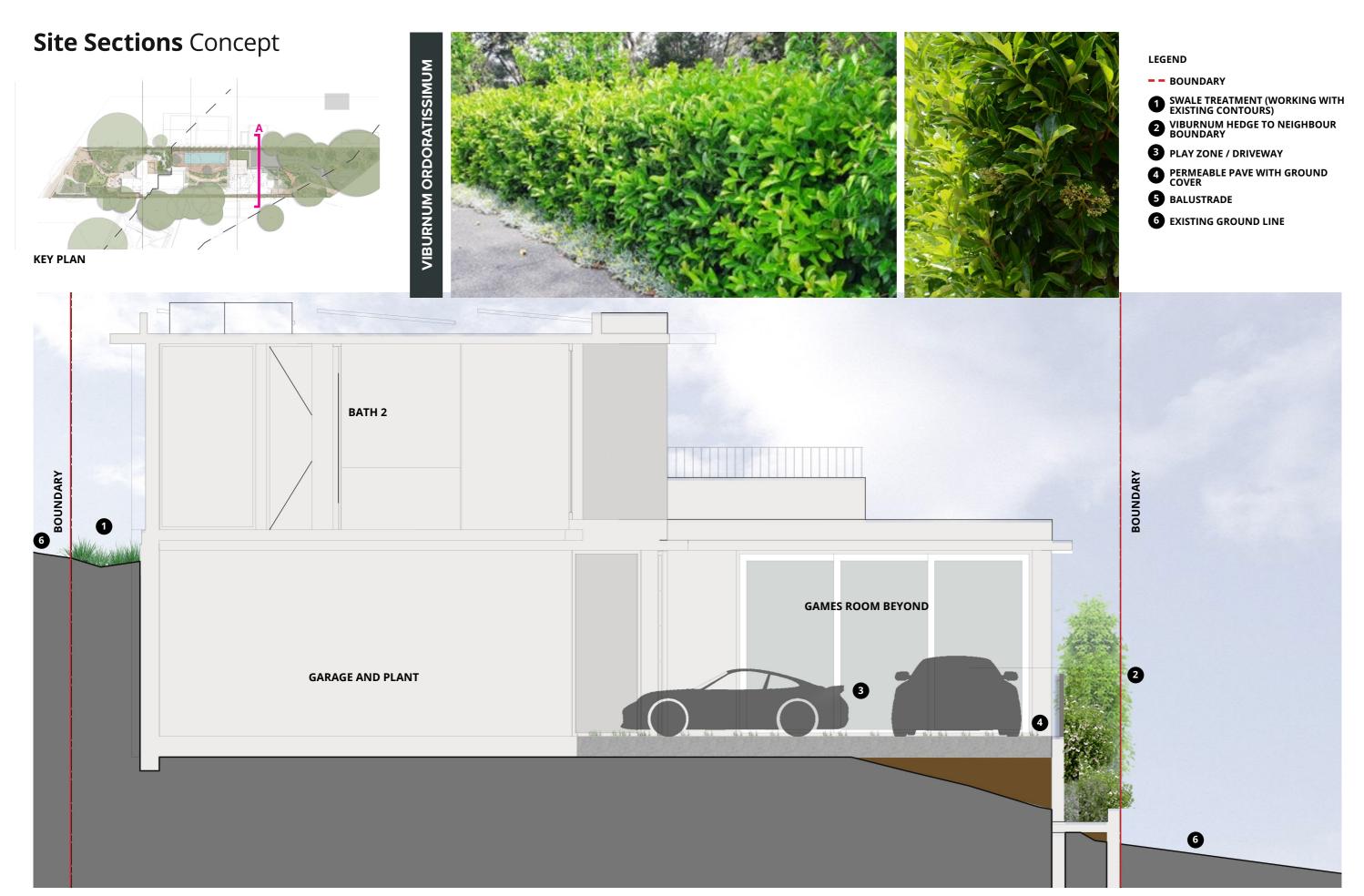




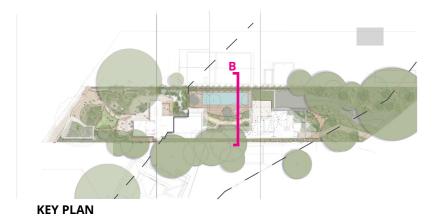
Site Plan Lower Landscape







Site Sections Concept



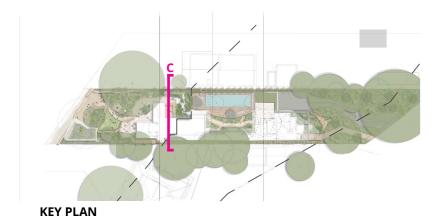
LEGEND

- -- BOUNDARY
- 1 POOL FENCE
- 2 UNIT PAVE / CRAZY PAVE PATH
- 3 SANDSTONE STEPS
- 4 SANDSTONE RETAINING WALL
- 5 VIBURNUM HEDGE TO NEIGHBOUR
- 6 SWALE TREATMENT (WORKING WITH EXISTING CONTOURS)
- **7** EXISTING GROUND LINE



