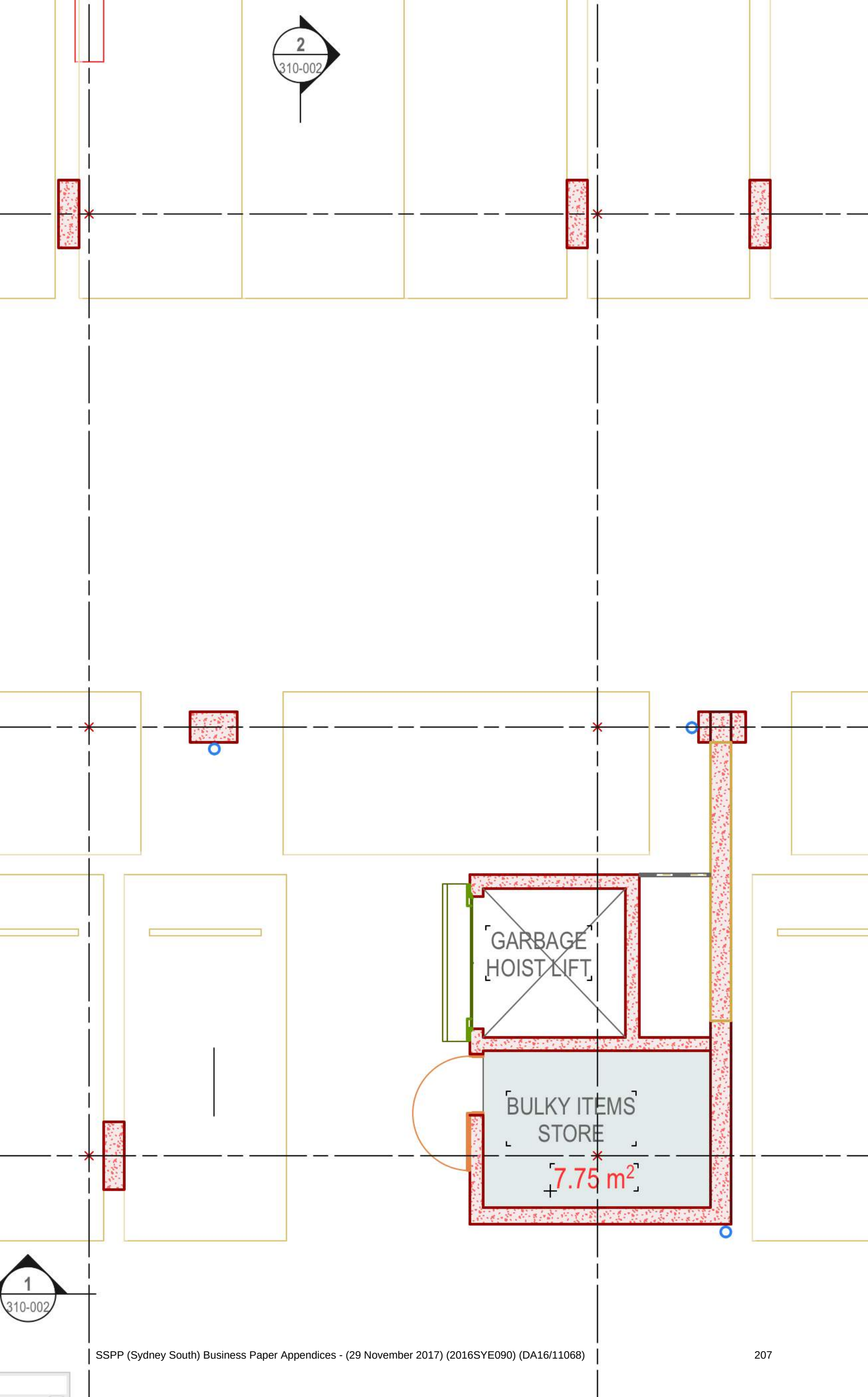






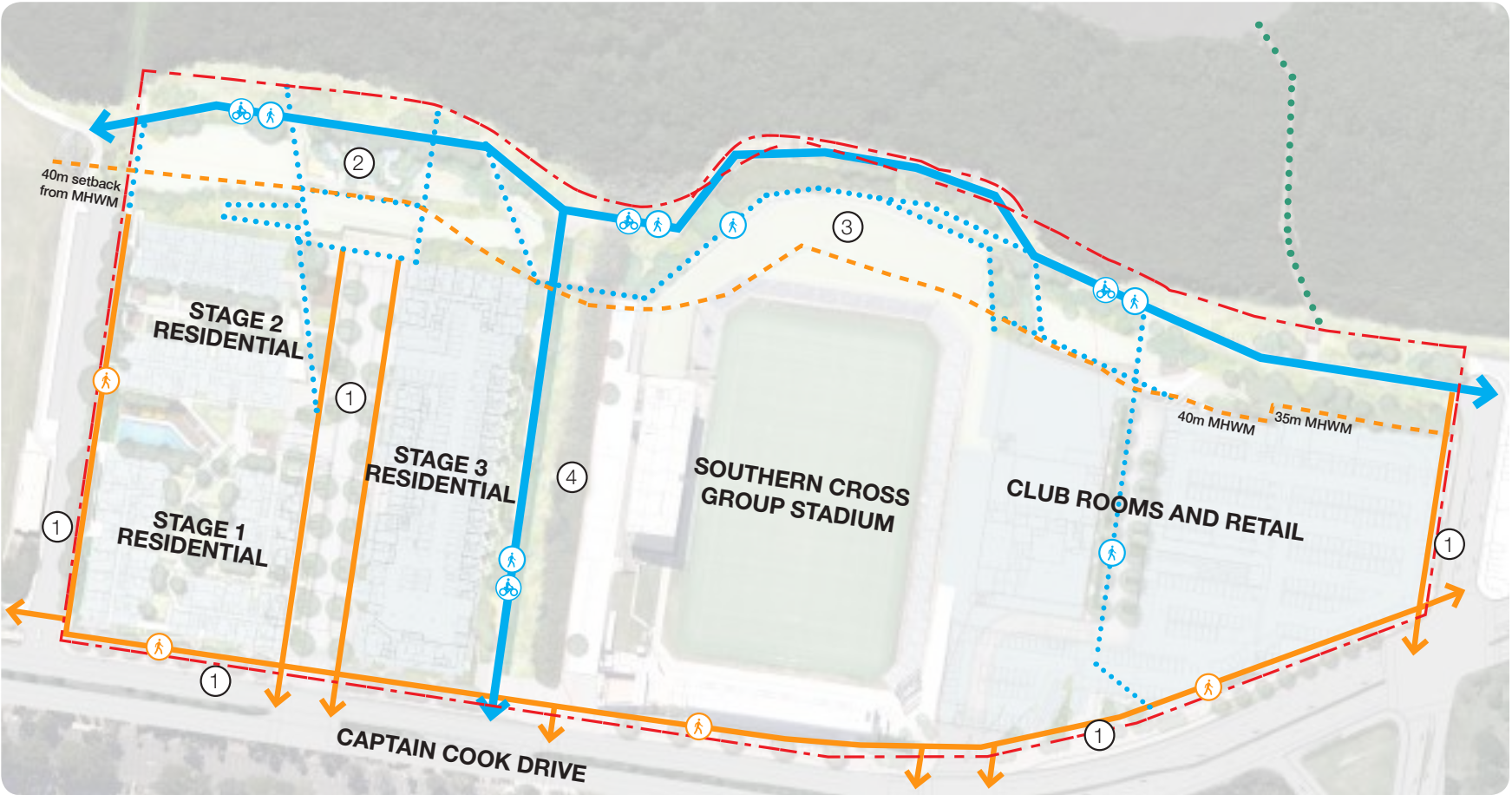
Woolloomoolwe Bay Town Centre

Stage 3 - Residential Development Application



Aerial image (existing site conditions -August 2015). Source: Nearmaps

Existing + Proposed Pedestrian Links 1: 2500



Key

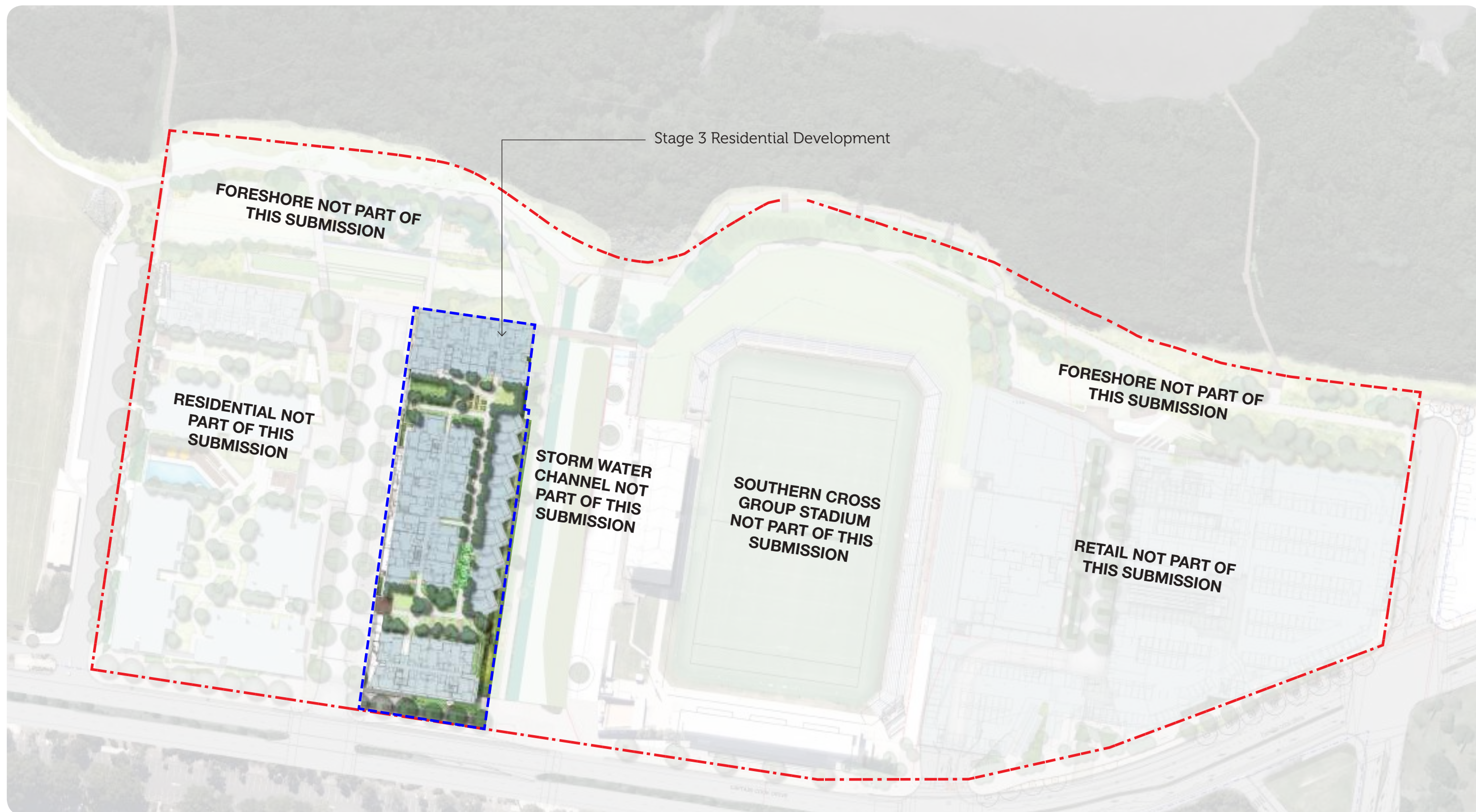
① Streetscape upgrades + New Streets	--- Site Boundary Line	●●●●● Existing Mangrove Boardwalk
② Foreshore Park + Playground	Shared Pathway (Width 3.5m)	--- 35-40m Setback from MHW
③ Remondis Stadium 'Family Hill'	Park Circulation Pathways	
④ Existing Watercourse	Street Circulation Pathways	

