

# RESIDENTIAL DEVELOPMENT 484-488 BRINGELLY ROAD, AUSTRAL



Suite 101, 506 Miller St CAMMERAY NSW 2062 Phone: 9922 5312 Fax: 8209 4982 Mob: 0413 861 351 www.conzept.net.au enquiries@conzept.net.au

SHEET #	DRAWING TITLE	REV.
/1	EXISTING TREE LOCATION	
	PLAN	В
/2	LANDSCAPE PLAN -	
	LOT A: GROUND FLOOR	В
/3	LANDSCAPE PLAN -	
	LOT B: GROUND FLOOR	В
/4	LANDSCAPE PLAN -	
	LOT C: GROUND FLOOR	В
/5	LANDSCAPE PLAN -	
	LOT D: GROUND FLOOR	В
/6	DETAILS 1	В
/6	DETAILS 2	В
/7	DETAILS 3	
	& SPECIFICATION	В

#### DRAWING SCHEDULE

DATE	NOTATION/AMENDMENT
03.07.17	Preliminary DA prepared for review
12.07.17	Amended to suit revised Architectural drawings
	03.07.17

#### LEGEND

#### **EXISTING VEGETATION**



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REV	DATE	NOTATION/AMENDMENT
Α	03.07.17	Preliminary DA prepared for review
В	06.07.17	Amended to suit revised Architectural drawings

RESIDENTIAL DEVELOPMENT 484-488 BRINGELLY ROAD

TITLE:		STATUS:	
EXISTING TREE LOCATION PLAN		DEVELOPMENT APPLICATION	
		SCALE:	DATE:
		1:150 @ A1	JUNE 2016
DWG.No:	PAGE NUMBER:	DRAWN:	CHECKED:
LPDA 18 - 01	1	E.H	R.F

Pot size:

Pot size:

NOTES

1. ALL FINAL PLANT QUANTITIES INDICATED ON PLANS SHALL BE CHECKED AND VERIFIED BY SUCCESSFUL LANDSCAPE CONTRACTOR. 2. ANY PLANT SUBSTITUTES REQUIRED DUE TO UNAVAILABILITY SHALL BE RECOMMENDED BY THE LANDSCAPE CONTRACTOR TO BEST MATCH SUBSTITUTED PLANTS

AND APPROVED PRIOR TO PURCHASING BY THE LANDSCAPE ARCHITECT.

- 3. WORKS CERTIFIED FOR FINAL OCCUPANCY CERTIFICATE ARE TO MATCH APPROVED LANDSCAPE PLANS.
- 4. LANDSCAPE CONTRACTOR SHALL LOCATE AND AVOID SITE STORM WATER & DRAINAGE SERVICES. LOCATE TREES A MINIMUM 1.25M FROM PITS 5. ALL PLANTING AROUND EXISTING TREES SHALL BE ADJUSTED TO AVOID DAMAGE AND CLASHING WITH SURFACE ROOTS

## TREES

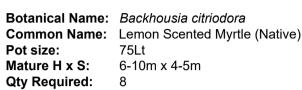


Mature H x S: 35-45m x 14-20m Qty Required: 3 **Botanical Name:** Flindersia australis **Common Name:** Crows Ash (Native) Pot size: 200Lt Mature H x S: 10-18m x 7-12m Qty Required: 3

Botanical Name: Corymbia maculata

**Common Name:** Spotted Gum (Native)

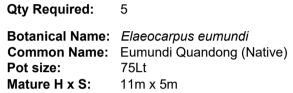
200Lt



**Botanical Name:** Brachychiton acerifolius **Common Name:** Illawarra Flame Tree (Native) 100Lt



Pot size: Mature H x S: 16m x 10m Qty Required: 2 Botanical Name: Waterhousia floribunda **Common Name:** Weeping Lilly Pilly (Native) Pot size: 75Lt Mature H x S: 10m x 6m



Qty Required: 19

**Botanical Name:** *Elaeocarpus reticulatus* **Common Name:** Blueberry Ash (Native) 75Lt Mature H x S: 8-10m x 3-4m Qty Required: 15

Botanical Name: Cornus florida **Common Name:** Flowering Dogwood (Exotic) 100Lt Mature H x S: 9m x 6m Qty Required: 2

## SHRUBS AND HEDGES

Pot size:

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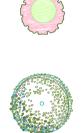
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Qty Required: 54

Pot size:

Pot size:



•

200mm Mature H x S: 2.5m x 1.8m Qty Required: 37 Botanical Name: Backhousia myrtifolia Common Name: Grey Myrtle (Native) Pot size: 200mm Mature H x S: 4-6m x 2-4m Qty Required: 18

**Botanical Name:** Syzygium 'Cascade'

**Common Name:** Cascade Lilly Pilly (Native)

**Botanical Name:** *Magnolia 'Little Gem'* **Common Name:** Magnolia Little Gem (Exotic) 45Lt Mature H x S: 4.5m x 1.5-2m Qty Required: 3

**Botanical Name:** Acmena 'Cherry Surprise' **Common Name:** Cherry Surprise Lilly Pilly (Native) 200mm Mature H x S: 2m x 1.5m

**Botanical Name:** Drepanostachyum falcatum **Common Name:** Blue Bamboo (Exotic) 200mm Mature H x S: 2.5m x 1.5m Qty Required: 18

Botanical Name: Syzygium australe 'Pinnacle' **Common Name:** Pinnacle Lilly Pilly (Native) 200mm Mature H x S: 6-8m x 1-1.5m Qty Required: 69

**Botanical Name:** Syzygium 'Tiny Trev' **Common Name:** Dwarf Lilly Pilly (Native) 200mm Mature H x S: 1m x 1m 60 Qty Required:

Botanical Name: Rhaphis excelsa **Common Name:** Rhaphis Palm (Exotic) 200mm Mature H x S: 3m x 1.5m Qty Required: 83

Botanical Name: Acmena 'Firescreen' **Common Name:** Firescreen Lilly Pilly (Native) 200mm Mature H x S: 3-4m x 2m Qty Required: 36

## **GRASSES + GROUNDCOVERS**

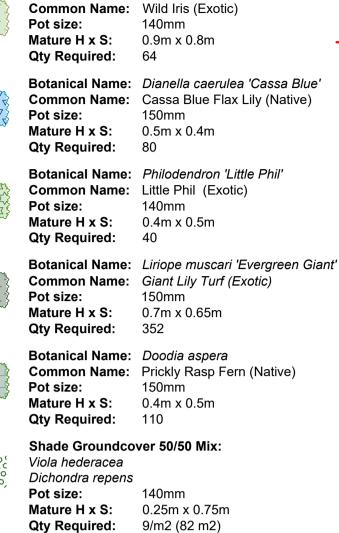


GENERAL NOTE:

Botanical Name: Dietes grandiflora **Common Name:** Fortnight Lily (Exotic) Pot size: 140mm Mature H x S: 0.9m x 0.8m Qty Required: 81

the notification period.

Pot size: Pot size: Pot size: Pot size:



Botanical Name: Dietes 'Bicolour'

## MATERIAL FINISHES

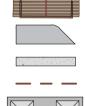
Turf area - refer detail

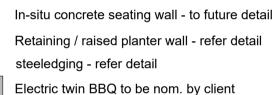
Synthetic turf - refer detail

Deco granite path - refer detail

Timber decking - to future detail

Timber Bench seat - refer detail





'Park Recliner' by Commercial Systems Australia 'Loop Stool' by Commercial Systems Australia

Concrete sleepers in groundcover - refer detail

'Odyssey' picnic setting by CSA

'Flagship' outdoor ping pong table by POPP

## LANDSCAPE PLAN NOTES

This plan has been prepared for DA approval only, not for construction.

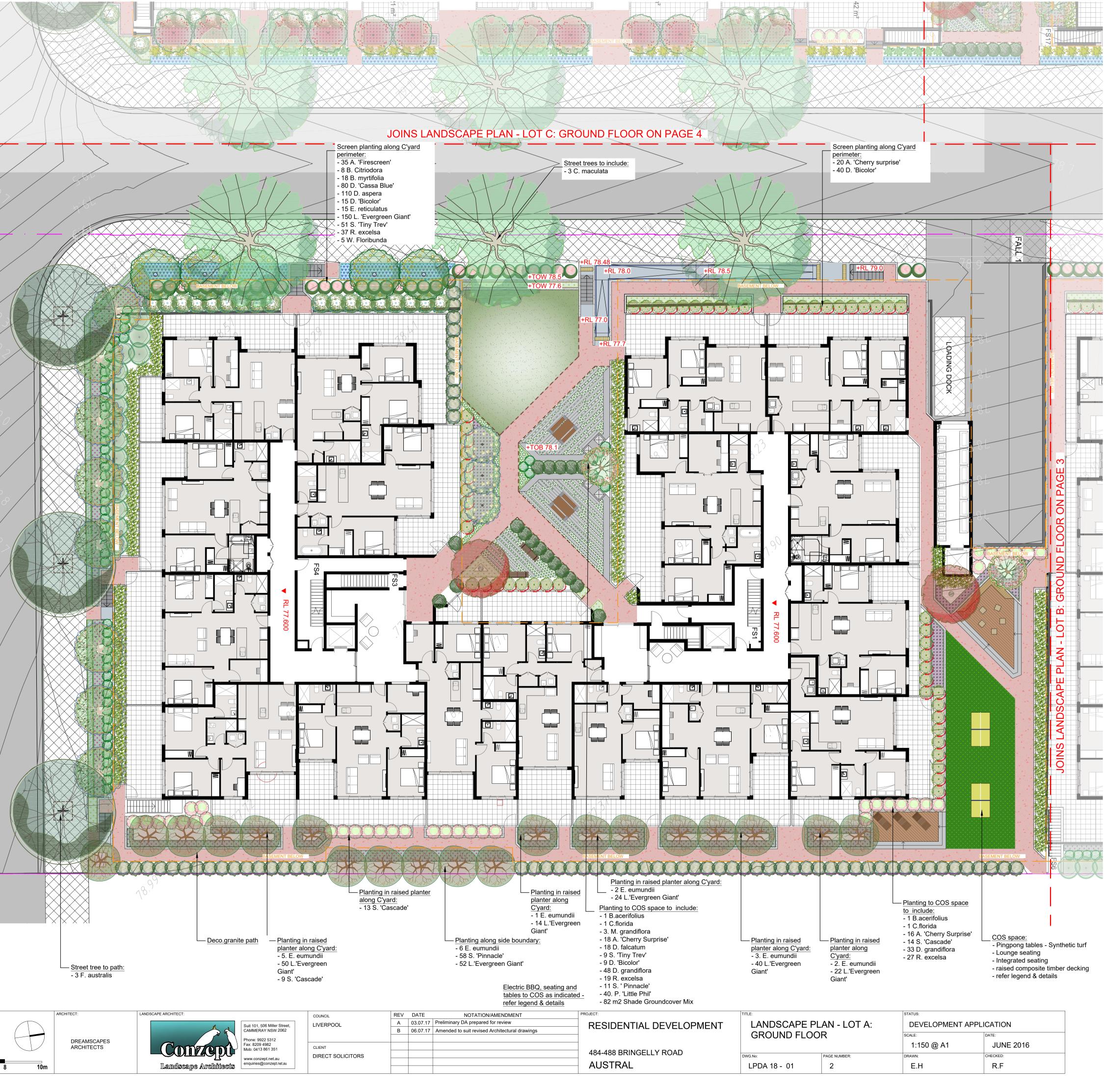
This plan should be read in conjunction with the architectural and hydraulics plans. Work specific to these plans should be prepared in accordance to these plans, including specification and details prior to the installation of landscaping, and should not be altered or compromised during landscape construction. Retaining wall details to engineers design.