SECTION B - POOL

Site Sections Concept



BOUNDARY

SECTION C - BBQ & EXISTING TERRACE

LEGEND

-- BOUNDARY

1 EXISTING GROUND LINE

2 UNIT PAVE / CRAZY PAVE PATH

3 SANDSTONE STEPS

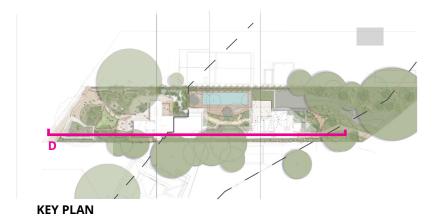
4 BBQ BENCH

5 VIBURNUM HEDGE TO NEIGHBOUR

6 SWALE TREATMENT (WORKING WITH EXISTING CONTOURS)

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Site Sections Concept



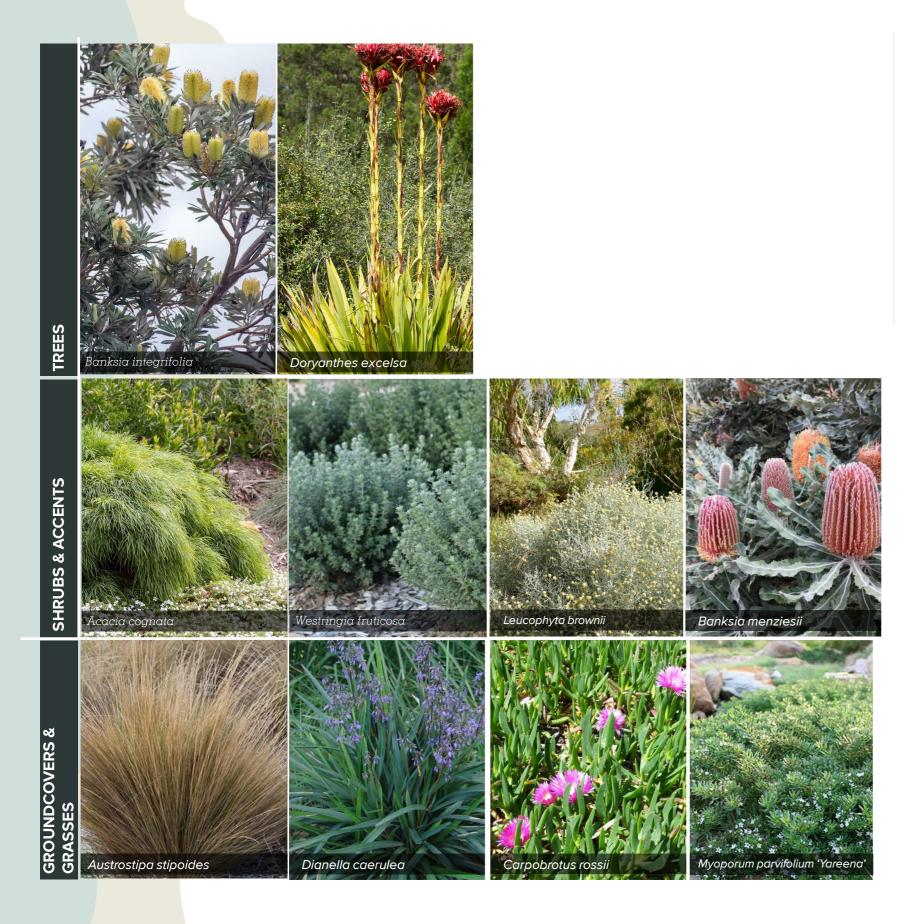
LEGEND

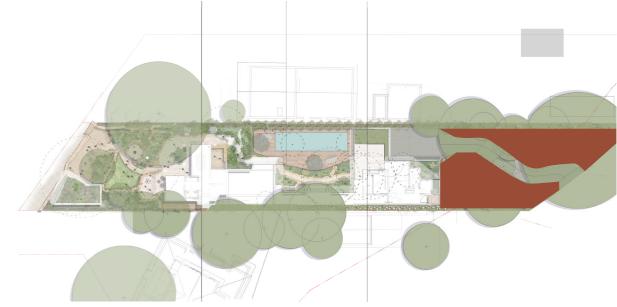
- -- BOUNDARY
- 1 EXISTING GROUND LINE
- 2 RAISED TIMBER DECK
- 3 SANDSTONE RETAINING WALL
- 4 EXISTING SEA WALL