Existing site images



11017 Woollooware Bay Town Centre, Woollooware | RESIDENTIAL STAGE 3

Site Context And Pedestrian Links



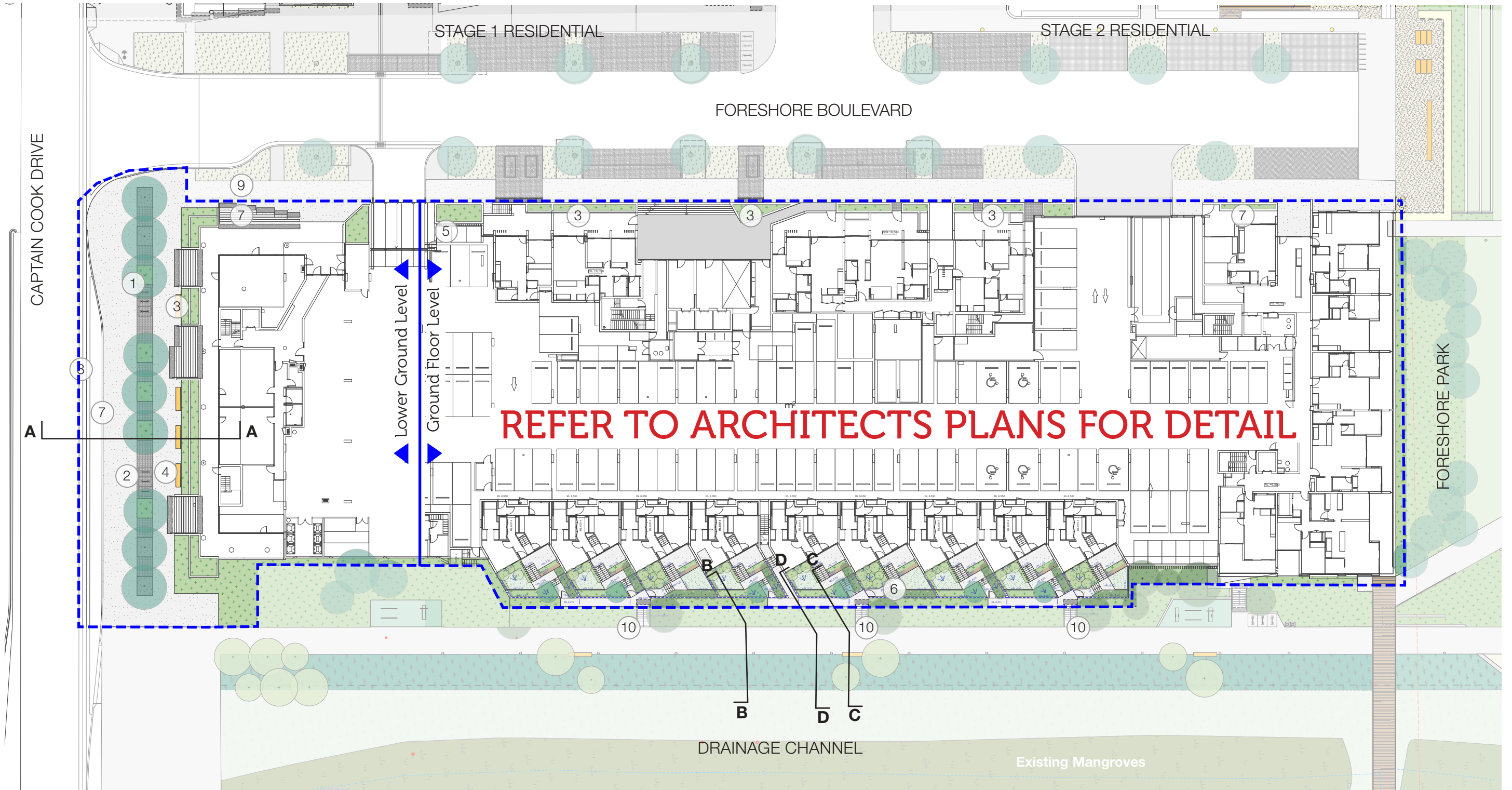
Key

- Extent of Application
- Site Boundary

11017 Woollooware Bay Town Centre, Woollooware | RESIDENTIAL STAGE 3

Site Context Plan





Key

--- Extent of Stage 3 application

- ① Street trees in mass planting equal to stage1 treatment
- ② Permeable paving + bike racks between street trees
- ③ Raised planters with cascading mass planting to edge of colonnade
- ④ Rain garden planter for overland flooding