Elements such as drainage swales may be incorporated in garden bed areas (using non-floatable mulch) without compromising the capacity or form.

This plan has been prepared with reference to Liverpool Councils Landscaping Guidelines & requirements. Planting proposed using commercially available plant species selected from local planting lists and the BASIX local plant list and from Sydney Waters "Plant Selector" web site one-drip rated native plants (acceptable for Basix planting).

The Design & location of new letter boxes shall be in accordance with Australia Post's "Requirements for Delivery of Mail to Residential Premises" published Feb '97. All noxious weeds listed in Councils weed lists & located on the site shall be continually removed & suppressed. Reinstate all boundary fencing in poor condition with Council approved 1.8m fencing to rear of building line, rake to 1m forward of BL. Pollution, sediment & erosion control devices as specified shall be in place, and maintained for the duration of the construction period. Proposed excavation near existing established trees to be supervised by arborist.

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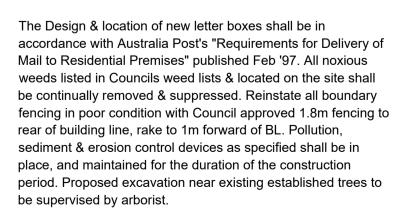
6

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#### 5. ALL PLANTING AROUND EXISTING TREES SHALL BE ADJUSTED TO AVOID DAMAGE AND CLASHING WITH SURFACE ROOTS TREES Botanical Name: Grevillea 'Bronze Rambler' **Common Name:** Bronze Rambler (Native) Botanical Name: Corymbia maculata 140mm Pot size: **Common Name:** Spotted Gum (Native) Mature H x S: 0.3m x spreading 100L t Pot size: Qty Required: 7/m2 (18m2 total) Mature H x S: 35-45m x 14-20m Botanical Name: Dietes grandiflora Qty Required: 6 **Common Name:** Fortnight Lily (Exotic) 4 4 4 4 4 4 4 4 4 4 **Botanical Name:** Brachychiton acerifolius 140mm Pot size: & 11 11 11 11 **Common Name:** Illawarra Flame Tree (Native) Mature H x S: 0.9m x 0.8m 100Lt Pot size: Qty Required: 80 Mature H x S: 16m x 10m Qty Required: 1 Botanical Name: Dietes 'Bicolour' **Common Name:** Wild Iris (Exotic) Botanical Name: Corymbia ficifolia 'Summer Red' Pot size: 140mm **Common Name:** Dwarf Flowering Gum (Native) Mature H x S: 0.9m x 0.8m 75Lt Pot size: Qty Required: 66 Mature H x S: 5m x 3m Botanical Name: Philodendron 'Little Phil' Qty Required: 14 **Common Name:** Little Phil (Exotic) **Botanical Name:** *Elaeocarpus reticulatus* Pot size: 140mm **Common Name:** Blueberry Ash (Native) Mature H x S: 0.4m x 0.5m Pot size: 75Lt Qty Required: 45 Mature H x S: 8-10m x 6-7m Qty Required: 49 Botanical Name: Liriope muscari 'Evergreen Giant' **Common Name:** Giant Lily Turf (Exotic) Botanical Name: Cornus florida 150mm Pot size: **Common Name:** Flowering Dogwood (Exotic) Mature H x S: 0.7m x 0.65m 100Lt Pot size: Qty Required: 54 Mature H x S: 9m x 6m Qty Required: Shade Groundcover 50/50 Mix: Viola hederacea Dichondra repens 140mm Pot size: SHRUBS AND HEDGES Mature H x S: 0.25m x 0.75m **Botanical Name:** Syzygium 'Cascade' **Qty Required:** 9/m2 (115.7 m2) **Common Name:** Cascade Lilly Pilly (Native) Pot size: 200mm Mature H x S: 2.5m x 1.8m Qty Required: 19 **Botanical Name:** Callistemon 'Great Balls of Fire' **Common Name:** GBOF Bottlebrush (Native) 200mm Pot size: Mature H x S: 1.8m x 1.5m **MATERIAL FINISHES** Qty Required: 26 **Botanical Name:** *Magnolia 'Little Gem'* Turf area - refer detail **Common Name:** Magnolia Little Gem (Exotic) 45Lt Pot size: Deco granite path - refer detail Mature H x S: 4.5m x 1.5-2m Qty Required: 3 Concrete sleepers in groundcover - refer detail Botanical Name: Acmena 'Cherry Surprise' **Common Name:** Cherry Surprise Lilly Pilly (Native) Timber Bench seat - refer detail Pot size: 200mm Mature H x S: 2m x 1.5m In-situ concrete seating wall - to future detail Qty Required: 37 Retaining / raised planter wall - refer detail Botanical Name: Acmena 'Firescreen' steeledging - refer detail **Common Name:** Firescreen Lilly Pilly (Native) \_ \_ \_ 200mm Pot size: Electric twin BBQ to be nom. by client Mature H x S: 3-4m x 2m Qty Required: 30 'Odyssey' picnic setting by CSA Botanical Name: Drepanostachyum falcatum **Common Name:** Blue Bamboo (Exotic) Pot size: 200mm Mature H x S: 2.5m x 1.5m Qty Required: 18 **Botanical Name:** Syzygium australe 'Pinnacle' **Common Name:** Pinnacle Lilly Pilly (Native) Pot size: 200mm Mature H x S: 6-8m x 1-1.5m LANDSCAPE PLAN NOTES Qty Required: 9 **Botanical Name:** *Syzygium 'Tiny Trev'* This plan has been prepared for DA approval only, not for **Common Name:** Dwarf Lilly Pilly (Native) construction. This plan should be read in conjunction with the 200mm Pot size: architectural and hydraulics plans. Work specific to these plans Mature H x S: 1m x 1m Qty Required: 70 should be prepared in accordance to these plans, including specification and details prior to the installation of landscaping, Botanical Name: Rhaphis excelsa and should not be altered or compromised during landscape **Common Name:** Rhaphis Palm (Exotic) construction. Retaining wall details to engineers design. Pot size: 200mm Elements such as drainage swales may be incorporated in Mature H x S: 3m x 1.5m garden bed areas (using non-floatable mulch) without Qty Required: 19 compromising the capacity or form. Botanical Name: Dodonaea viscosa 'Purpurea' **Common Name:** *Purple Sticky Hop Bush (Native)* This plan has been prepared with reference to Liverpool Pot size: 200mm Councils Landscaping Guidelines & requirements. Planting **Mature H x S:** 2m x 1.5m proposed using commercially available plant species selected Qty Required: 19 from local planting lists and the BASIX local plant list and from Sydney Waters "Plant Selector" web site one-drip rated native plants (acceptable for Basix planting).



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GENERAL NOTE

Pot size:

**GRASSES + GROUNDCOVERS** 

Pot size:

Pot size:

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Botanical Name: Lomandra longifollia 'Tanika' **Common Name:** Dwarf Mat Rush (Native) 150mm Mature H x S: 0.8m x 0.8m **Qty Required:** 269 **Botanical Name:** *Pennisetum alopecuroides* **Common Name:** Swamp Foxtail (Native) 140mm Mature H x S: 1m x 1m Qty Required: tbc **Botanical Name:** Grevillea 'Royal Mantle' **Common Name:** Royal Mantle Grevillea (Native) 140mm Mature H x S: 0.3m x spreading

Qty Required: 7/m2 (12m2 total)

retain the right to withdraw this information from the

the notification period.

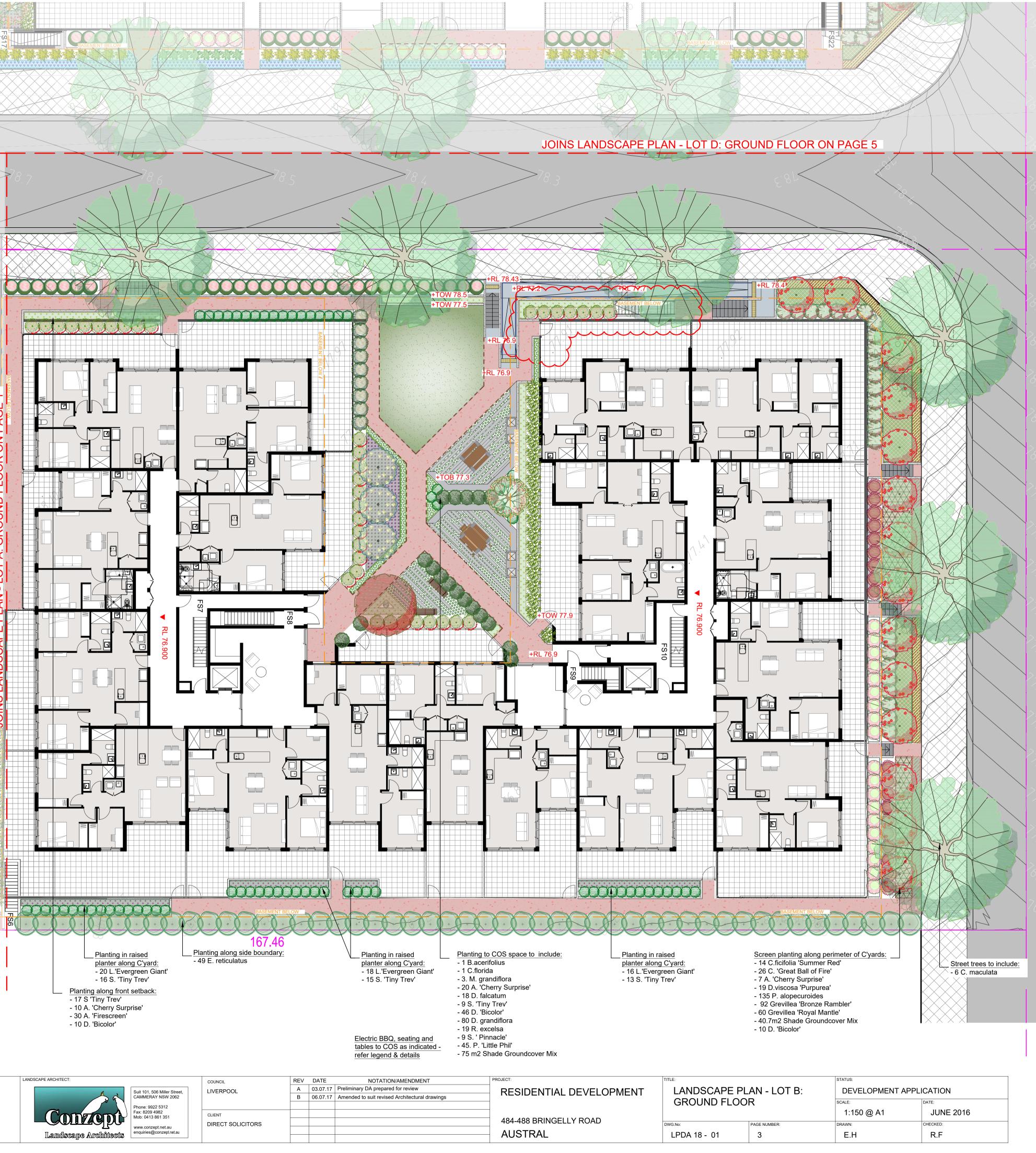


10m

6

DREAMSCAPES ARCHITECTS

RCHITEC



GROUND FLOOR     SCALE:     DATE:       1:150 @ A1     JUNE 2016       DWG.No:     PAGE NUMBER:     DRAWN:       LPDA 18 - 01     3     E.H     R.F	LANDSCAPE PLAN - LOT B:		STATUS: DEVELOPMENT A	STATUS: DEVELOPMENT APPLICATION		
	GROUND FLO	DOR				
LPDA 18 - 01 3 E.H R.F	DWG.No:	PAGE NUMBER:	DRAWN:	CHECKED:		
	LPDA 18 - 01	3	E.H	R.F		