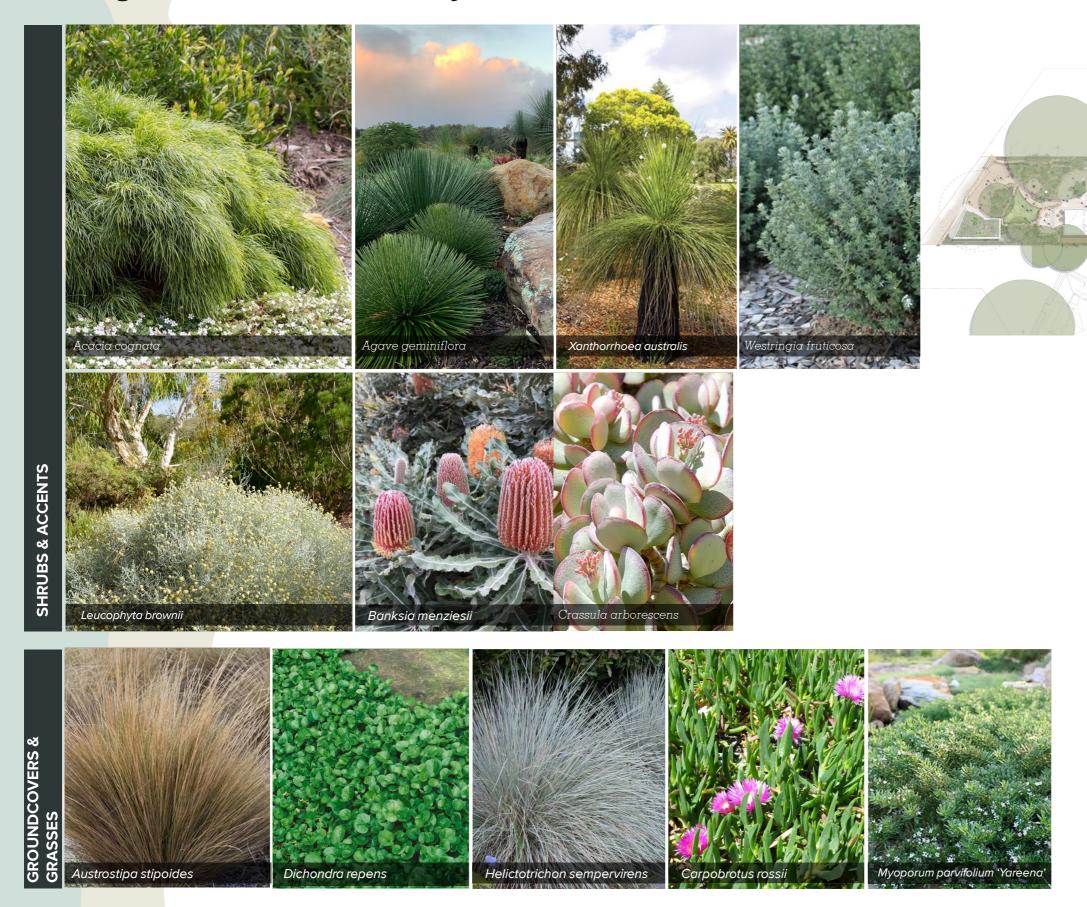
SECTION D - BOAT SHED

Planting Palette 1: Entry Garden

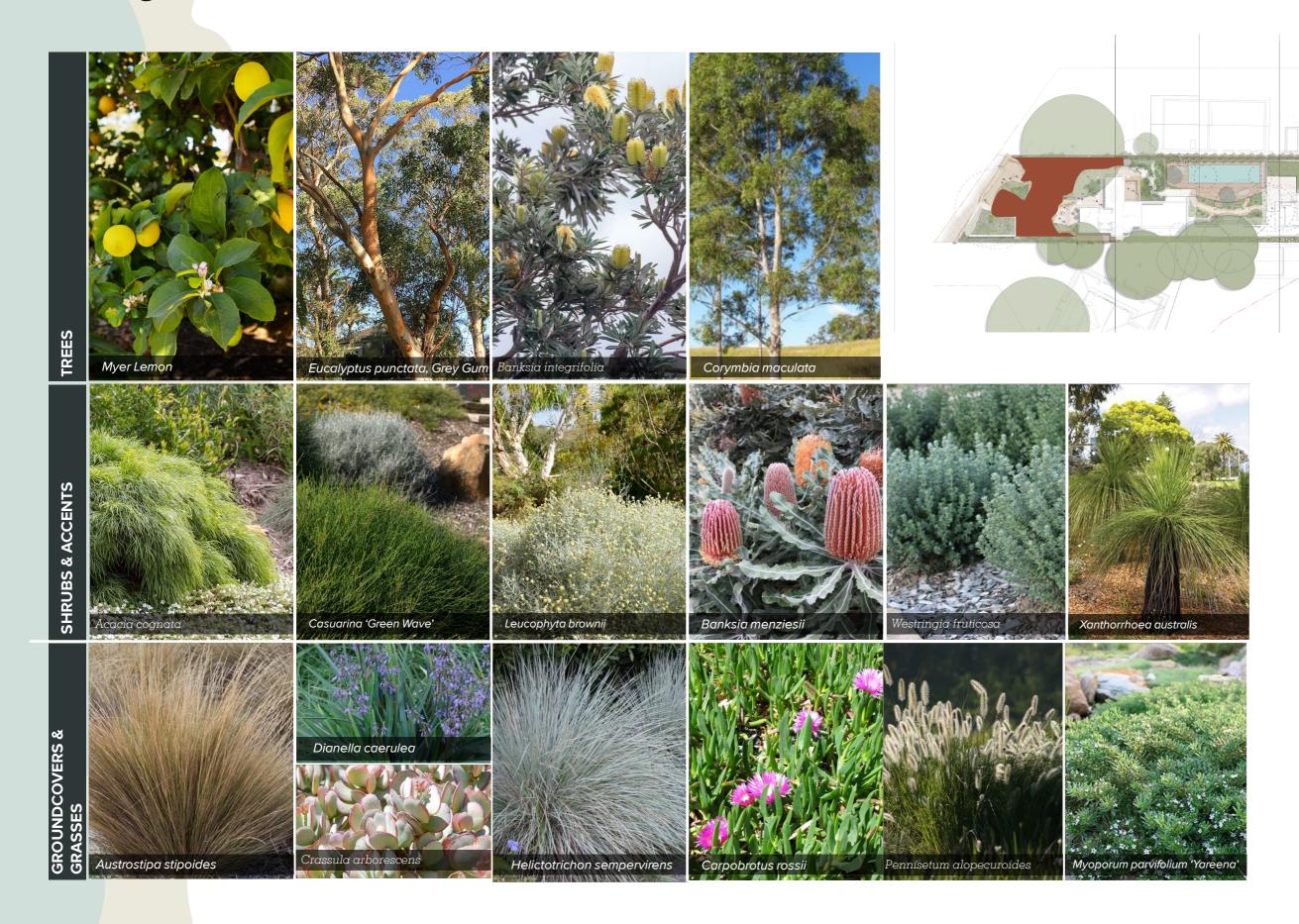




Planting Palette 2: Internal Courtyard



Planting Palette 3: Lower Ground



Planting Palette 4: Buffer



Planting Palette 5: Green Roof





Planting Palette 6: Swale











ARCADIA

60 Hudson Parade Clareville NSW

DRAWING SCHEDULE

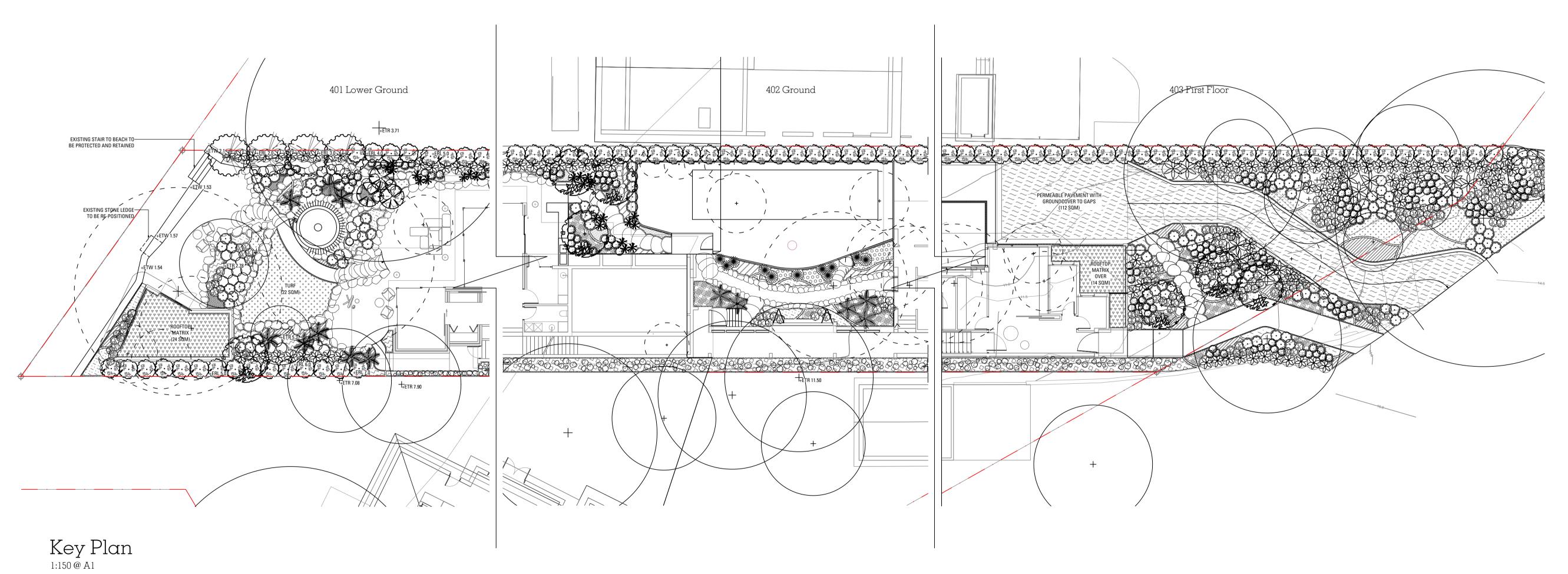
DRAWING NO. DRAWING TITLE

OOO COVER SHEET

400 PLANTING SCHEDULE
401 SOFTWORKS PLAN

601 LANDSCAPE DETAILS

ALL DRAWINGS TO BE READ IN CONJUNCTION WITH [PROJECT NO.]L-SP-001 LANDSCAPE SPECIFICATION



 B
 22/09/22
 RG
 MB
 21/09/22

 A
 22/09/22
 AS
 MB
 16/09/22

 Issue
 Revision Description
 Drawn
 Check
 Date

Not for Construction

60 Hudson Parade Clareville

Concept

Bennett Murada

Berniettiviara

Drawing No

000 Cover Sheet

Job No. 22-868
Issue B
Scale 1:150 @ A1

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22-868 60 Hudson Parade Clareville PLANT SCHEDULE

CODE	BOTANIC NAME	COMMON NAME	MATURE SIZE (h x w) (m)	PROPOSED POT SIZE	QUANTITY
	TREES & PALMS				
Bi	Banksia integrifolia	Coastal Banksia	15 x 4	200L	7
Cm	Citrus × meyeri	Meyer Lemon	3 x 2	200L	3
Xa	Xanthorrhoea australis	Grass Tree	4 x 1.8	200L	13
Cm	Corymbia maculata	Lemon Scented Teatree	4 x 3	200L	4
	SHRUBS & ACCENTS				
Ag	Agave geminiflora	twin flowered agave	1 x 1	200mm	11
Ac	Acacia cognata	Acacia limelight'scope'	1 x 1.2	200mm	124
Bm	Banksia menziesii	firewood banksia	3 x 2	300mm	97
Ca	Crassula arborescens	Silver Jade plant	0.75×0.5	300mm	41