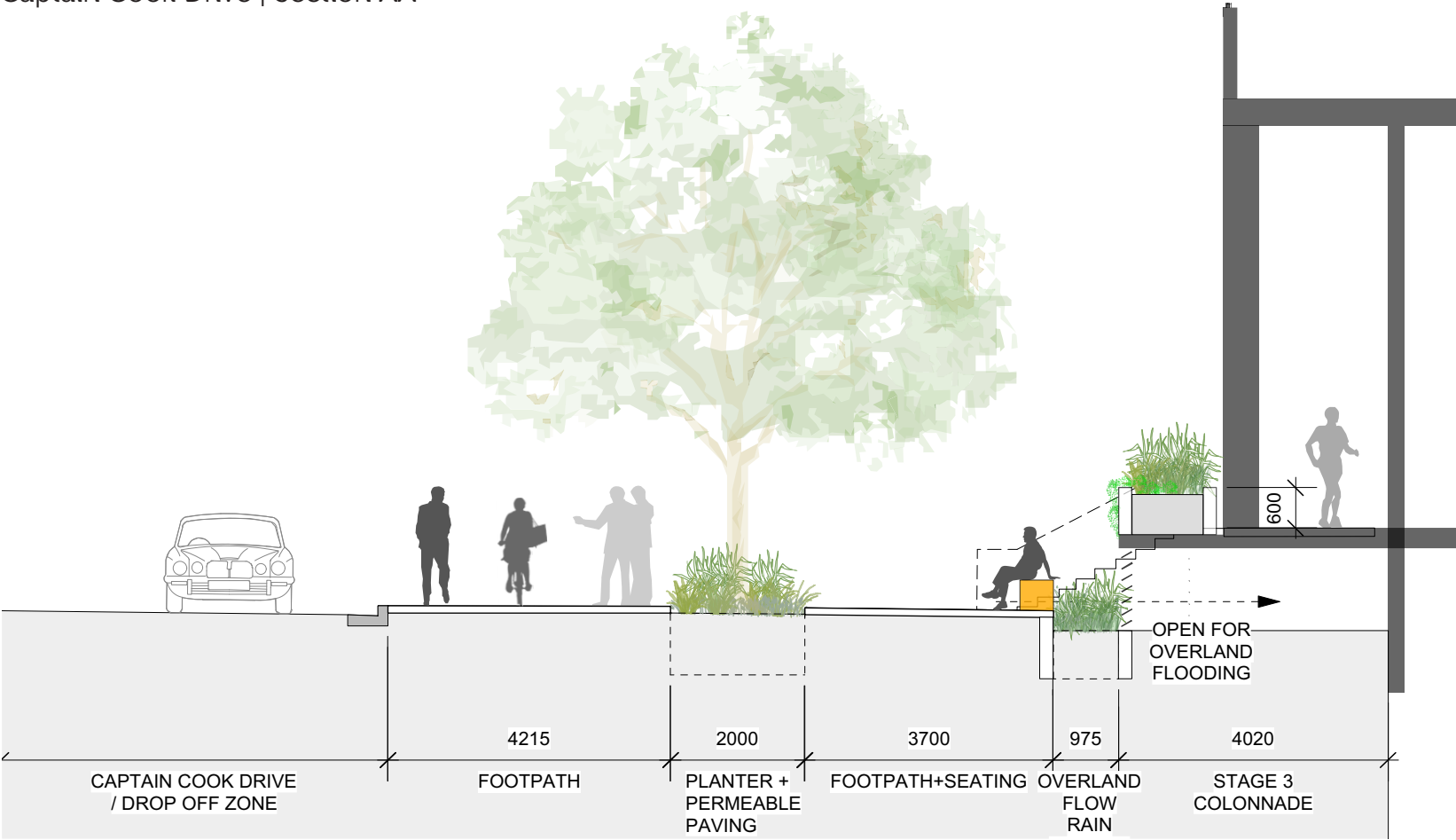
- ⑤ Raised planter with climbers
- ⑥ Grove terrace garden
- ⑦ Concrete footpath
- ⑧ Drop off / Pick up zone

- ⑨ WBTC signage location. Refer to Architect's drawings
- ⑩ Stair access to Grove Terraces. Not part of this application