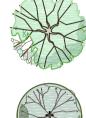
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### TREES



**Common Name:** Spotted Gum (Native) 200Lt Pot size: Mature H x S: 35-45m x 14-20m Qty Required: 3 **Botanical Name:** Flindersia australis **Common Name:** Crows Ash (Native) Pot size: 200Lt Mature H x S: 10-18m x 7-12m

Botanical Name: Corymbia maculata



Qty Required: 2 Botanical Name: Backhousia citriodora Common Name: Lemon Scented Myrtle (Native) Pot size: 75Lt

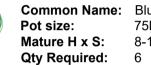
Mature H x S: 6-10m x 4-5m 4



Qty Required: Botanical Name: Ceratopetalum gummiferum 'Summer Red' **Common Name:** NSW Christmas Bush (Native) 300mm Pot size: Mature H x S: 5-8m x 3-4m Qty Required: 13



Botanical Name: Waterhousia floribunda **Common Name:** Weeping Lilly Pilly (Native) Pot size: 75Lt Mature H x S: 10m x 6m



Qty Required: 8 **Botanical Name:** Elaeocarpus reticulatus **Common Name:** Blueberry Ash (Native) 75Lt Mature H x S: 8-10m x 3-4m

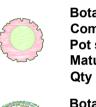
## SHRUBS AND HEDGES

Pot size:

Pot size:

Pot size:

Pot size:

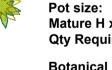


**Botanical Name:** Syzygium 'Cascade' **Common Name:** Cascade Lilly Pilly (Native) Pot size: 200mm Mature H x S: 2.5m x 1.8m Qty Required: 14 Botanical Name: Backhousia myrtifolia **Common Name:** Grey Myrtle (Native) 200mm Mature H x S: 4-6m x 2-4m

Qty Required: 54 Botanical Name: Syzygium australe 'Pinnacle' **Common Name:** Pinnacle Lilly Pilly (Native) 200mm

Mature H x S: 6-8m x 1-1.5m Qty Required: 68 **Botanical Name:** Syzygium 'Tiny Trev' **Common Name:** Dwarf Lilly Pilly (Native)

200mm Mature H x S: 1m x 1m Qty Required: 16 **Botanical Name:** Doryanthes excelsa **Common Name:** Gymea Lily (Native)



45L Mature H x S: 1.1m x 1m Qty Required: 25 **Botanical Name:** Crinum pedunculatum **Common Name:** Swamp Lily (Native) 300mm



**GRASSES + GROUNDCOVERS** 

Qty Required: 32

Mature H x S: 1m x 1m



**Common Name:** Fortnight Lily (Exotic) 140mm Mature H x S: 0.9m x 0.8m Qty Required: 111

Pot size: Qty Required: 294



GENERAL NOTE:

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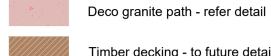
Botanical Name: Dianella caerulea 'Cassa Blue' **Common Name:** Cassa Blue Flax Lily (Native) 150mm Pot size: Mature H x S: 0.5m x 0.4m Qty Required: 100

Pot size:

Botanical Name: Doodia aspera

**Common Name:** Prickly Rasp Fern (Native) 150mm Mature H x S: 0.4m x 0.5m Qty Required: 52

## MATERIAL FINISHES



Timber decking - to future detail

Retaining / raised planter wall - refer detail

steeledging - refer detail

'Park Recliner' by Commercial Systems Australia

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FALL 1:40 FALL 1 RCHITEC



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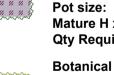
Bar Scale

6

ARCHITECTS

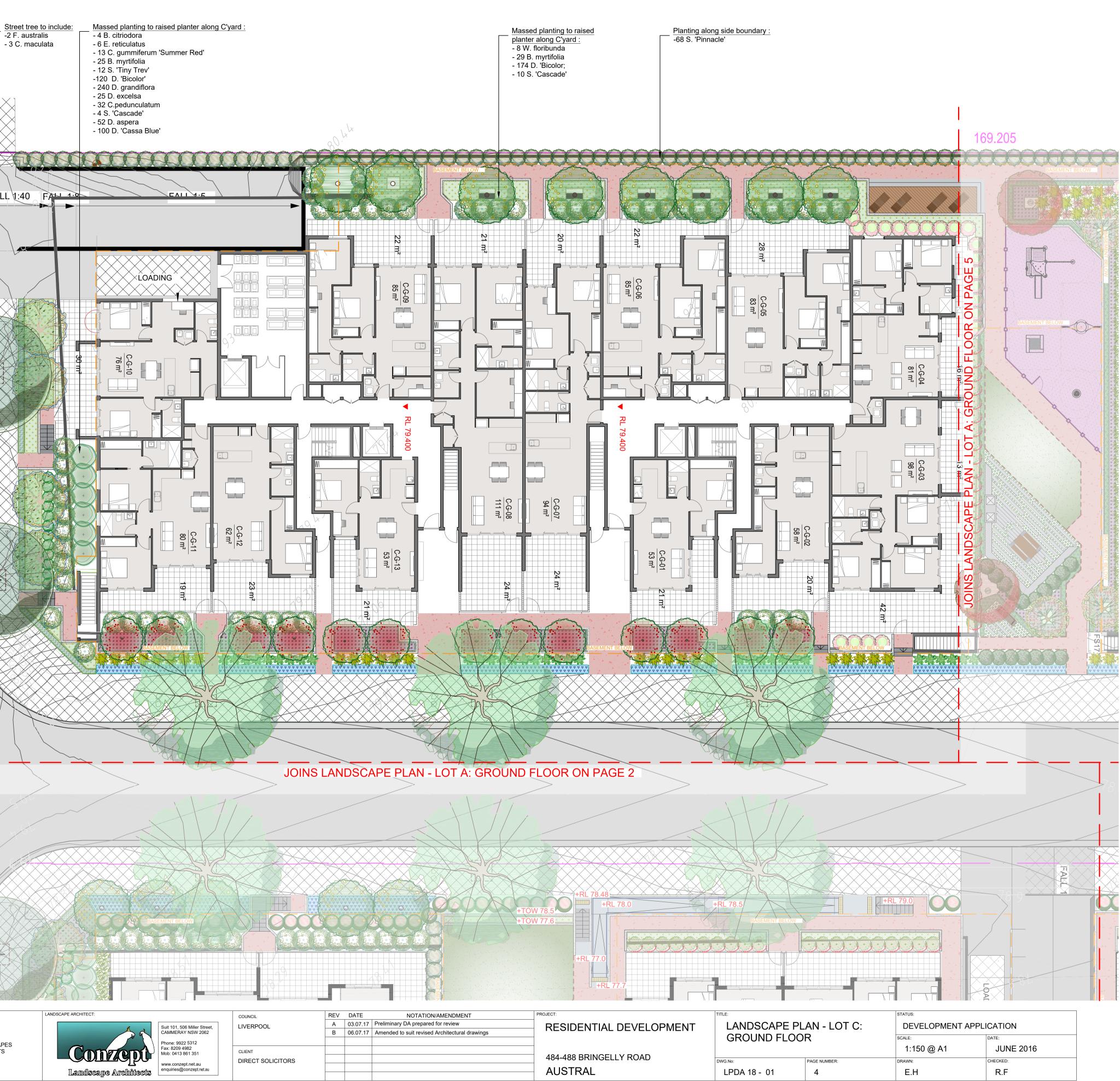
10m

DREAMSCAPES



Botanical Name: Dietes 'Bicolour' **Common Name:** Wild Iris (Exotic) 140mm Mature H x S: 0.9m x 0.8m