Cg	Casuarina 'Green Wave'	Green Wave	0.75 x 0.5	300mm	23
De	Doryanthes excelsa	Gymea Lily	3 x 1.5	45LT	12
Lb	Leucophyta brownii	Cushion Bush	1 x 1	300mm	185
Wf	Westringia fruticosa	coastal rosemary	0.9×0.9	300mm	170
Vo	Viburnum ordoratissimum	Viburnum ordoratissimum	4 x 2	45LT	79
	GRASSES & RUSHES				
As	Austrostipa stipoides	Coast Spear Grass	1 x 1	140mm	5 p/sqm
Dc	Dianella caerulea	Blue Flax-Lily	0.5 x 3	140mm	5 p/sqm
Hs	Helictotrichon sempervirens	Blue oat grass	0.6 0.6	140mm	5 p/sqm
Pa	Pennisetum alopecuroides	Swamp Foxtail	1 x 1	140mm	5 p/sqm
	GROUNDCOVERS & CLIMBERS				
Cr	Carpobrotus rossii	Pig Face	0.8 x spreading	140mm	5 p/sqm
Dr	Dichondra repens	Kidney Weed	0.2 x spreading	140mm	5 p/sqm
Mp	Myoporum parvifolium	Creeping Boobialla	0.15 x 1	140mm	5 p/sqm
Vh	Viola hederacea	Native Violet	0.5 x 2	140mm	5 p/sqm
	Green Roof				
Cr	Carpobrotus rossii	Pig Face	0.8 x spreading	140mm	5 p/sqm
Dsf	Dichondra repens 'Silver Falls'	Silver Falls	0.2 x spreading	140mm	5 p/sqm
Dr	Dianella revoluta	Mauve Flax Lily	0.4×0.4	140mm	5 p/sqm
Ss	Senecio serpens	Blue Chalk Stick	0.5 x 3	140mm	5 p/sqm
	Swale	I		<u> </u>	
Ca	Carex appressa	Tall sedge	0.5 x 0.5	140mm	3 p/sqm
PI	Poa labillardieri 'Eskdale'	Tussock Grass	0.5 x 0.5	140mm	3 p/sqm
Lh	Lomandra hystrix	Mat Rush	1.5 x 1.5	140mm	2 p/sqm
CI	Cyperus laevigatus	Foxtail Flat Sedge	1x 1	140mm	2 p/sqm

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В	22/09/22	RG	MB	21/09/22
Α	22/09/22	AS	MB	16/09/22
Issue	Revision Description	Drawn	Check	Date