11017 Woollooware Bay Town Centre, Woollooware | RESIDENTIAL STAGE 3

Lower Ground / Ground Floor | PLAN





Street Planting



Cascading Planting



Stair Design



Cascading planting

Captain Cook Drive Precedents



Street mass planting



Permeable planting



Street trees



Overland flow path and rain garden planting

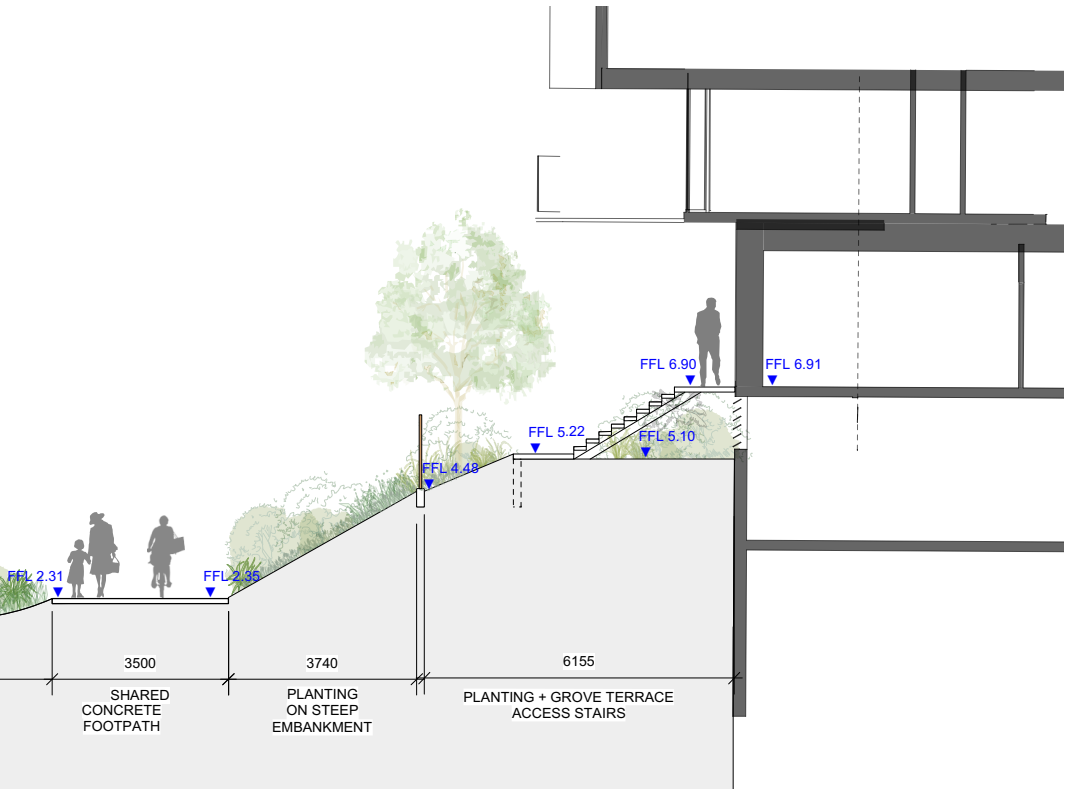


Seating pods

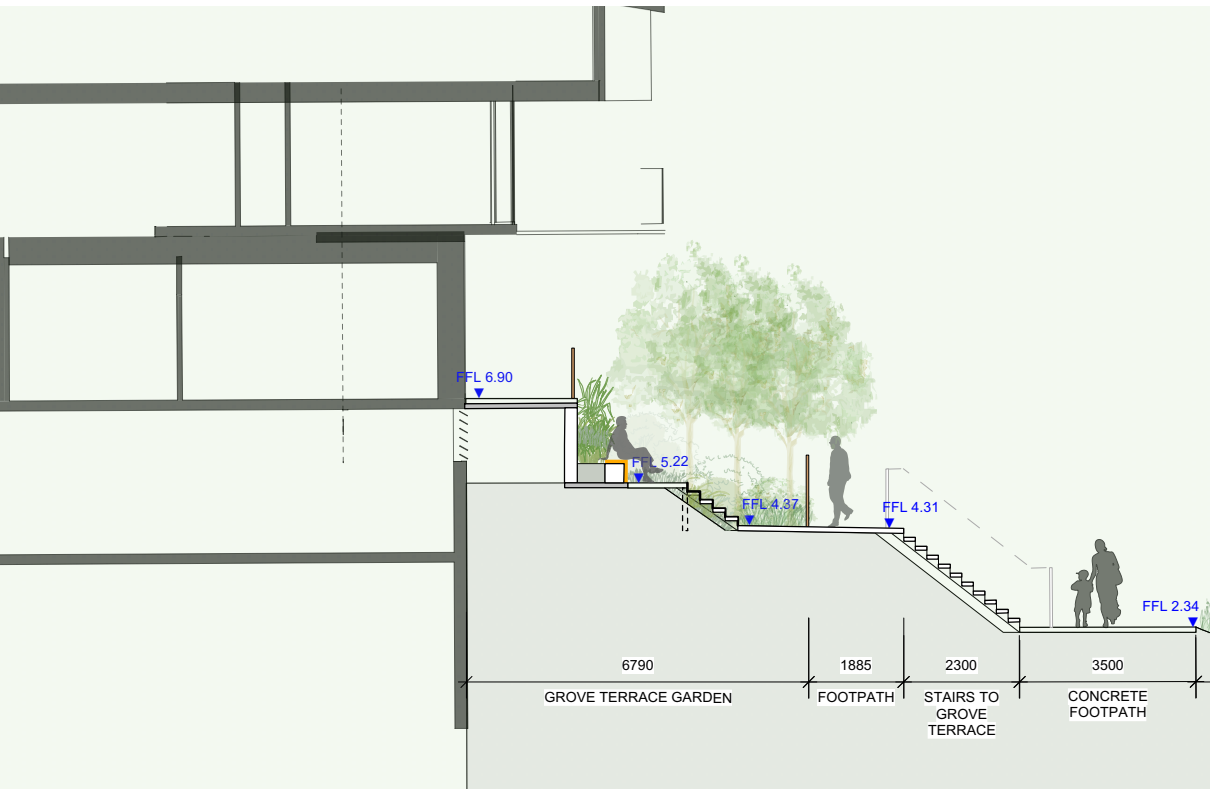
11017 Woollooware Bay Town Centre, Woollooware | RESIDENTIAL STAGE 3

Lower Ground | SECTION

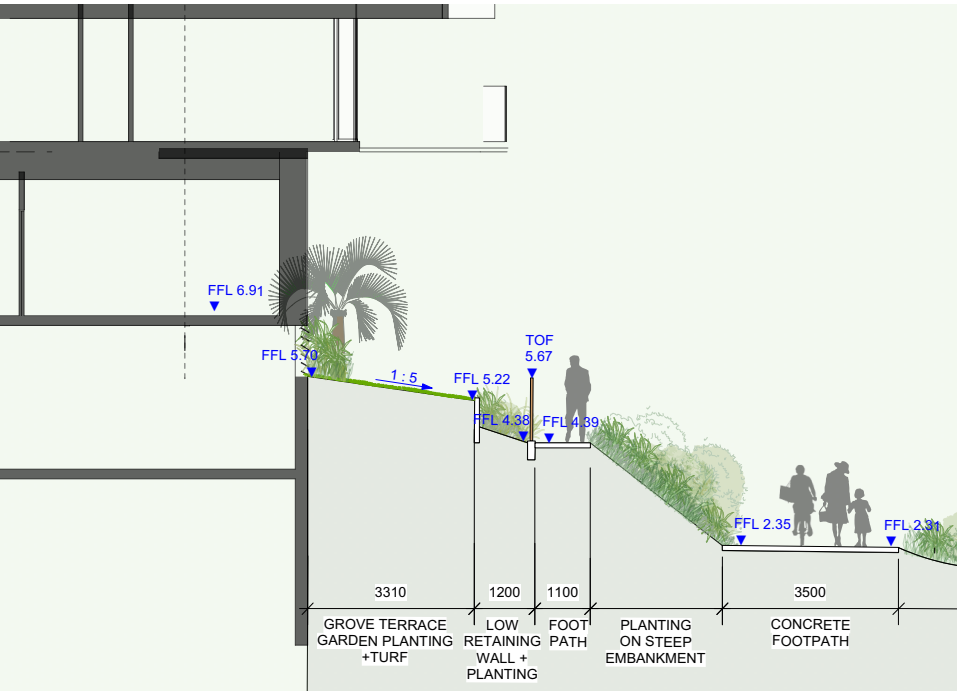
Grove Terrace | Section BB



Grove Terrace | Section CC



Grove Terrace | Section DD



Grove Terrace Precedents



Concrete stairs and platforms through mass planting

Climbers growing up battens to stair edge

Planting to multiple levels providing privacy to garden

11017 Woollooware Bay Town Centre, Woollooware | RESIDENTIAL STAGE 3

Ground Floor | SECTION



- | | |
|---|---|
| ① Main access pathway - Concrete | ⑧ Grove lane terraced planters |
| ② Secondary access paths through coastal planting | ⑨ Pergola structure with climbers |
| ③ BBQ shelter | ⑩ Grove lane seating nooks |
| ④ Feature dune pod with feature coastal tree + seating to walls | ⑪ Paved entrance to apartments |
| ⑤ Quiet courtyards | ⑫ Cascading planting over walls |
| ⑥ Dune mounds with coastal planting | ⑬ Communal vegetable/herb gardens - to be planted and maintained by residents |
| ⑦ Open lawn | |