Botanical Name: Dietes grandiflora



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TREES				Botanical Name:	Grevillea 'Royal Mantle'		
IREES	Botanical Name:	Corymbia maculata		Common Name: Pot size:	Royal Mantle Grevillea (Native) 140mm		
	Common Name: Pot size: Mature H x S:	Spotted Gum (Native) 100Lt 35-45m x 14-20m		Mature H x S: Qty Required:	0.3m x spreading 7/m2 <b>(20m2 total)</b>		
Star ( )	Qty Required:	5		Common Name:	<i>Dietes grandiflora</i> Fortnight Lily (Exotic)		
	Botanical Name: Common Name: Pot size:	<i>Brachychiton acerifolius</i> Illawarra Flame Tree (Native) 100Lt		Pot size: Mature H x S: Qty Required:	140mm 0.9m x 0.8m 100		
Service and the service of the servi	Mature H x S: Qty Required:	16m x 10m 2		Botanical Name:	Dietes 'Bicolour'		
	Botanical Name: Common Name:	<i>Corymbia ficifolia 'Summer Red'</i> Dwarf Flowering Gum (Native)		Common Name: Pot size: Mature H x S:	Wild Iris (Exotic) 140mm 0.9m x 0.8m	169.205	
	Pot size: Mature H x S:	75Lt 5m x 3m		Qty Required:	20		BASEMEN
	Qty Required: Botanical Name:	5 Cornus florida		Botanical Name: Common Name: Pot size:	<i>Dianella caerulea 'Cassa Blue'</i> Cassa Blue Flax Lily (Native) 150mm		
	Common Name: Pot size:	Flowering Dogwood (Exotic) 100Lt		Mature H x S: Qty Required:	0.5m x 0.4m 100		
	Mature H x S: Qty Required:	9m x 6m 2	0000000	Shade Groundco Viola hederacea	ver 50/50 Mix:		
SHRUBS	AND HEDG	FS		Dichondra repens Pot size:	140mm		T
	Botanical Name:	Syzygium 'Cascade'		Mature H x S: Qty Required:	0.25m x 0.75m 9/m2 (44m2)		<u>i</u>
	Common Name: Pot size: Mature H x S:	Cascade Lilly Pilly (Native) 200mm 2.5m x 1.8m					
	Qty Required:	53					
ACT IN THE REAL PROPERTY AND A DECEMBER OF A	Botanical Name: Common Name: Pot size:	<i>Callistemon 'Great Balls of Fire'</i> GBOF Bottlebrush (Native) 200mm					
The second second	Mature H x S: Qty Required:	1.8m x 1.5m 30	MATERIA	L FINISHES	\$		
	Botanical Name: Common Name:	<i>Backhousia myrtifolia</i> Grey Myrtle (Native)		Turf area - refer de			
•	Pot size: Mature H x S:	200mm 4-6m x 2-4m		Deco granite path	- refer detail		
	Qty Required: Botanical Name:	13 Acmena 'Cherry Surprise'		Rubberised softfal	I		A
	Common Name: Pot size:	Cherry Surprise Lilly Pilly (Native) 200mm		Concrete sleepers	in groundcover - refer detail		4.D.
and the second sec	Mature H x S: <i>Qty Required:</i>	2m x 1.5m 29		Timber Bench sea	t - refer detail		
	Botanical Name: Common Name: Pot size:	<i>Acmena 'Firescreen'</i> Firescreen Lilly Pilly (Native) 200mm			ating wall - to future detail		
	Mature H x S: Qty Required:	3-4m x 2m 20		Retaining / raised steeledging - refer	planter wall - refer detail <sup>.</sup> detail		
Stillion	Botanical Name: Common Name:	<i>Drepanostachyum falcatum</i> Blue Bamboo (Exotic)	-0	1.2m playground for standards	encing & gate to relevant		44000 2020 2020 2020 2020 2020 2020 202
	Pot size: Mature H x S:	200mm 2.5m x 1.5m		Electric twin BBQ	to be nom. by client		132300000000000000000000000000000000000
<i></i>	<i>Qty Required:</i> Botanical Name:	17 Syzygium australe 'Pinnacle'		'Odyssey' picnic se	etting by CSA		1200 120 11 1000 1200 1200
	Common Name: Pot size:	Pinnacle Lilly Pilly (Native) 200mm					
	Mature H x S: Qty Required:	6-8m x 1-1.5m 81					
HAT E	Botanical Name: Common Name:	, Rhaphis Palm (Exotic)					
TAKE	Pot size: Mature H x S: Qty Required:	200mm 3m x 1.5m 32	LANDSC				
	Botanical Name:	Dodonaea viscosa 'Purpurea'	This plan has	been prepared for	DA approval only, not for		
A company of the second	Common Name: Pot size: Mature H x S:	<i>Purple Sticky Hop Bush (Native)</i> 200mm 2m x 1.5m	architectural an	d hydraulics plans.	read in conjunction with the Work specific to these plans		
	Qty Required: Botanical Name:	14 Doryanthes excelsa	specification an	nd details prior to the	to these plans, including installation of landscaping,		
	Common Name: Pot size:	Gymea Lily (Native) 45L	construction. R	etaining wall detail	omised during landscape s to engineers design. may be incorporated in		
4005	Mature H x S: Qty Required:	1.1m x 1m 38	garden bed are	as (using non-floata he capacity or form.	ble mulch) without		
_ 11-	Botanical Name: Common Name:	<i>Crinum pedunculatum</i> Swamp Lily (Native)			eference to <i>Liverpool</i>		
	Pot size: Mature H x S:	300mm 1m x 1m	proposed using	commercially availa	& requirements. Planting able plant species selected		
	Qty Required: Botanical Name:	19 Phormium tenax 'Bronze Warrior'	Sydney Waters	"Plant Selector" we	SIX local plant list and from b site one-drip rated native		
*	Common Name: Pot size:	<i>BW New Zeakand Flax (Native)</i> 300mm		able for Basix plant			
	Mature H x S: Qty Required:	1.5m x 0.9m 11	accordance wit		boxes snall be in Requirements for Delivery of shed Feb '97. All noxious		
GRASSE	S + GROUN	DCOVERS	weeds listed in	Councils weed lists	& located on the site shall be Reinstate all boundary		FAL
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		<i>Lomandra longifollia 'Tanika'</i> Dwarf Mat Rush (Native)	fencing in poor	condition with Coun	cil approved 1.8m fencing to vard of BL. Pollution,		
	Pot size: Mature H x S:	150mm 0.8m x 0.8m	sediment & ero place, and mair	sion control devices ntained for the durati	as specified shall be in ion of the construction		
	Qty Required:	60	period. Propose be supervised b		existing established trees to		
	Botanical Name: Common Name: Pot size:	<i>Pennisetum alopecuroides</i> Swamp Foxtail (Native) 140mm	D.A approved la	andscape plan's are	required to be constructed		

D.A approved landscape plan's are required to be constructed as approved to obtain occupancy certificate. Permeable areas may be indicated to achieve site coverage restrictions & should be constructed as drawn on this plan.

> DREAMSCAPES ARCHITECTS

ARCHITECT

10m

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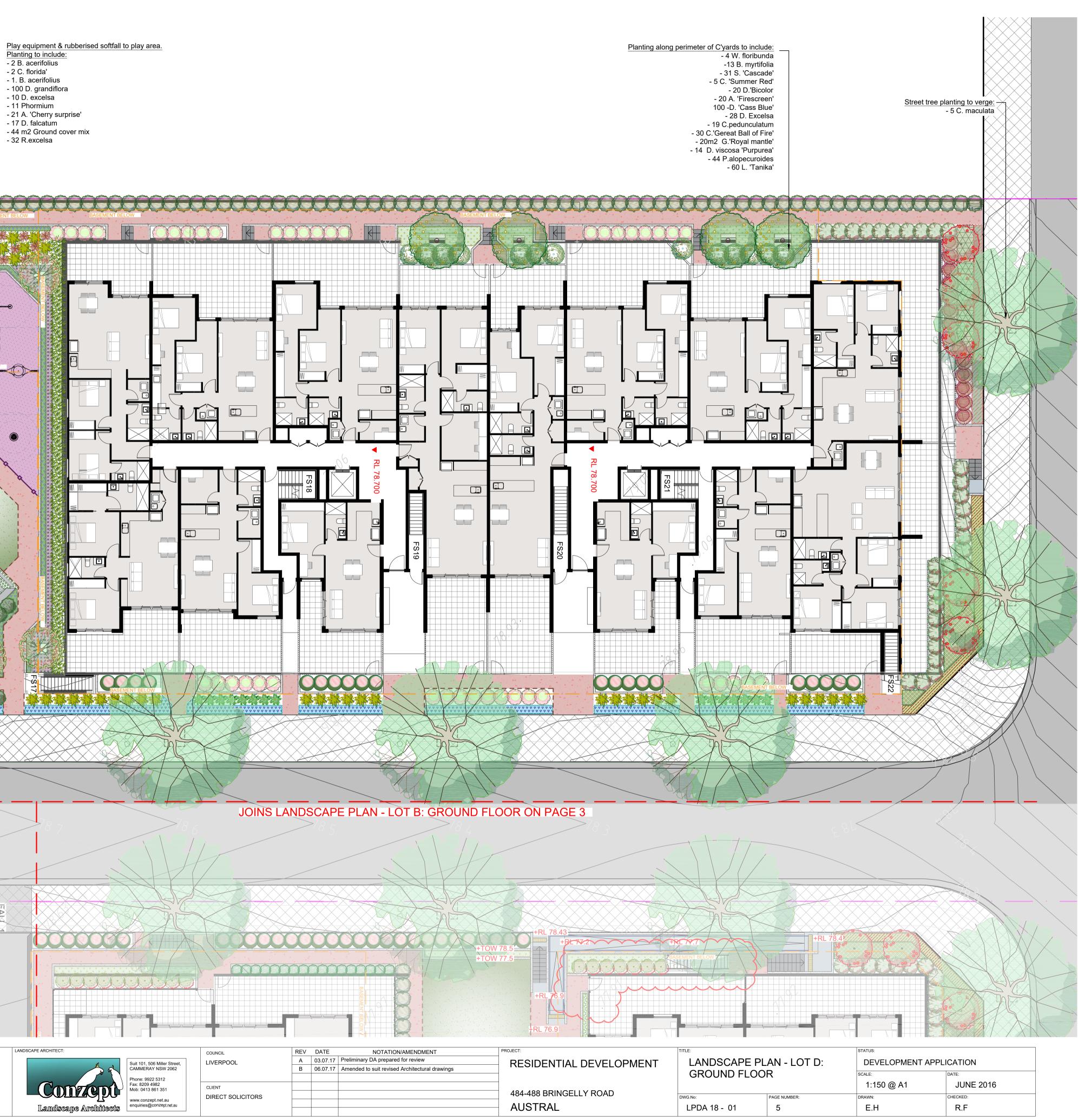
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Qty Required: 44

**Common Name:** Swamp Foxtail (Native) Pot size: 140mm Mature H x S: 1m x 1m

### Play equipment & rubberised softfall to play area.

- 1. B. acerifolius



NOTES 1. ALL FINAL PLANT QUANTITIES INDICATED ON PLANS SHALL BE CHECKED AND VERIFIED BY SUCCESSFUL LANDSCAPE CONTRACTOR.

2. ANY PLANT SUBSTITUTES REQUIRED DUE TO UNAVAILABILITY SHALL BE RECOMMENDED BY THE LANDSCAPE CONTRACTOR TO BEST MATCH SUBSTITUTED PLANTS

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- 4. LANDSCAPE CONTRACTOR SHALL LOCATE AND AVOID SITE STORM WATER & DRAINAGE SERVICES. LOCATE TREES A MINIMUM 1.25M FROM PITS
- 5. ALL PLANTING AROUND EXISTING TREES SHALL BE ADJUSTED TO AVOID DAMAGE AND CLASHING WITH SURFACE ROOTS

## TREES



Botanical Name: Cornus florida **Common Name:** Flowering Dogwood (Exotic) 100Lt Pot size:

Mature H x S: 9m x 6m Qty Required: 5

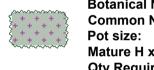
## SHRUBS AND HEDGES

	Botanical Name: Common Name: Pot size: Mature H x S: Qty Required:	<i>Syzygium 'Cascade'</i> Cascade Lilly Pilly (Native) 200mm 2.5m x 1.8m 21
ALL R	Botanical Name: Common Name: Pot size: Mature H x S: Qty Required:	<i>Rhaphis excelsa</i> Rhaphis Palm (Exotic) 200mm 3m x 1.5m 18
	Botanical Name: Common Name: Pot size: Mature H x S: Qty Required:	<i>Doryanthes excelsa</i> Gymea Lily (Native) 45L 1.1m x 1m 9
0	Botanical Name: Common Name: Pot size: Mature H x S: Qty Required:	<i>Syzygium 'Tiny Trev'</i> Dwarf Lilly Pilly (Native) 200mm 1m x 1m 6

## **GRASSES + GROUNDCOVERS**



**Botanical Name:** *Dianella 'Little Jess'* **Common Name:** Little Jess Flax Lily (Native) 140mm Pot size: Mature H x S: 0.4m x 0.4m Qty Required: 56



Botanical Name: Liriope muscari 'Evergreen Giant' **Common Name:** Giant Lily Turf (Exotic) 150mm Mature H x S: 0.7m x 0.65m Qty Required: 20

## MATERIAL FINISHES



'Park Recliner' by Commercial Systems Australia Timber bench seat fixed to wall - refer detail

Retaining / raised planter wall - refer detail

Electric twin BBQ to be nom. by client



'Odyssey' picnic setting by CSA

## LANDSCAPE PLAN NOTES

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This plan has been prepared with reference to *Liverpool* Councils Landscaping Guidelines & requirements. Planting proposed using commercially available plant species selected from local planting lists and the BASIX local plant list and from Sydney Waters "Plant Selector" web site one-drip rated native plants (acceptable for Basix planting).

The Design & location of new letter boxes shall be in accordance with Australia Post's "Requirements for Delivery of Mail to Residential Premises" published Feb '97. All noxious weeds listed in Councils weed lists & located on the site shall be continually removed & suppressed. Reinstate all boundary fencing in poor condition with Council approved 1.8m fencing to rear of building line, rake to 1m forward of BL. Pollution, sediment & erosion control devices as specified shall be in place, and maintained for the duration of the construction period. Proposed excavation near existing established trees to be supervised by arborist.