Not for Construction

60 Hudson Parade Clareville

Concept

Rennett Mura

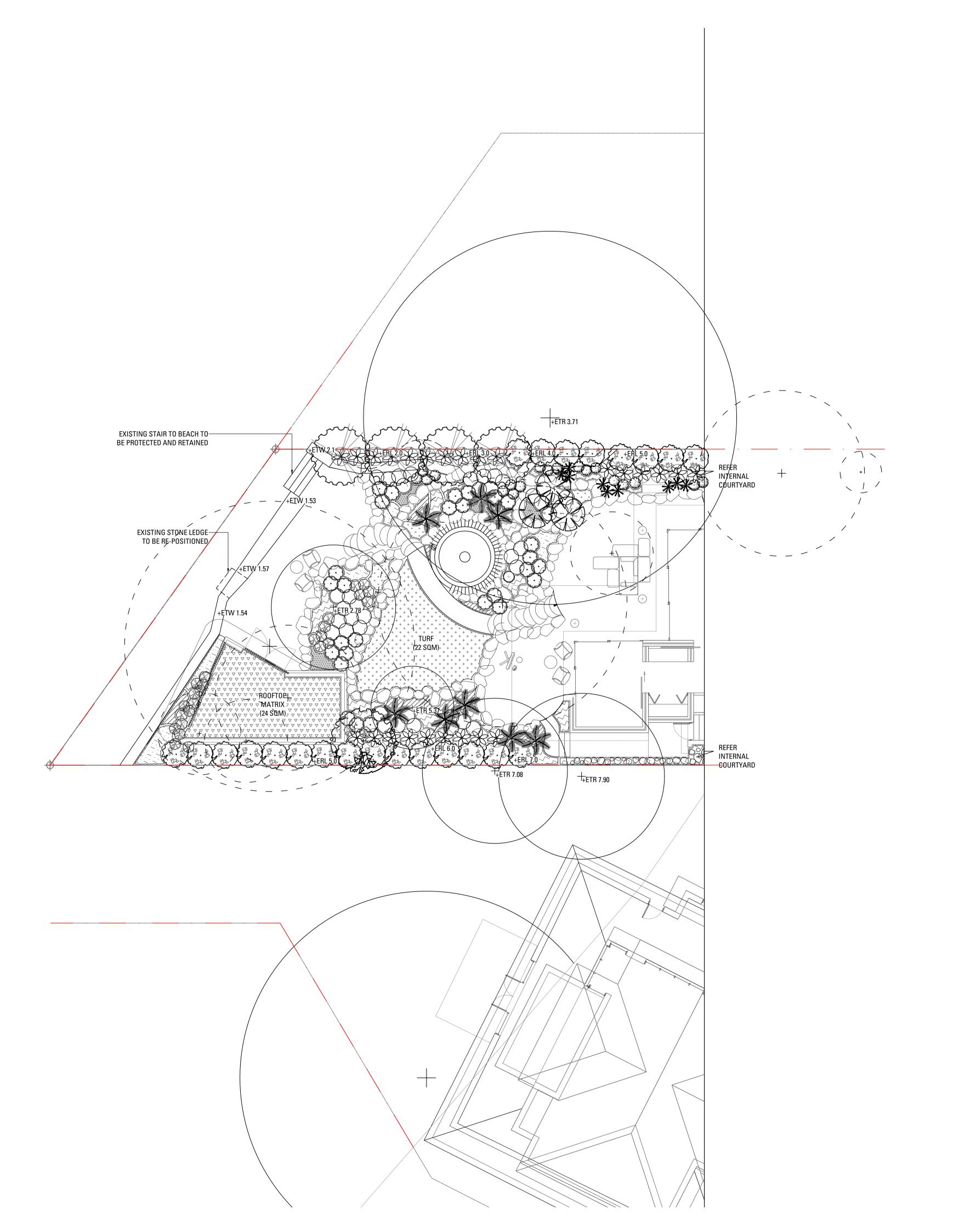
Bennett Murada

Drawing No.

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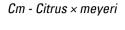


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LEGEND

Tree





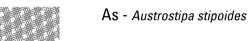


Cm - Corymbia maculata

Shrubs/Accents

- ** Ag Agave geminiflora
- O Ac Acacia cognata
- Bm Banksia menziesii
- O Cg Casuarina 'Green Wave'
- * Ca Crassula arborescens
- S De Doryanthes excelsa
- Lb Leucophyta brownii
- Vo Viburnum ordoratissimum

Wf - Westringia fruticosa



Grasses & Rushes

Dc - Dianella caerulea

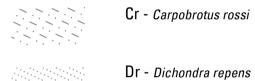


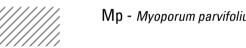
Hs - Helictotrichon sempervirens



Pa - Pennisetum alopecuroides

Groundcovers





Matrix



Swale mix

Green roof mix

B 22/09/22 RG MB 21/09 A 22/09/22 AS MB 16/09

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60 Hudson Parade Clareville

Concept

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Bennett Murada

Drawing No.