11017 Woollooware Bay Town Centre, Woollooware | RESIDENTIAL STAGE 3

Level 1 Communal Courtyards | PLAN





Communal Courtyard Precedents



BBQ shelter and seating



Raised lawn nestled in planted mounds/ dunes



Paths weaving through planting

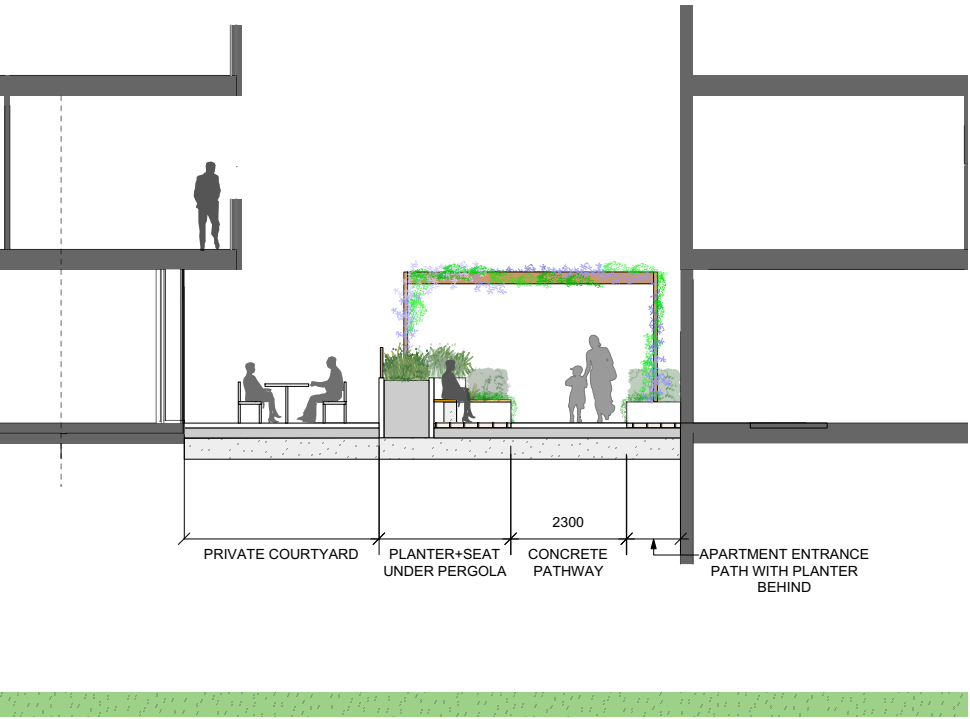


Raised areas for trees. Edge walls for seating

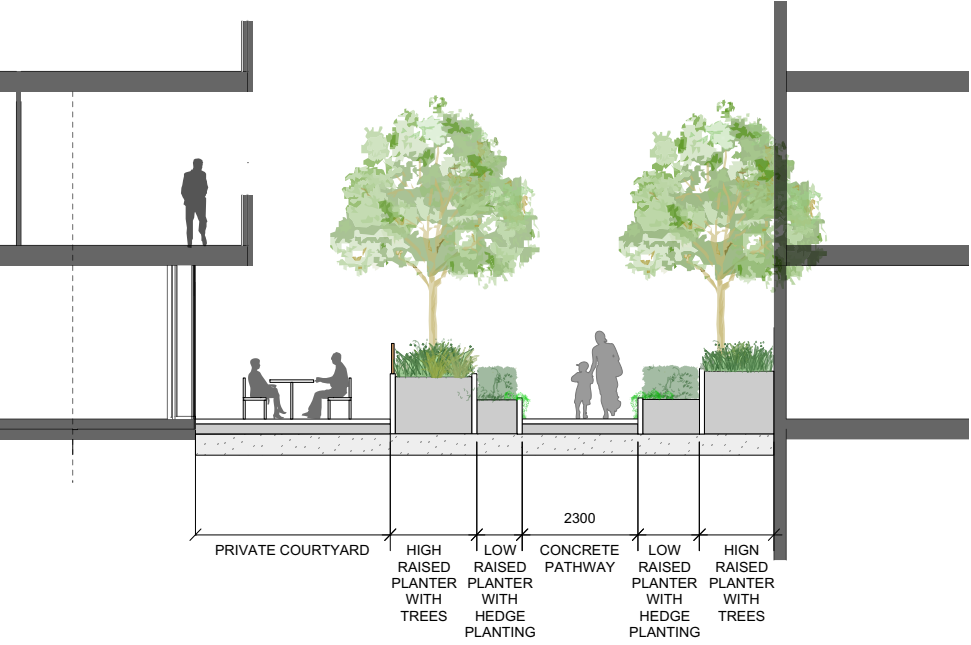
11017 Woollooware Bay Town Centre, Woollooware | RESIDENTIAL STAGE 3

Level 1 Communal Courtyards | SECTION CC

Communal Courtyard - Grove Lane | SECTION EE



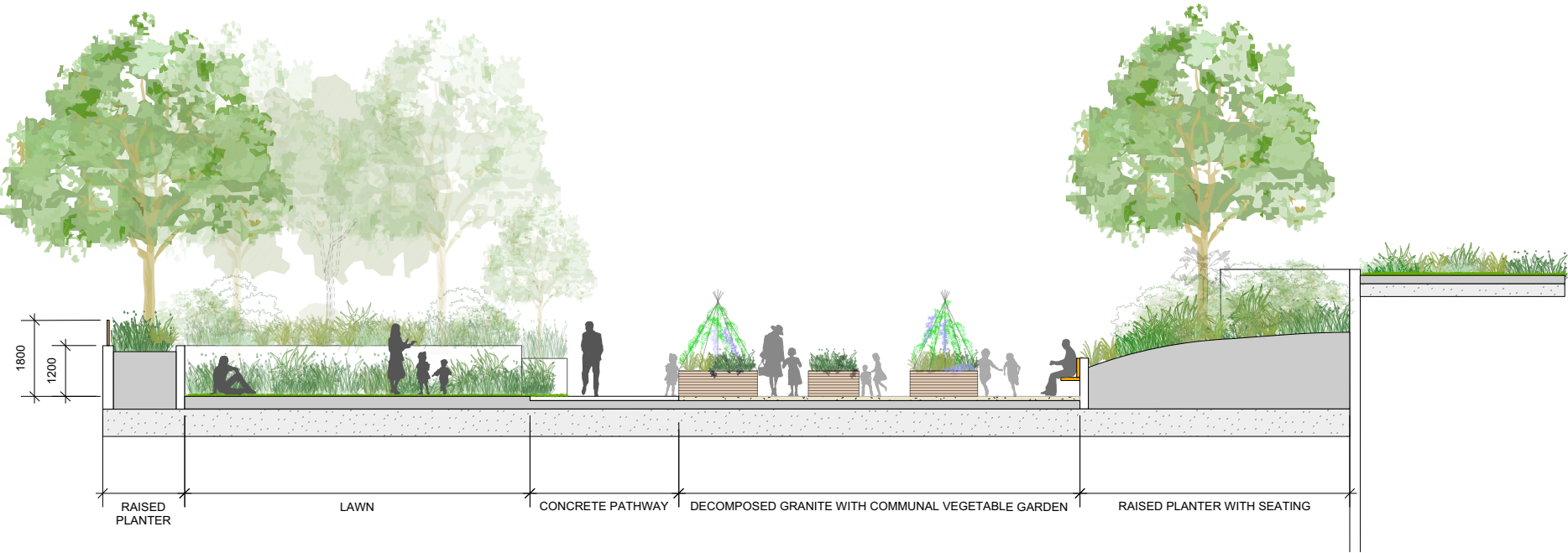
Communal Courtyard - Grove Lane | SECTION FF