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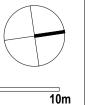


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enquiries@conzept.net.au

<u>Conzept</u>

Landscape Architects

LANDSCAPE PLAN - LOT A & C:		STATUS: DEVELOPMENT APPLICATION	
LEVEL 3		scale: 1:150 @ A1	JUNE 2016
DWG.No:	PAGE NUMBER:	DRAWN:	CHECKED:
LPDA 18 - 01	6	E.H	R.F

NOTES:

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## TREES



Botanical Name: Cornus florida **Common Name:** Flowering Dogwood (Exotic) 100Lt Pot size: Mature H x S: 9m x 6m

## SHRUBS AND HEDGES

Qty Required: 5

5 3	
Zurs	

Botanical Name: Syzygium 'Cascade' **Common Name:** Cascade Lilly Pilly (Native) Pot size: 200mm Mature H x S: 2.5m x 1.8m Qty Required: 21 Botanical Name: Rhaphis excelsa **Common Name:** Rhaphis Palm (Exotic) Pot size: 200mm Mature H x S: 3m x 1.5m Qty Required: 18



Botanical Name: Doryanthes excelsa **Common Name:** Gymea Lily (Native) Pot size: 45L Mature H x S: 1.1m x 1m Qty Required: 9

**Botanical Name:** Syzygium 'Tiny Trev'

**Common Name:** Dwarf Lilly Pilly (Native) Pot size: 200mm Mature H x S: 1m x 1m Qty Required: 6

## **GRASSES + GROUNDCOVERS**

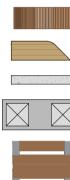


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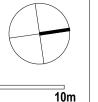


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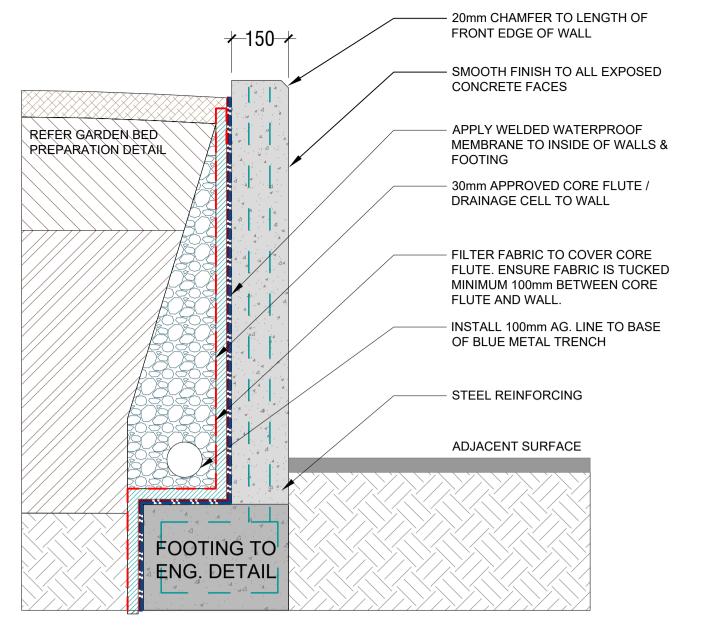
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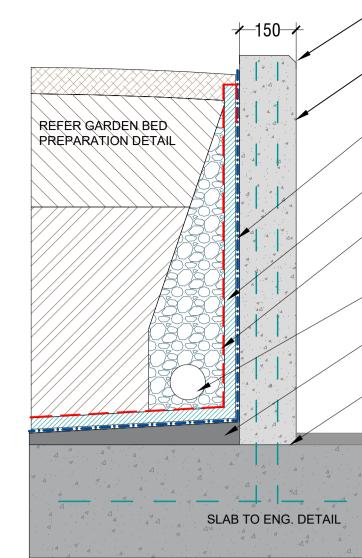
NOTATION/AMENDMENT A 03.07.17 Preliminary DA prepared for review B 06.07.17 Amended to suit revised Architectural drawings

## RESIDENTIAL DEVELOPMENT

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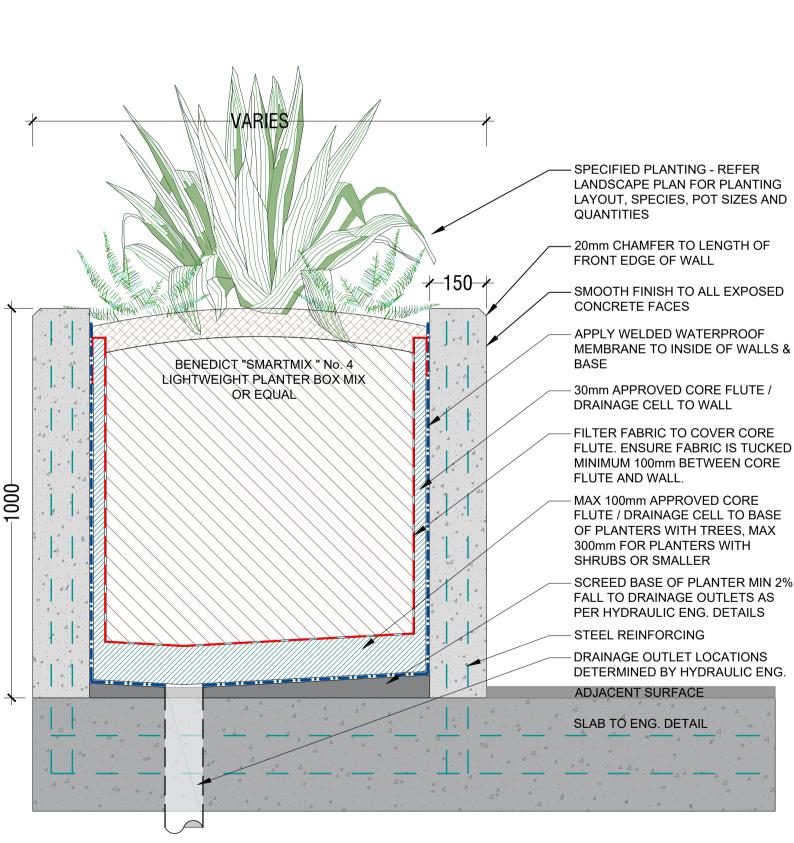
	TITLE:		STATUS:	
	LANDSCAPE PLAN - LOT B & D: LEVEL 3		DEVELOPMENT APPLICATION	
			SCALE:	DATE:
			1:150 @ A1	JUNE 2016
-	DWG.No:	PAGE NUMBER:	DRAWN:	CHECKED:
	LPDA 18 - 01	7	E.H	R.F





TYPICAL IN SITU RETAINING WALL ON SLAB DETAIL SCALE 1:10

TYPICAL IN SITU RETAINING WALL DETAIL **SCALE 1:10** 



TYPICAL IN SITU RAISED PLANTER ON SLAB DETAIL SCALE 1:10

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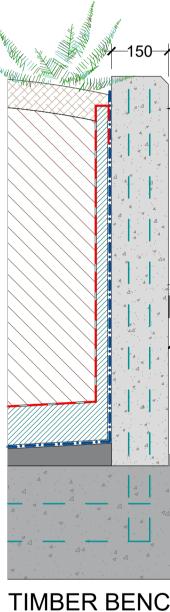
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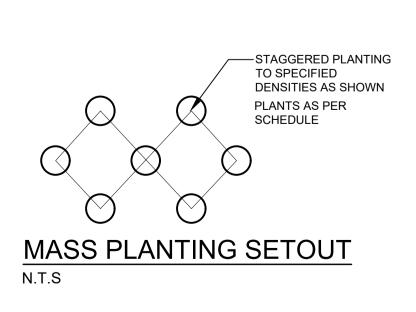
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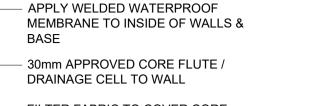


WALL DETAIL SCALE: 1:10



DREAMSCAPES ARCHITECTS

RCHITEC



FILTER FABRIC TO COVER CORE FLUTE. ENSURE FABRIC IS TUCKED

20mm CHAMFER TO LENGTH OF

SMOOTH FINISH TO ALL EXPOSED

FRONT EDGE OF WALL

CONCRETE FACES

MINIMUM 100mm BETWEEN CORE FLUTE AND WALL. INSTALL 100mm AG. LINE TO BASE

OF BLUE METAL TRENCH SCREED BASE OF PLANTER TO

DRAINAGE OUTLETS

STEEL REINFORCING

ADJACENT SURFACE

SPECIFIED PLANTING - REFER

- REFER TYPICAL IN-SITU

QUANTITIES

SLAB DETAIL

-450--

ADJACENT SURFACE

LANDSCAPE PLAN FOR PLANTING

CONCRETE RAISED PLANTER ON

HARDWOOD WITH 5mm SPACING.