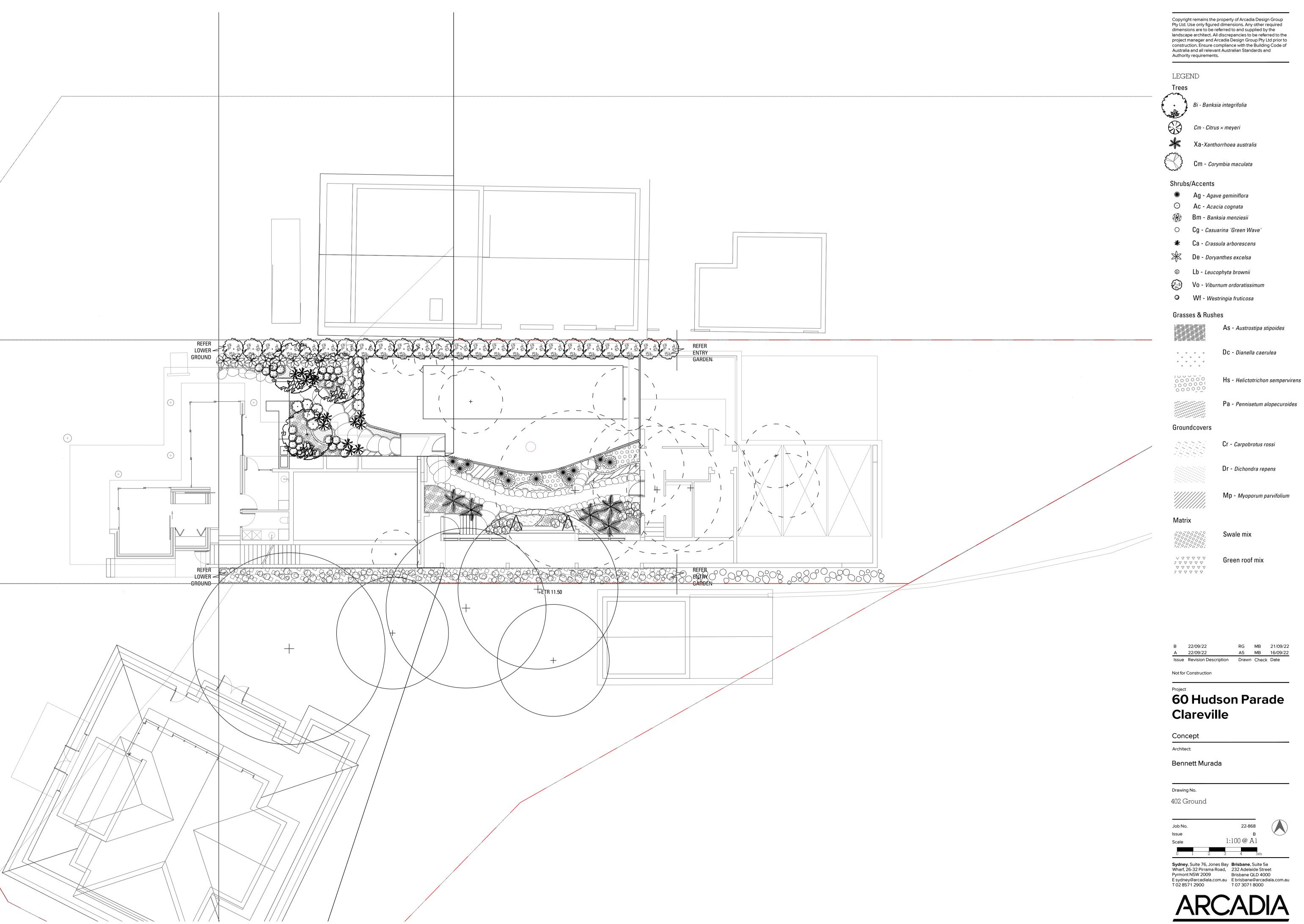
401 Lower Ground

Job No. Issue



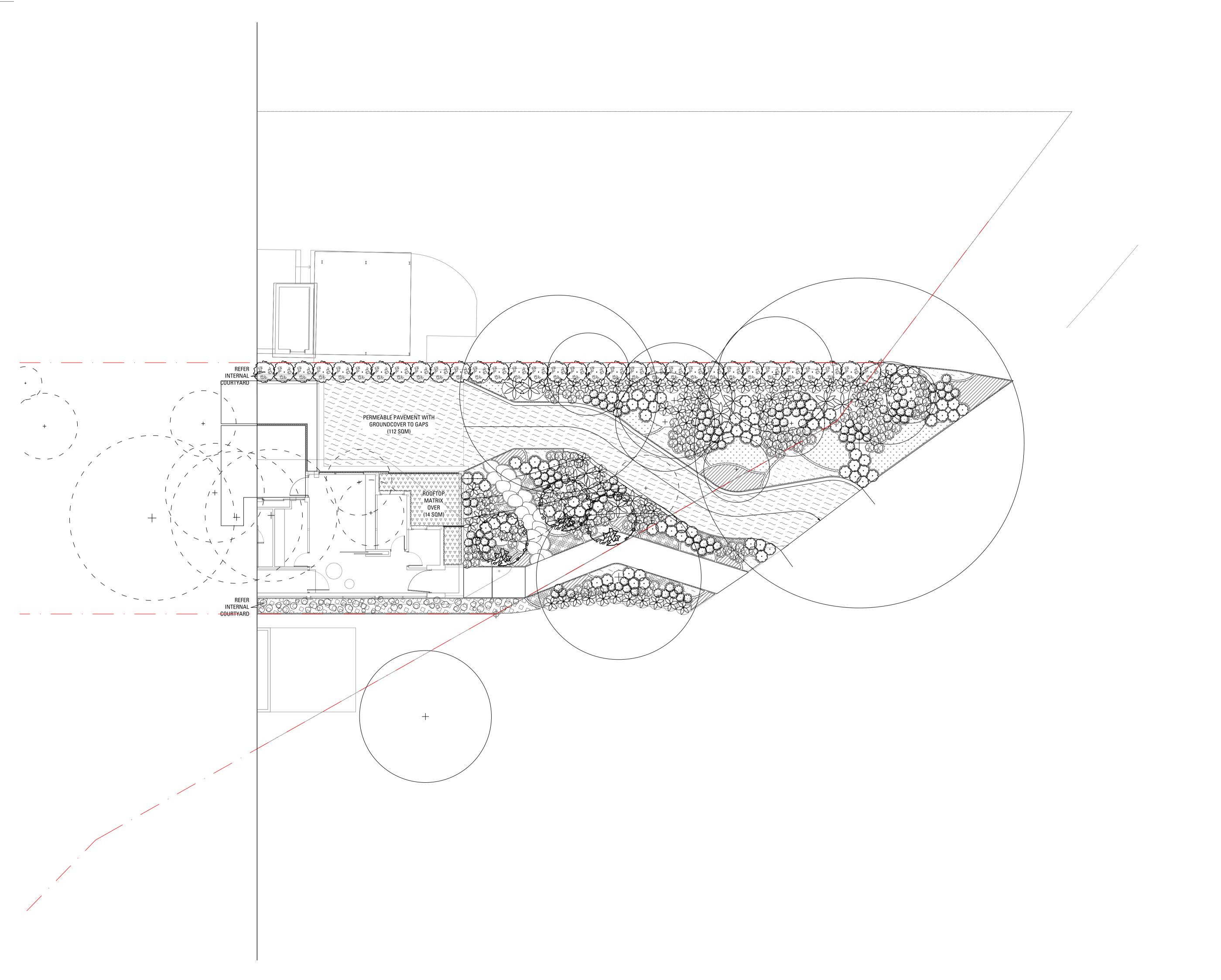
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landscape architect. All discrepancies to be referred to the project manager and Arcadia Design Group Pty Ltd prior to