Communal Courtyard Precedents



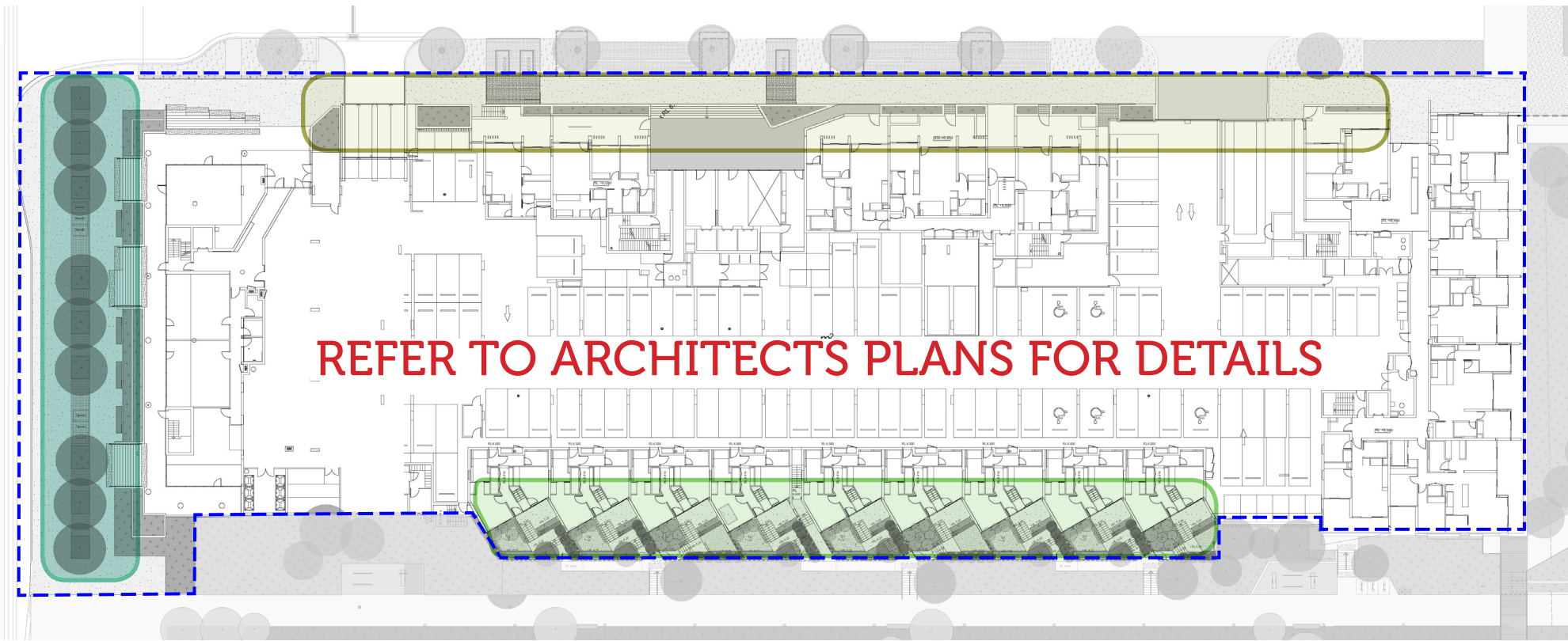
Communal Courtyard - North | SECTION GG



11017 Woollooware Bay Town Centre, Woollooware | RESIDENTIAL STAGE 3

Level 1 Communal Courtyards | SECTION DD

Planting Zones



Planting Types

Captain Cook Drive Foreshore Boulevard Grove Terrace Garden

Captain Cook Road



Central Road



Grove Terrace Garden



Planting Palette

Captain Cook Road		
Botanical Name	Common Name	Indigenous
Trees		
Agathis robusta	Queensland Kauri Pine	N
Grasses		
Dianella caerulea	Flax-lily	Y
Lomandra hystrix	Green matrush	N
Liriope muscari 'Isabella'	Isabella	Y
Isolepis nodosa	Knobby Club-rush	N
Dianella caerulea 'Little Jess'	Little Jess	Y
Dianella revoluta	Spreading Flax Lily	Y
Lomandra longifolia	Spiny-headed Mat-Rush	Y

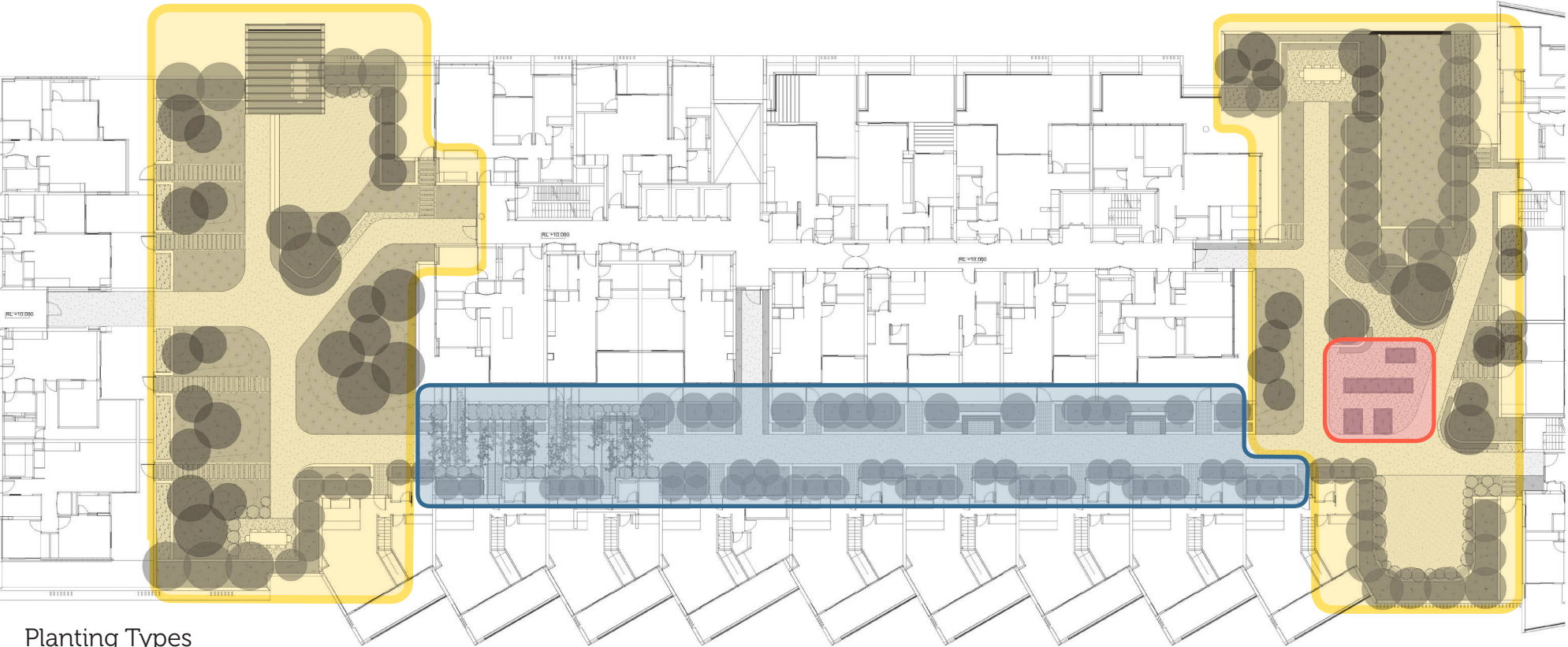
Central Road		
Botanical Name	Common Name	Indigenous
Shrubs		
Aloe plicatilis	Fan Aloe	N
Doryanthes excelsa	Gymea Lily, Giant Lily	N
Beschorneria yuccoides	Mexican Lily	N
Ground Covers		
Senecio mandraliscae	Blue Chalk Sticks	N
Westringia fruticosa 'Mundi'	Native Coastal Rosemary	N
Pimelea ferruginea	Pink Rice-flower	Y
Juniperus conferta	Shore Juniper	N
Climbers		
Pandorea pandorana	Wonga Vine	Y
Hardenbergia violacea	False Sarsparilla	Y

Grove Terrace Gardens		
Botanical Name	Common Name	Indigenous
Trees		
Cupaniopsis anacardioides	Tuckeroo	Y
Pandanus tectorius	Screw Pine	N
Rhipis excelsa	Broadleaf Lady Palm	Y
Shrubs		
Acmena smithii var. minor	Dwarf Lilly Pilly	N
Cordyline stricta	Narrow-leaved Palm Lily	N
Ground Covers		
Senecio mandraliscae	Blue Chalk Sticks	N
Actinotus helianthi	Flannel Flower	Y
Crassula ovata 'Gollum'	Gollum Jade Plant	N
Patersonia occidentalis	Long Purple Flag	N
Westringia fruticosa 'Mundi'	Native Rosemary	N
Pimelea ferruginea	Pink Rice-flower	Y
Juniperus conferta	Shore Juniper	N
Mesymbrianthum spp.	White-flowered Pig Face	Y
Grasses		
Liriope spicata	Creeping Lily Turf	N
Dianella caerulea	Flax-lily	Y
Lomandra hystrix	Green matrush	N
Liriope muscari 'Isabella'	Isabella	Y
Lomandra 'Lime Tuff'	Lime Tuff Mat-rush	Y
Dianella caerulea 'Little Jess'	Little Jess	Y
Dianella revoluta	Spreading Flax Lily	Y
Pennisetum alopecuroides 'Nafay'	Swamp Foxtail Grass	N
Liriope muscari 'Variegata'	Variegated Lily Turf	N
Climbers		
Pandorea pandorana	Wonga Wonga Vine	Y
Pandorea jasminoides 'Lady Di'	Lady Di	N