10mm CHAMFER TO OUTSIDE EDGE

– 22mm x 90mm SPOTTED GUM

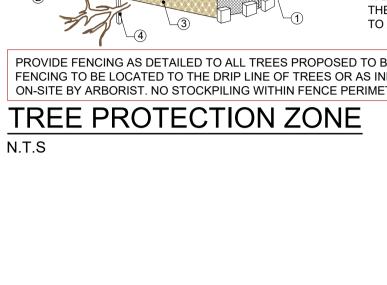
POWDERCOATED STEEL GALV

SUPPORT MOUNT TO SUIT

LAYOUT, SPECIES, POT SIZES AND







1. CHAIN WIRE MESH PANELS WITH SHADE CLOTH (IF REQUIRED) ATTACHED, HELD IN PLACE WITH CONCRETE FEET

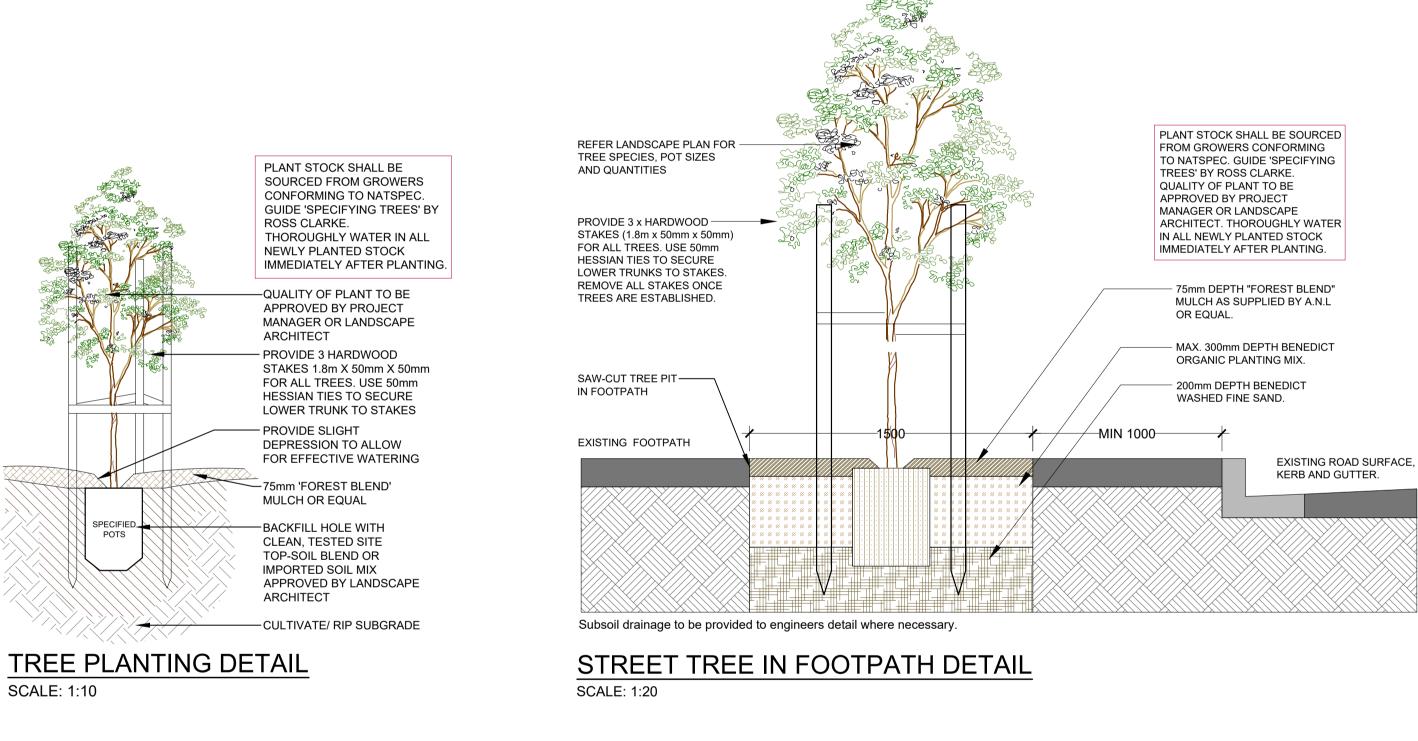
2. ALTERNATIVE PLYWOOD OR WOODEN PALING FENCE PANELS. THE FENCING MATERIAL ALSO PREVENTS BUILDING MATERIALS OR SOIL ENTERING THE TPZ

3. MULCH INSTALLATION ACROSS SURFACE OF TPZ (AT THE DISCRETION OF THE PROJECT ARBORIST). NO EXCAVATION, CONSTRUCTION ACTIVITY, GRADE CHANGES, SURFACE TREATMENT OR STORAGE OF MATERIALS OF ANY KIND IS PERMITTED WITHIN THE TPZ

4. BRACING IS PERMISSIBLE WITHIN THE TPZ. INSTALLATION OF SUPPORTS TO AVOID DAMAGING ROOTS

PROVIDE FENCING AS DETAILED TO ALL TREES PROPOSED TO BE RETAINED ON THE SUBJECT SITE. FENCING TO BE LOCATED TO THE DRIP LINE OF TREES OR AS INDICATED ON PLANS OR DIRECTED ON-SITE BY ARBORIST. NO STOCKPILING WITHIN FENCE PERIMETERS.

N.T.S

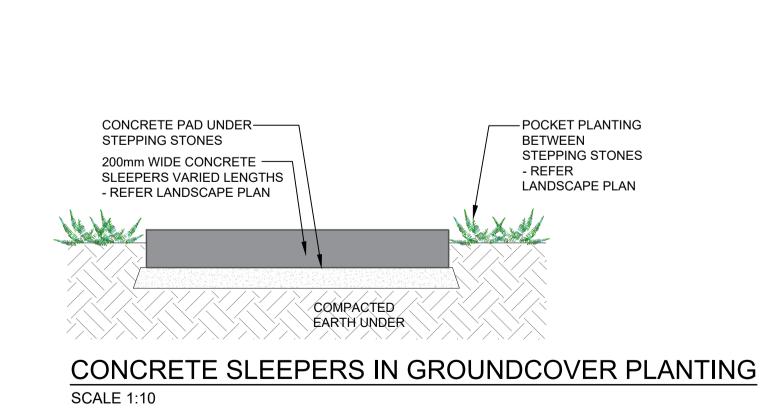




SLAB TO ENG. DETAIL

"SIR WALTER" BUFFALO LAY TURF ON MINIMUM 100mm-80 : 20 TOP DRESS SOIL MIX SAND : ORGANIC MATTER MMMMMMMMM 100mm DEPTH 80:20 MIX

**TYPICAL TURF DETAIL** SCALE: 1:10



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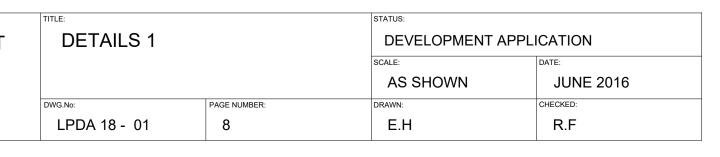
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REV DATE NOTATION/AMENDMENT A 03.07.17 Preliminary DA prepared for review B 06.07.17 Amended to suit revised Architectural drawings

RESIDENTIAL DEVELOPMENT

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# SPECIFIED PLANTING & POT SIZE 300mm DERTH SOIL MIX BLEND 100<sup>mm</sup> SUBSOIL CULTIVATED TO 100mm

**SCALE 1:10** 

TYPICAL SETBACK FROM LAWN/GARDEN EDGE

SOIL MIX:

**TYPICAL GARDEN PREPARATION DETAIL** 

75mm DEPTH "FOREST BLEND" MULCH OR EQUIVALENT

FREE FROM ALL BUILDER'S

GARDEN MIX OR SOIL

RUBBISH AND DELETERIOUS

CONDITIONER/ COMPOSTED ORGANIC MATTER - SEE SPEC.

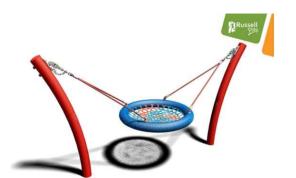
USE 100% IMPORTED SOIL MIX

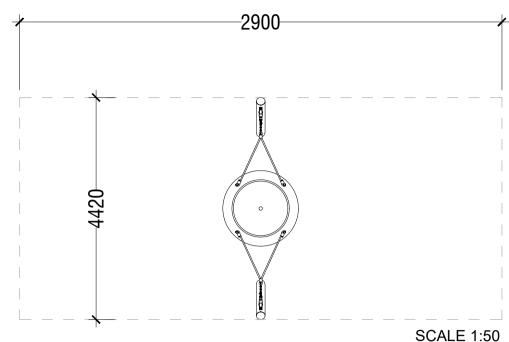
WHEN SITE TOPSOIL RUNS OUT.

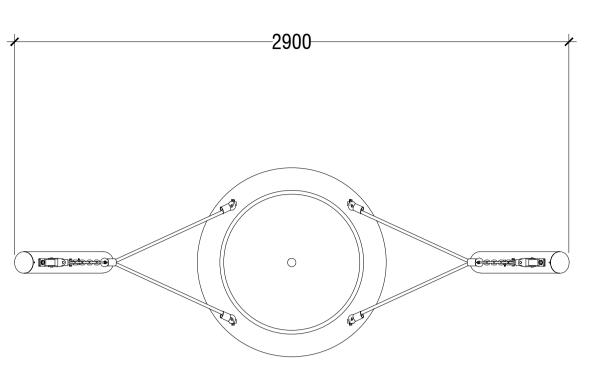
WITH MINIMUM 50% IMPORTED

50% OF STOCKPILED SITE TOPSOIL

MATERIALS. TOPSOIL TO BE MIXED





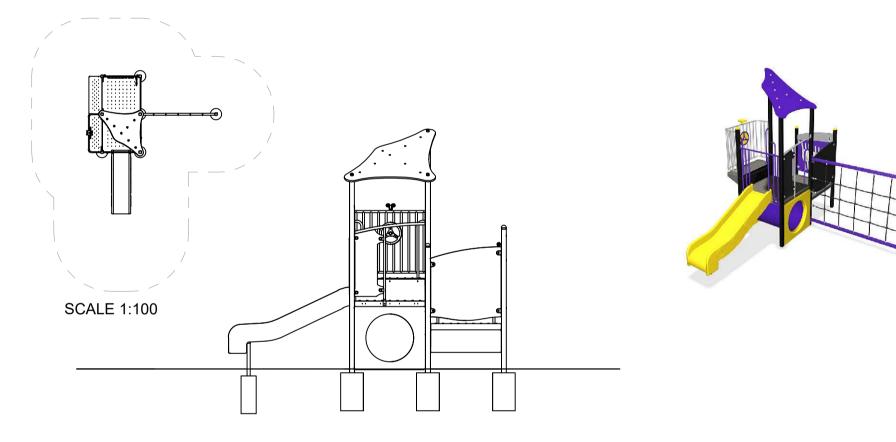


**SCALE 1:50** 

NOTE: DRAWING IS INDICATIVE ONLY. PRODUCT BY IMAGINATION PLAY. REFER MANUFACTURER'S SPECIFICATIONS & INSTRUCTIONS FOR INSTALLATION

## FUN4ALL - SW-08-0001 COLUMPIO BY IMAGINATION PLAY - PRODUCT CODE: 4691082

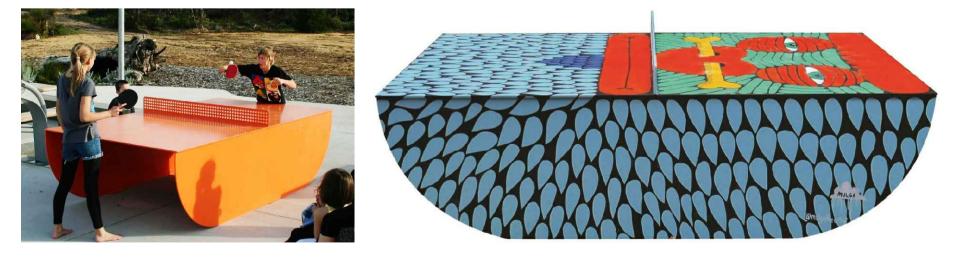
SCALE 1:20



NOTE: DRAWING IS INDICATIVE ONLY. PRODUCT BY MODUPLAY. REFER MANUFACTURER'S SPECIFICATIONS & INSTRUCTIONS FOR INSTALLATION