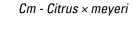




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LEGEND





Cm - Corymbia maculata

Cg - Casuarina 'Green Wave'



Shrubs/Accents

- Ag Agave geminiflora
- Ac Acacia cognata
- Bm Banksia menziesii
- Ca Crassula arborescens
- De Doryanthes excelsa

- Lb Leucophyta brownii
- Vo Viburnum ordoratissimum

Wf - Westringia fruticosa

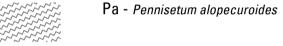


Grasses & Rushes

Dc - Dianella caerulea

As - Austrostipa stipoides

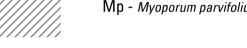
Hs - Helictotrichon sempervirens



Groundcovers

Cr - Carpobrotus rossi

Dr - Dichondra repens



Green roof mix

Matrix

Swale mix

B 22/09/22

Not for Construction

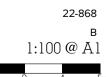
60 Hudson Parade Clareville

Concept

Bennett Murada

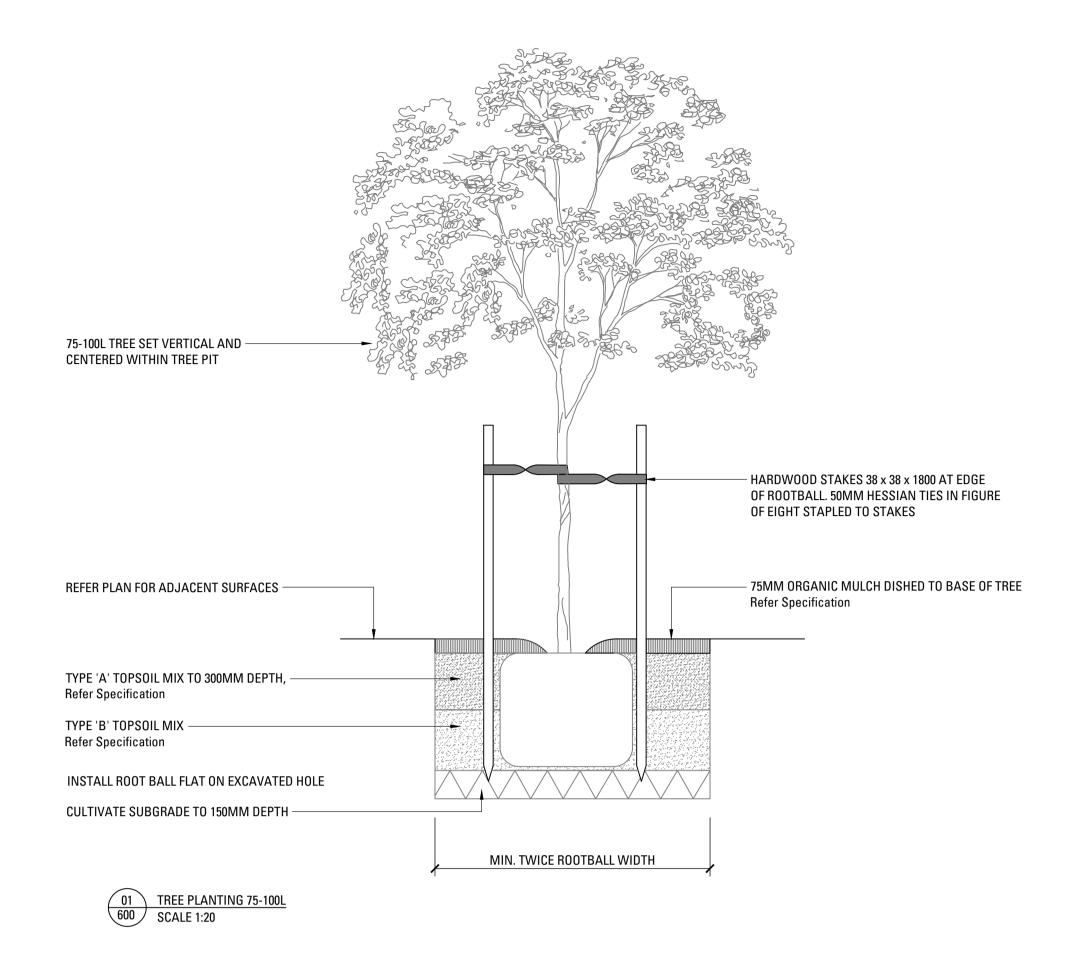
Drawing No.