11017 Woollooware Bay Town Centre, Woollooware | RESIDENTIAL STAGE 3

Planting Strategy | Lower Ground & Ground Level

Planting Zones



Planting Types

- Dune Planting
- Grove Lane Planting
- Communal Edible Planters

Dune Planting



Pandanus tectorius



Glochidion ferdinandi



Banksia serrata



Allocasuarina littoralis



Aloe plicatilis



Doryanthes excelsa



Lomandra hystrix



Pennisetum alopecuroides 'Nafray'



Senecio mandraliscae



Pultenaea daphnoides



Juniperus conferta



Crassula ovata 'Gollum'

Grove Lane Planting



Banksia serrata



Callistemon viminalis



Pimelea ferruginea



Westringia fruticosa 'Smoky'



Actinotus helianthi



Westringia fruticosa 'Mundi'

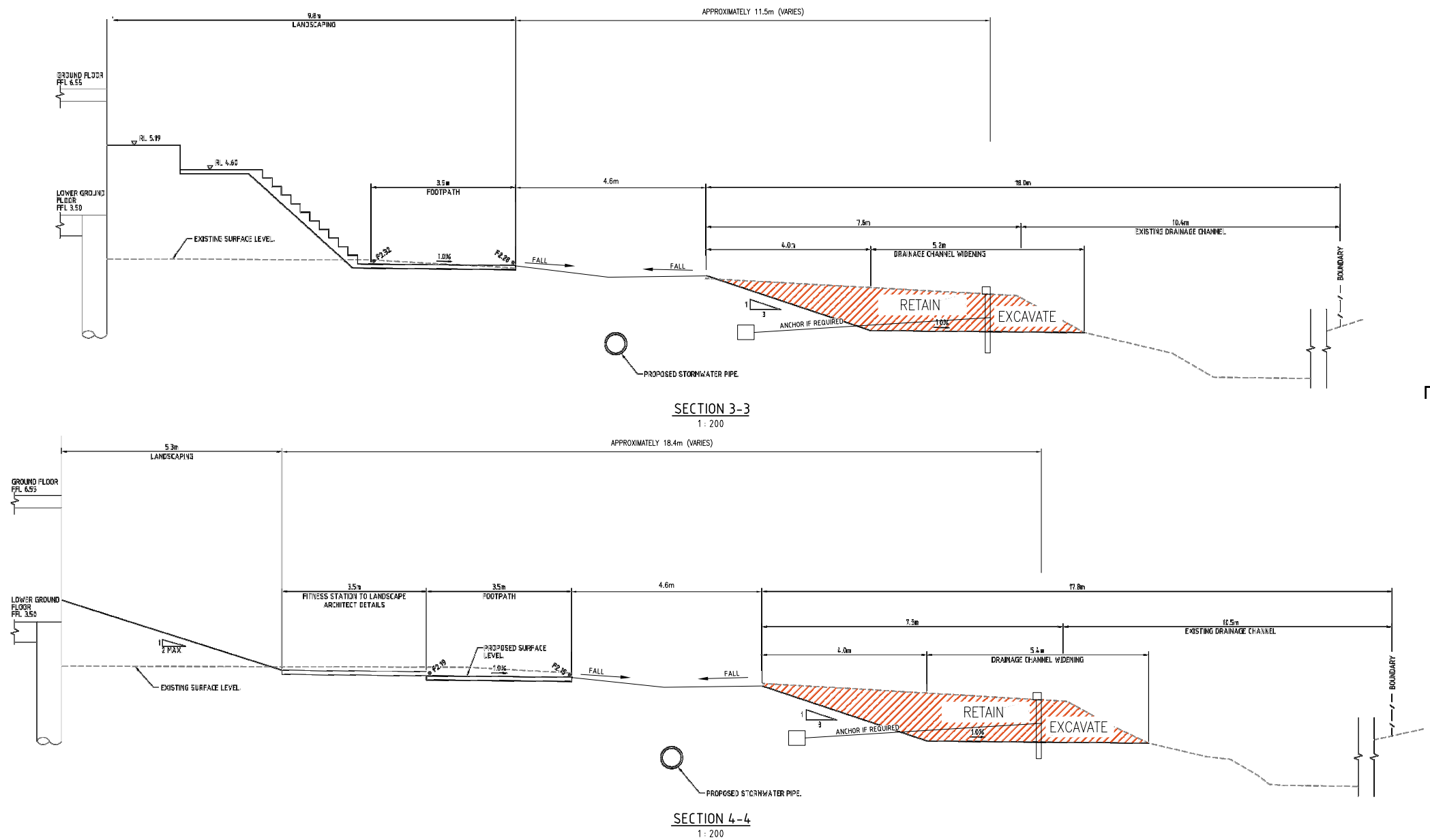
Planting Palette

Dune Planting		
Botanical Name	Common Name	Indigenous
Trees		
Allocasuarina littoralis	Black She Oak	Y
Glochidion ferdinandi	Cheese Tree	N
Banksia serrata	Old Man Banksia	Y
Pandanus tectorius	Screw Pine	N
Shrubs		
Aloe plicatilis	Fan Aloe	N
Doryanthes excelsa	Gynea Lily, Giant Lily	N
Cordyline stricta	Narrow-leaved Palm Lily	N
Beschorneria yuccoides	Mexican Lily	N
Ground Covers		
Senecio mandraliscae	Blue Chalk Sticks	N
Actinotus helianthi	Flannel Flower	Y
Crassula ovata 'Gollum'	Gollum Jade Plant	N
Westringia fruticosa 'Smokey'	Smokey Coast Rosemary	N
Westringia fruticosa 'Mundi'	Native Rosemary	N
Pimelea ferruginea	Pink Rice-flower	Y
Juniperus conferta	Shore Juniper	N
Pultenaea daphnoides	Slender Bush-pea	Y
Mesembrianthem spp.	White-flowered Pig Face	Y
Grasses		
Imperata cylindrica 'Yalba'	Blady grass	Y
Lomandra hystrix	Green matrush	N
Liriope muscari 'Isabella'	Isabella	Y
Pennisetum alopecuroides 'Nafray'	Swamp Foxtail Grass	N

Grove Lane Planting		
Botanical Name	Common Name	Indigenous
Trees		
Callistemon viminalis	Crimson Bottlebrush	Y
Olea europea	European Olive	N
Banksia serrata	Old Man Banksia	Y
Shrubs		
Westringia fruticosa 'Smokey'	Smokey Coast Rosemary	N
Ground Covers		
Actinotus helianthi	Flannel Flower	Y
Helichrysum petiolare	Licorice Plant	N
Westringia fruticosa 'Mundi'	Native Rosemary	N
Pimelea ferruginea	Pink Rice-flower	Y
Juniperus conferta	Shore Juniper	N
Grasses		
Liriope muscari 'Isabella'	Isabella	Y
Pennisetum alopecuroides 'Nafray'	Swamp Foxtail Grass	N

Communal Edible Garden (Indicative herbs)		
Botanical Name	Common Name	Indigenous
Herbs		
Mentha sp.	Mint	N
Thymus vulgaris	Thyme	N
Rosmarinus officinalis	Rosemary	N
Petroselinum crispum	Parsley	N

NOTE:
Communal edible garden to be planted and maintained by residents. Seasonal vegetable and herb to be grown.