## CAPITAL MINI BY MODUPLAY - PRODUCT CODE: C-8204-35 SCALE 1:50



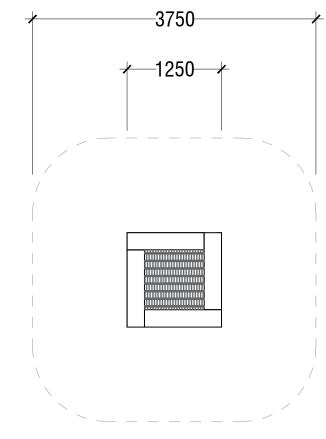


SAMPLE IMAGE: 'FLAGSHIP' OUTDOOR PING PONG TABLE BY POPP SCALE: NTS



ARCHITEC

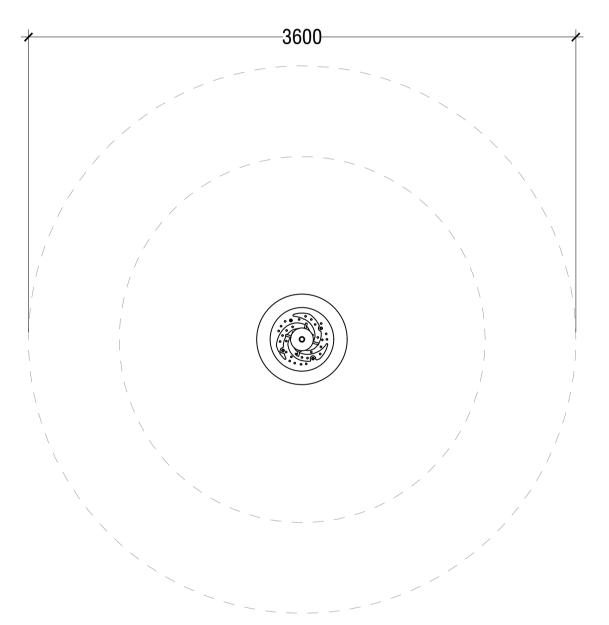
LANDSCAPE ARCHITECT

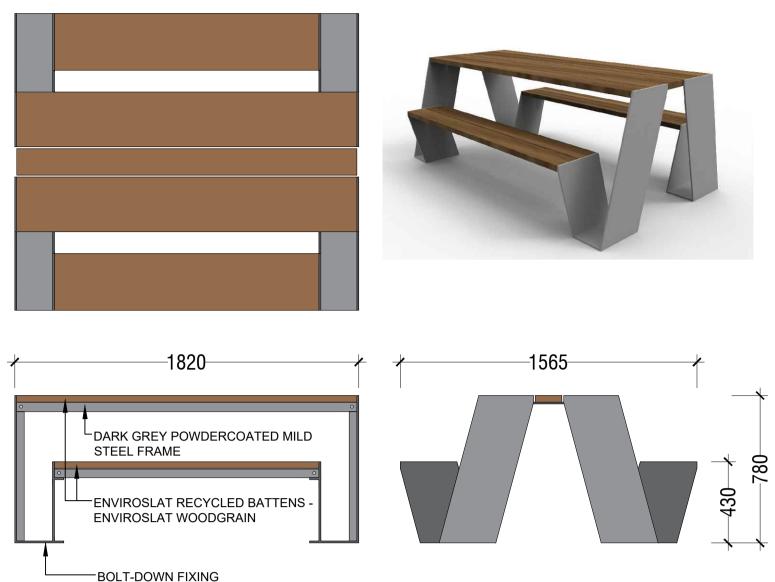


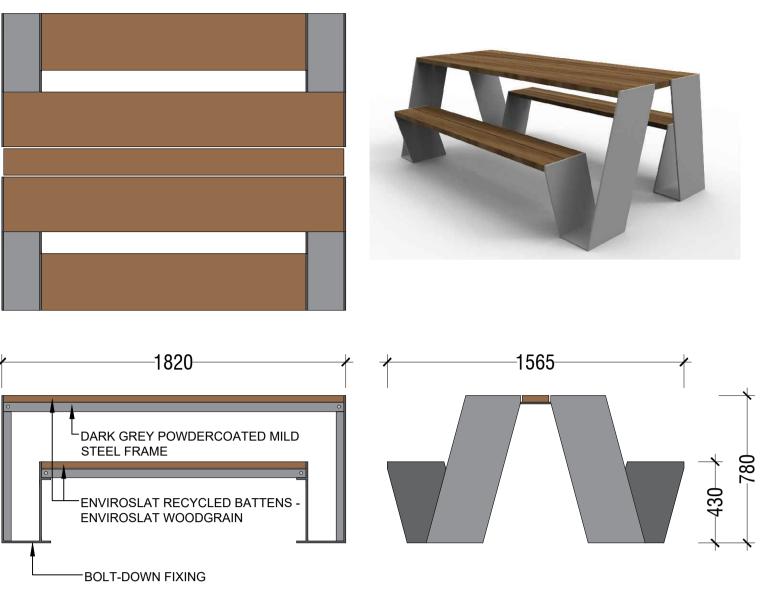
NOTE: DRAWING IS INDICATIVE ONLY. PRODUCT BY MODUPLAY. REFER MANUFACTURER'S SPECIFICATIONS & INSTRUCTIONS FOR INSTALLATION

## **TRAMPOLINE S BY MODUPLAY - PRODUCT** CODE: Z-1300-03

SCALE 1:50



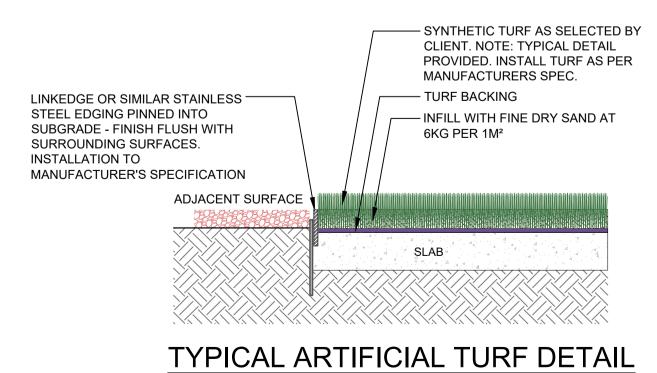


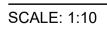


NOTE: DRAWING IS INDICATIVE ONLY. PRODUCT BY COMMERCIAL SYSTEMS AUSTRALIA. REFER MANUFACTURER'S SPECIFICATIONS & INSTRUCTIONS FOR INSTALLATION

SCALE 1:20

## TWISTA BY MODUPLAY - PRODUCT CODE: N-9000 - 10 SCALE 1:25





COUNCIL



REV DATE NOTATION/AMENDMENT A 03.07.17 Preliminary DA prepared for review B 06.07.17 Amended to suit revised Architectural drawings

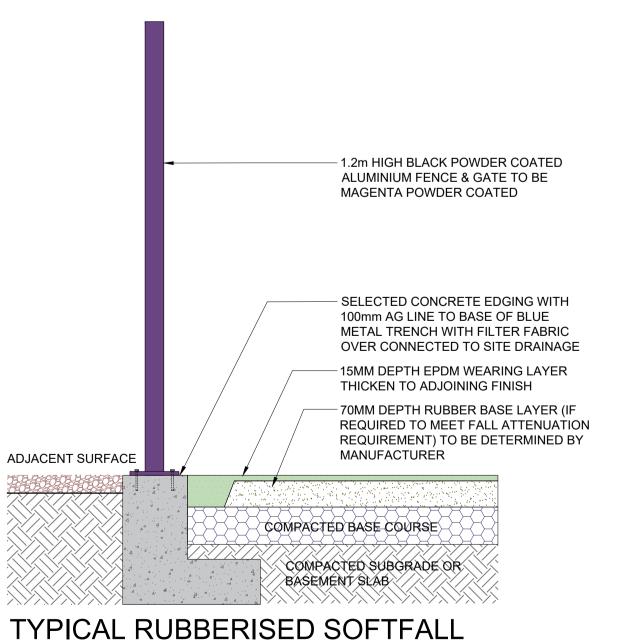
**RESIDENTIAL DEVELOPMENT** 

484-488 BRINGELLY ROAD AUSTRAL

**PROJECT** 

TITLE:			STATUS:		
	DETAILS 2		DEVELOPMENT APPLICATION		
			SCALE:	DATE:	
			AS SHOWN	JUNE 2016	
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## SCALE: 1:10



# ODYSSEY PICNIC SETTING BY CSA - PRODUCT CODE: TM4170

### LANDSCAPE WORK SPECIFICATION

#### PRELIMINARIES

1.01 GENERAL

### The following general conditions should be considered prior to the commencement of landscape works:

- The landscape plans should be read in conjunction with the architectural plans, hydraulic plans, service plans and survey prepared for the proposed development. All services including existing drainage should be accurately located prior to the commencement of landscape
- installation. Any proposed tree planting which falls close to services will be relocated on site under the instruction of the landscape architect. Installation of conduit for required irrigation, electrical and other services shall be completed prior to the
- commencement of hardscape works and hardstand pours
- All outdoor lighting specified by architect or client to be installed by qualified electrician Anomalies that occur in these plans should be brought to our immediate attention.
- Where an Australian Standard applies for any landscape material testing or installation technique, that standard shall be followed.

#### 1.02 PROTECTION OF ADJACENT FINISHES

The Contractor shall take all precautions to prevent damage to all or any adjacent finishes by providing adequate protection to these areas / surfaces prior to the commencement of the Works

#### 1.03 PROTECTION OF EXISTING TREES

Existing trees identified to be retained shall be done so in accordance with NATSPEC Guide 2 "A Guide to Assessing Tree Quality". Where general works are occurring around such trees, or pruning is required, a qualified Arborist shall be engaged to oversee such works and manage tree health.

Existing trees designated on the drawing for retention shall be protected at all times during the construction period. Any soil within the drip-line of existing trees shall be excavated and removed by hand only. No stockpiling shall occur within the root zone of existing trees to be retained.

#### Any roots larger in diameter than 50mm shall only be severed under instruction by a gualified arborist. Roots smaller than 50mm diameter shall be cut cleanly with a saw.

Temporary fencing shall be installed around the base of all trees to be retained prior to the commencement of landscape works. Where possible this fencing will be located around the drip line of these trees, or a minimum of 3m from the trunk. The fencing shall be maintained for the full construction period.

#### **1.04 EROSION & POLLUTION CONTROL**

The Contractor shall take all proper precautions to prevent the erosion of soil from the subject site. The contractor shall install erosion & sediment control barriers and as required by council, and maintain these barriers throughout the construction period. Note that the sediment control measures adopted should reflect the soil type and erosion characteristics of the site.

#### Erosion & pollution control measures shall incorporate the following:

- Construction of a sediment trap at the vehicle access point to the subject site. - Sediment fencing using a geotextile filter fabric in the location indicated on the erosion control plan or as instructed on site by the landscape architect.

#### - Earth banks to prevent scour of stockpiles - Sandbag kerb sediment traps

- Straw bale & geotextile sediment filter - Exposed banks shall be pegged with an approved Jute matting in preparation for mass planting

Refer to "Sitewise Reference Kit" as prepared by DLWC & WSROC (1997) for construction techniques

SOIL WORKS

### 2.01 MATERIALS

#### Specified Soil Conditioner (Generally to improve site soil) The specified soil conditioner for site top-soil improvement shall be an organic mix, equal to "Botany Humus", as supplied

by ANL. Note that for sites where soil testing indicates toxins or extremes in pH. or soils that are extremely poor, allow to excavate and supply 300mm of imported soil mix.

#### New gardens & proposed Planting

New garden and planting areas shall consist of a 50/50 mix of clean site soil (refer d) below) and imported "Organic Garden Mix" as supplied by ANL or approved equal. All mixes are to comply with AS 4419 Soils for landscaping & garden use, & AS 4454 Composts, Soil conditioners & mulches.

#### Specified Soil Mix - Turf

The specified soil mix for all turf areas shall be a min 75mm layer of imported soil mix consisting of 80% washed river sand (reasonably coarse), and 20% composted organic matter equivalent to mushroom compost or soil conditioner, or other approved lawn top dress.

#### Site Topsoil

Site topsoil is to be clean and free of unwanted matter such as gravel, clay lumps, grass, weeds, tree roots, sticks, rubbish and plastics, and any deleterious materials and materials toxic to plants. The topsoil must have a pH of between 5.5 and 7. Use 100% imported soil mix when site when site topsoil runs out.

#### 2.02 INSTALLATION

a) Testing

All testing is to be conducted in accordance with AS 1289 Methods for testing soils for engineering purposes. Site soil shall be given a pH test prior to modifying to ensure conditions are appropriate for planting as stated above. Tests shall be taken in several areas where planting is proposed, and the pH shall be adjusted accordingly with sulphur or lime to suit.