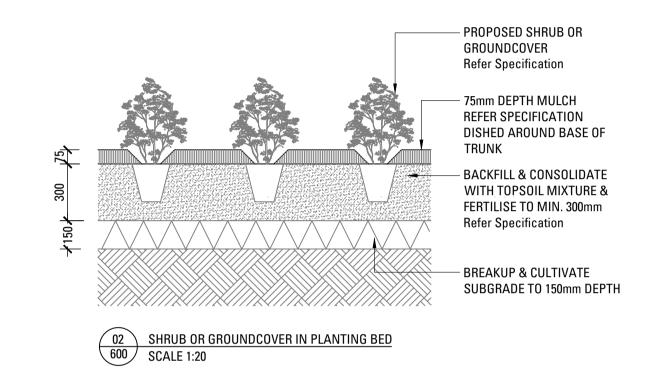
403 First Floor

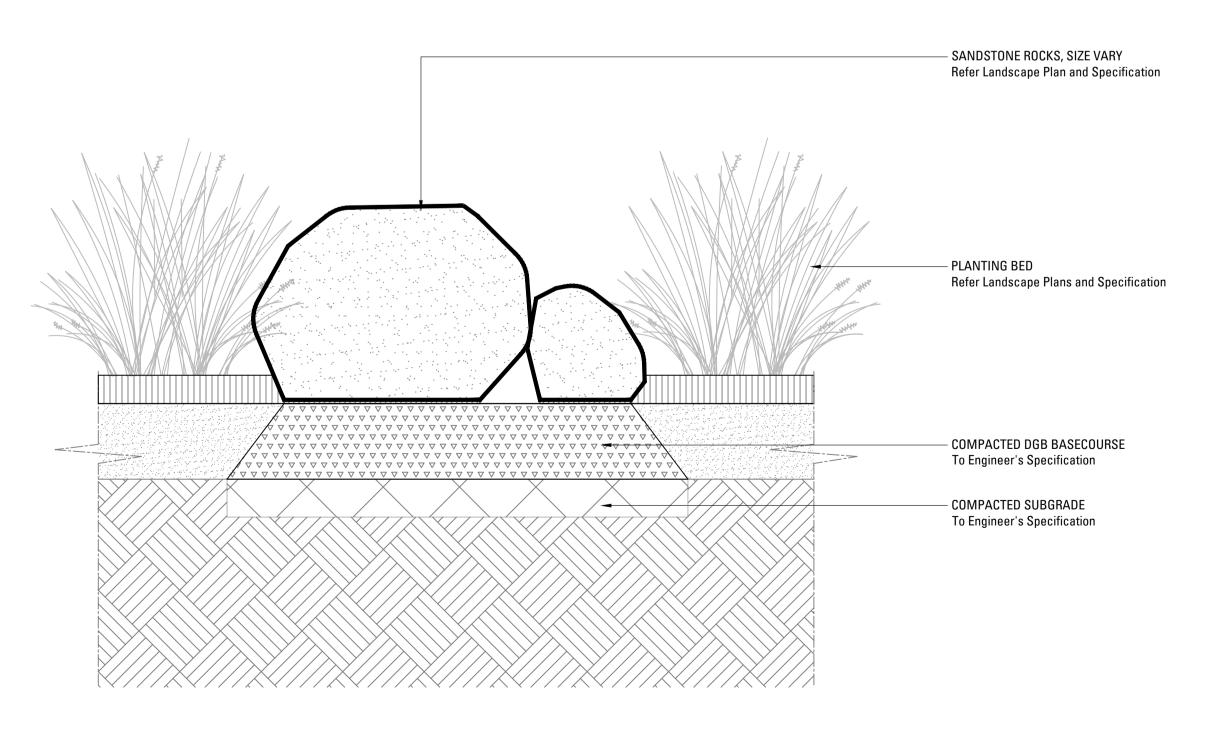


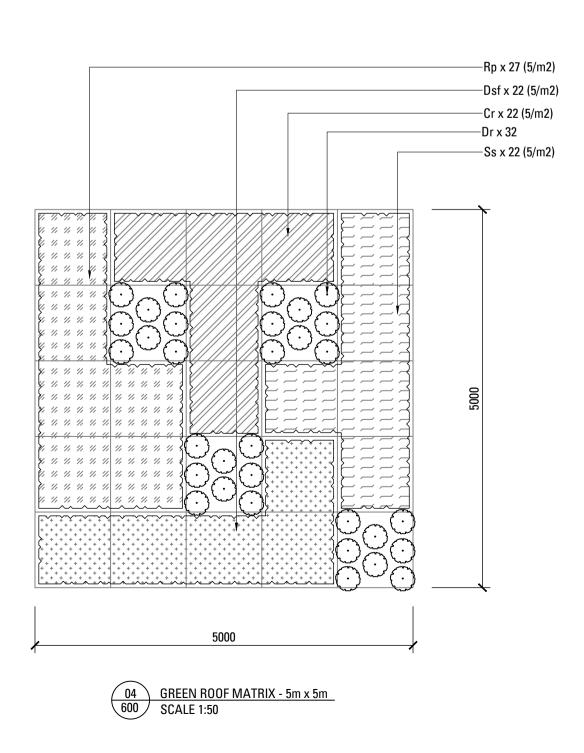
Sydney, Suite 76, Jones Bay Wharf, 26-32 Pirrama Road, Pyrmont NSW 2009 E sydney@arcadiala.com.au T 02 8571 2900 E Brisbane@arcadiala.com.au T 07 3071 8000

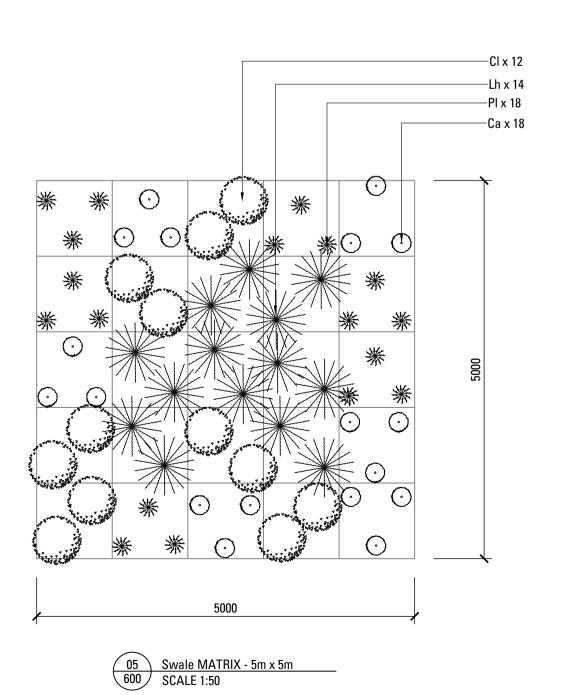


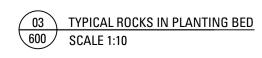












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RG MB 21/09/22 AS MB 16/09/22

Issue Revision Description Drawn Check Date

60 Hudson Parade

B 22/09/22 A 22/09/22

Not for Construction

Concept

Drawing No.

Architect:

Clareville

Bennett Murada

600 Planting Details