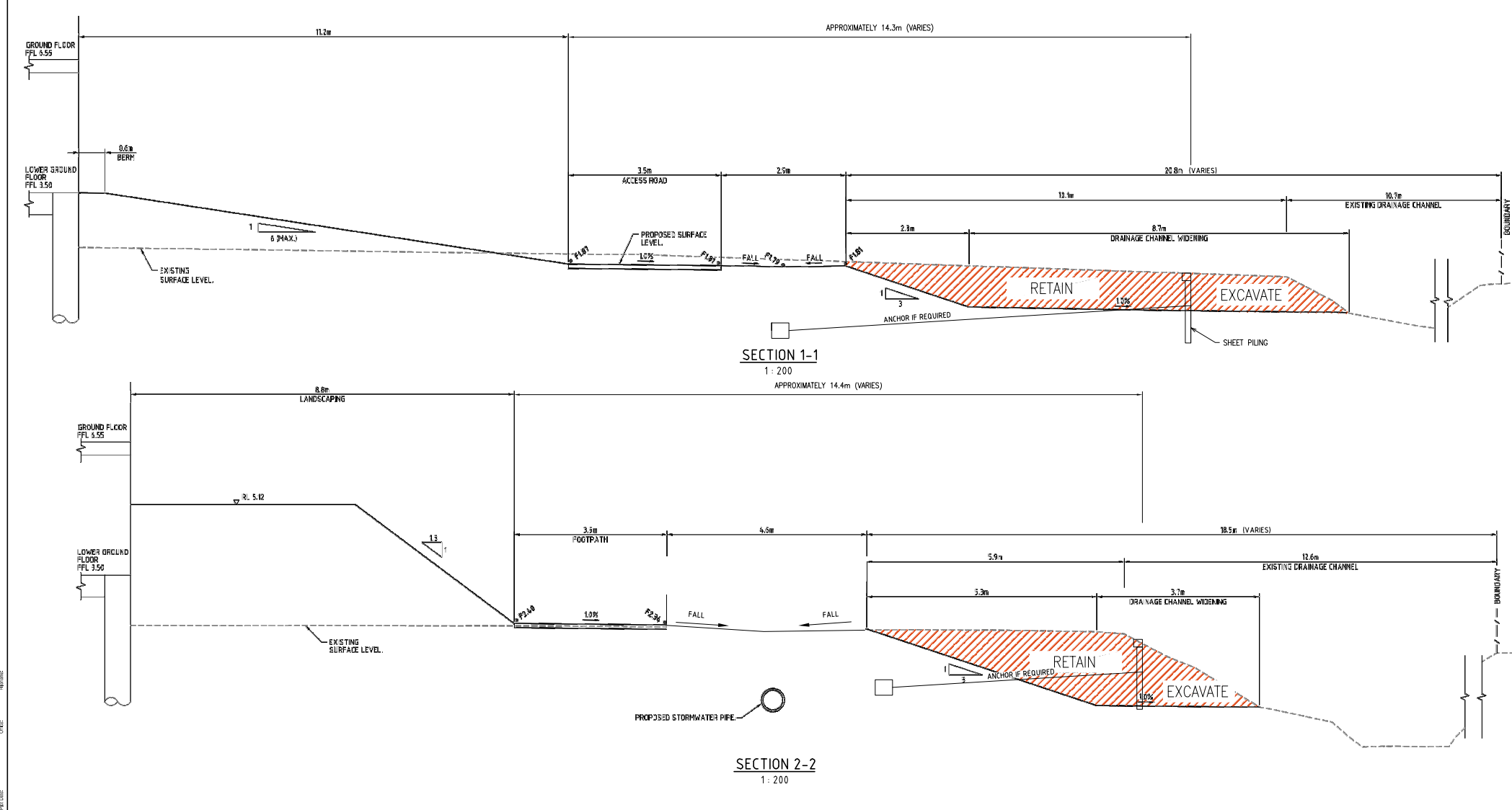
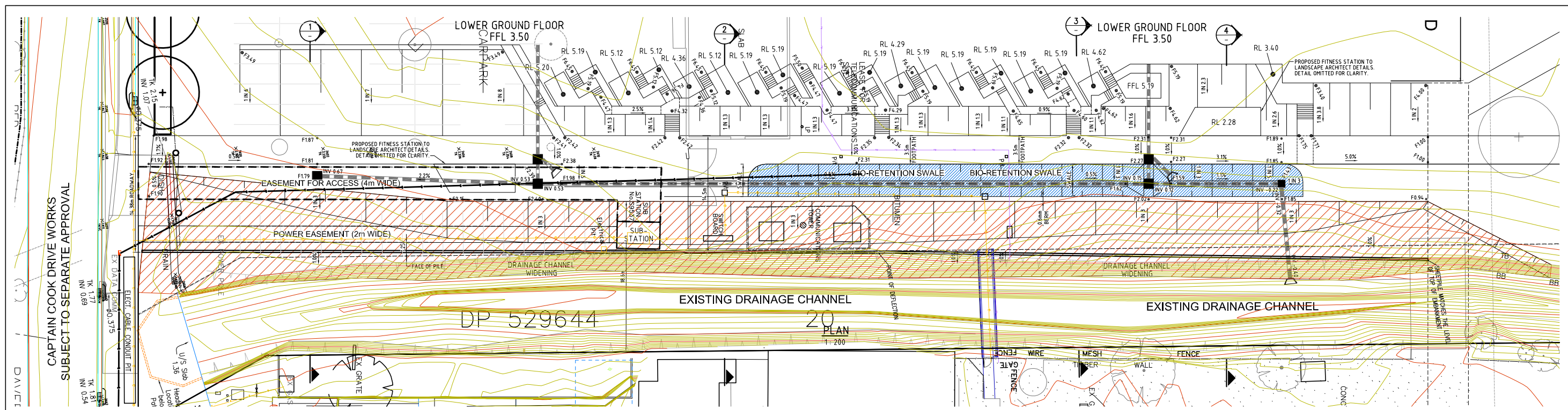
REV	DATE	REVISION DETAILS
A	18.11.2016	FOR DISCUSSION
B	21.11.2016	ISSUED FOR FLOOD MODELLING

DRAWN	APPROVAL
NE	CV
NE	CV

SCALE	SIZE
B1	B1
DRAWN	
DESIGNED	
CHECKED	

TENDER	NOT FOR CONSTRUCTION
APPROVED	DATE

PROJECT	WOOLLOOWARE BAY CIVIL
TITLE	PROTECTION OF AUSGRID PLAN
JOB No.	
DRAWING No.	SKC-29
REV	B



LEGEND	
	STORMWATER PIPE
	HEADWALL
	SURFACE INLET PIT
	PROPOSED PEDESTRIAN HANDRAIL TO LANDSCAPE ARCHITECTS DETAILS
	BIO-RETENTION SWALE
	EXISTING DRAINAGE CHANNEL WIDENING EARTHWORKS VOLUME 1,208m³

Calibre Consulting (NSW) Pty Ltd
Consulting Engineers
Structural-Civil
Level 7, 601 Pacific Highway,
St Leonards, NSW 1590, Australia
Tel: +61 2 9550 6999
www.calibreconsulting.co

PLAN
1:200

0 2 4 6 8 10 12 14 16m
1:200 B1 1:500 A3

REV	DATE	REVISION DETAILS	DRAWN	APPROVAL	SCALE	SIZE	TENDER	PROJECT	Woolloomare Bay CML
A	02.09.16	FOR DISCUSSION	NE	CV	1:200 (B1)	B1	NOT FOR CONSTRUCTION		
B	18.11.2016	FOR DISCUSSION	NE	CV					
C	21.11.2016	ISSUED FOR FLOOD MODELLING	NE	CV					

SCALE	SIZE	TENDER	PROJECT	Woolloomare Bay CML
DRAWN		APPROVED		
DESIGNED				
CHECKED				

TITLE	PROTECTION OF AUSGRID PLAN	CIVIL
JOB No.		
DRAWING No.	SKC-24	
REV	D	

SSPP (Sydney South) Business Paper Appendices - (29 November 2017) (2016SYE090) (DA16/11068)