#### Note that a soil test conducted by the "Sydney Soil Lab" or approved equal shall be prepared for all commercial, industrial and multi-unit residential sites. The successful landscape contractor shall implement the recommendations of

this test. b) Set Out of Individual Trees & Mass Planting Areas

#### All individual tree planting positions and areas designated for mass planting shall be set out with stakes or another form of marking, ready for inspection and approval. Locate all services.

### c) Establishing Subgrade Levels

Subgrade levels are defined as the finished base levels prior to the placement of the specified material (i.e. soil conditioner). The following subgrade levels shall apply:

Mass Planting Beds - 300mm below existing levels with specified imported soil mix.

Turf areas - 100mm below finished surface level. Note that all subgrades shall consist of a relatively free draining natural material, consisting of site topsoil placed previously by the Civil Contractor. No builders waste material shall be acceptable.

### d) Subgrade Cultivation

Cultivate all subgrades to a minimum depth of 100mm in all planting beds and all turf areas, ensuring a thorough breakup of the subgrade into a reasonably coarse tilth. Grade subgrades to provide falls to surface and subsurface drains, prior to the placement of the final specified soil mix.

#### e) Drainage Works

Install surface and subsurface drainage where required and as detailed on the drawing. Drain subsurface drains to outlets provided, with a minimum fall of 1:100 to outlets and / or service pits.

#### f) Placement and Preparation of Specified Soil Conditioner & Mixes. Trees in turf & beds - Holes shall be twice as wide as root ball and minimum 100mm deeper - backfill hole with 50/50 mix of clean site soil and imported "Organic Garden Mix" as supplied by ANL or approved equal.

Mass Planting Beds - Install specified soil conditioner to a compacted depth of 100mm Place the specified soil conditioner to the required compacted depth and use a rotary hoe to thoroughly mix the conditioner into the top 300mm of garden bed soil. Ensure thorough mixing and the preparation of a reasonably fine tilth

and good growing medium in preparation for planting. Turf Areas - Install specified soil mix to a minimum compacted depth of 75mm. Place the specified soil mix to the required compacted depth and grade to required finished soil levels, in preparation for

planting and turfing.

#### PLANTING 3.01 MATERIALS

#### a) Quality and Size of Plant Material

All trees supplied above a 25L container size must be grown and planted in accordance with Clarke, R 1996 Purchasing Landscape Trees: A guide to assessing tree quality. Natspec Guide No. 2. Certification that trees have been grown to Natspec guidelines is to be provided upon request of Council's Tree Management Officer.

Above - Ground Assessment:

The following plant quality assessment criteria should be followed: Plant true to type, Good vigour and health, free from pest & disease, free from injury, self-supporting, good stem taper,

has been pruned correctly, is apically dominant, has even crown symmetry, free from included bark & stem junctions, even trunk position in pot, good stem structure Below - Ground Assessment:

Good root division & direction, rootball occupancy, rootball depth, height of crown, non-suckering For further explanation and description of these assessment criteria, refer to Ross Clark's book. All Plant material shall be to the type and size specified. No substitutions of plant material shall be permitted without written prior approval by the Landscape Architect. No plant shall be accepted which does not conform to the standards

### listed above. b) Stakes and Ties

Provide min. 3 No. Stakes and ties to all plants identified as trees in the plant schedule. Stakes shall be sound, unpainted, straight hardwood, free of knots and pointed at one end. They shall be 2200mm x 50mm x 50mm Hardwood, or approved alternative. Ties shall be 50mm wide hessian webbing material.

### GENERAL NOTE

igured dimensions take preference to scale readings. Verify all dimensions on If so, Conzept is not liable for any loss, damage, harm or inj site. PDF/d plans may vary slightly in Scale for that indicated on plans. Report any whether special, consequential, direct or indirect, suffered by epancies to the Landscape Architect before proceeding with the work. you or any other person as a result of your use of this drawi C Copyright R. L Frew Landscape Architectural Services T/A CONZEPT for construction purposes. This drawing is protected by copyright. All rights are reserved. Unless permitted under the Copyright Act 1968, no part of this drawing may in any form or by any means be reproduced, published, troadcast or transmitted without the prior write neuronismo of the convertion unary. written permission of the copyright owner. If the Status of this drawing is not signed off For Construction it may be subject the notification period.

to channe alteration or amendment at the discretion of our office



#### c) Fertilisers

d) Mulch

Fertilisers shall be approved slow release fertilisers suitable for the proposed planting types. Note that for native plants, specifically Proteaceae family plants including Grevillea species, low phosphorus fertilizers shall be used.

#### Mulch shall be an approved equal to "Forest Blend" as supplied by ANL. Mulch shall be completely free from any soil, weeds, rubbish or other debris

### e) Turf

Turf shall be "Sir Walter" Buffalo or equivalent (unless stated otherwise), free from any weeds and other grasses, and be in a healthy growing condition

### 3.02 INSTALLATION

a) Setting Out

All planting set out shall be in strict accordance with the drawings, or as directed. Note that proposed tree planting located near services should be adjusted at this stage. Notify Landscape Architect for inspection for approval prior to planting.

## b) Planting

All plant material shall be planted as soon after delivery as possible. Planting holes for trees shall be excavated as detailed and specified. Plant containers shall be removed and discarded, and the outer roots gently teased from the soil mass. Immediately set plant in hole and backfill with specified soil mix, incorporating the approved quantity of fertiliser for each plant type. Ensure that plants are set plumb vertically and root balls set to the consolidated finished grades detailed on the drawings. Compact the backfilled soil and saturate by hand watering to expel any remaining air pockets immediately after planting.

#### c) Staking and Tying

Staking and tying shall be in strict accordance with the drawings and shall occur immediately following plant placement and soil backfilling. All plants identified as "Trees" on the planting schedule shall be staked with a min. 3 stakes.

### d) Mulching

Mulch should be spread so that a compacted thickness of 75mm is achieved after settlement in all planting beds and around each individual plant. Apply immediately following planting and watering in, ensuring that a 50mm radius is maintained around the trunk of each plant. There shall be no mixing of soil and mulch material.

#### e) Turfing

Moisten soil prior to the turf being laid. Turf shall be neatly butt jointed and true to grade to finish flush with adjacent surfaces. Incorporate a lawn fertilizer and thoroughly water in. Keep turf moist until roots have taken and sods/rolls cannot be lifted. Keep all traffic off turf until this has occurred. Allow for top dressing of all turf areas. All turf shall be rolled immediately following installation

## f) Garden Edging

The Contractor shall install Steel Edging as detailed on the drawings, to all mass planting beds adjoining turf or gravel mulched areas, and where required. The resultant edge shall be true to line and flush with adjacent surfaces. HARDSCAPE WORKS

#### 4.01 GENERAL

The Contractor shall undertake the installation of all hardscape works as detailed on the drawing, or where not detailed, by manufacturers specification.

Paving - refer to typical details provided, and applicable Australian Standards. Permeable paving may be used as a suitable means of satisfying Council permeable surface requirements, while providing a useable, hardwearing, practical surface. In most instances, the client shall nominate the appropriate paving material to be used

Australian Standards shall be adhered to in relation to all concrete, masonry & metal work. Some details are typical and may vary on site. All hardscape works shall be setout as per the drawings, and inspected and approved by the Landscape Architect prior to installation. All workmanship shall be of the highest standard. Any gueries or problems that arise from hardscape variations should be bought to the attention of the Landscape Architect. Your attention is directed to any obligations or responsibilities under the Dividing Fences Act, 1991 in respect of adjoining property owner/s which may arise from this application. Any enquiries in this regard may be made to the Crown Lands Division on (02) 8836 5332

#### IRRIGATION WORKS

5.01 GENERAL (PERFORMANCE SPECIFICATION)

New irrigation systems to planting areas shall be a Commercial Grade Irrigation System conforming to all relevant Australian standards, including AS 3500 & the Electrical Safety Act 2002, Workplace Health & Safety Act 1995, & the latest Sydney Water Code

An automated drip-irrigation system is to be installed to all gardens, planters and lawn areas in accordance with the approved Irrigation Design. This system shall be designed and installed by a qualified and licensed irrigation specialist, to the highest industry standards and to maximise the efficient usage of water. The Installer is required to obtain all approvals necessary for the completion of works in accordance with the Laws of

Australia, Laws of the State of NSW, Liverpool Council By-Laws and Ordinances. Drawings:

- The Landscape Contractor nominated Licensed Irrigation Specialist shall provide irrigation drawings for approval upon engagement.

#### **Design Requirements:**

- The irrigation system shall be installed prior to all planting works. It shall incorporate a commercially available irrigation system, with sub-surface dripper lines to irrigate all gardens, planters and lawn areas. - It shall incorporate a suitable back flow prevention device for the scale of works, an in-line filter, check valves, and suitable high and low density poly hose fittings and PVC piping to achieve flow rates suitable for specified planting - The irrigation application rate shall not exceed the infiltration rate of the soil or creates run-off.

- The landscape contractor shall check the existing pressure available from the ring mains and size irrigation piping to suit. Supply shall be from local hose cock where available. - All piping and fittings shall be buried 50mm below the finished soil levels in garden and lawn areas, and secured in

position at 500mm centres with galv wire pins. - Size of pipes shall be selected to ensure the working pressure at the end of the line does not decrease by more than

#### Services Co-ordination:

- Co-ordination required by Landscape Contractor or Project Manager to provide required conduit, pipe work and penetration through slabs and planter walls for water and power provisions. - The Landscape Contractor shall be engaged with the Irrigation Specialist to co-ordinate with the Project Manager to

identify the preferred service and conduit locations. - Project Manager and Landscape Contractor to establish area suitable for irrigation control system with required area, power provision and water supply.

- Main Line Pressure Test: The main line is pressurised to test for leaks. All valves are shut and the pressure is taken

the manufacturer recommendations. The inlet pressure is then tested under the same conditions to check it does not

- All components are to be satisfactorily functional and operational prior to approval. Should any defect develop, or the

The consolidation and maintenance period shall be 12 months beginning from the approved completion of the specified

works by accepted landscaping or horticultural practices, ensuring that all plants are in optimum growing conditions and

construction work (Practical Completion). A qualified landscape maintenance contractor shall undertake the required

landscape maintenance works. Consolidation and maintenance shall mean the care and maintenance of Contracted

On the completion of the maintenance period, the landscape works shall be inspected and at the satisfaction of the

appearance at all times, as well as rectifying any defects that become apparent in the contracted works.

capacity or efficiency of the system decline during the agreed maintenance system, then these faults shall be

- Dripper Pressure Test: Measurement at flushing valves are taken and the pressure gauged to make sure it conforms to

### Testing & Defects:

exceed 300Kpa.

Warranty :

6.01 GENERAL

immediately rectified.

Further Documentation:

CONSOLIDATION AND MAINTENANCE

Topping up of mulched areas.

Adjusting ties to Stakes

over a determined length of time.

Upon completion of installation, the system shall be tested, including:

- A full 12 month warranty shall be included to cover labour and all parts.

- On request, a detailed irrigation performance specification report can be issued.

This shall include, but not be limited to, the following items where and as required:

• Mowing lawns & trimming edges each 14 days in summer or 18 days in winter

superintendent or landscape architect, the responsibility will be signed over to the client.

Watering all planting and lawn areas / irrigation maintenance.

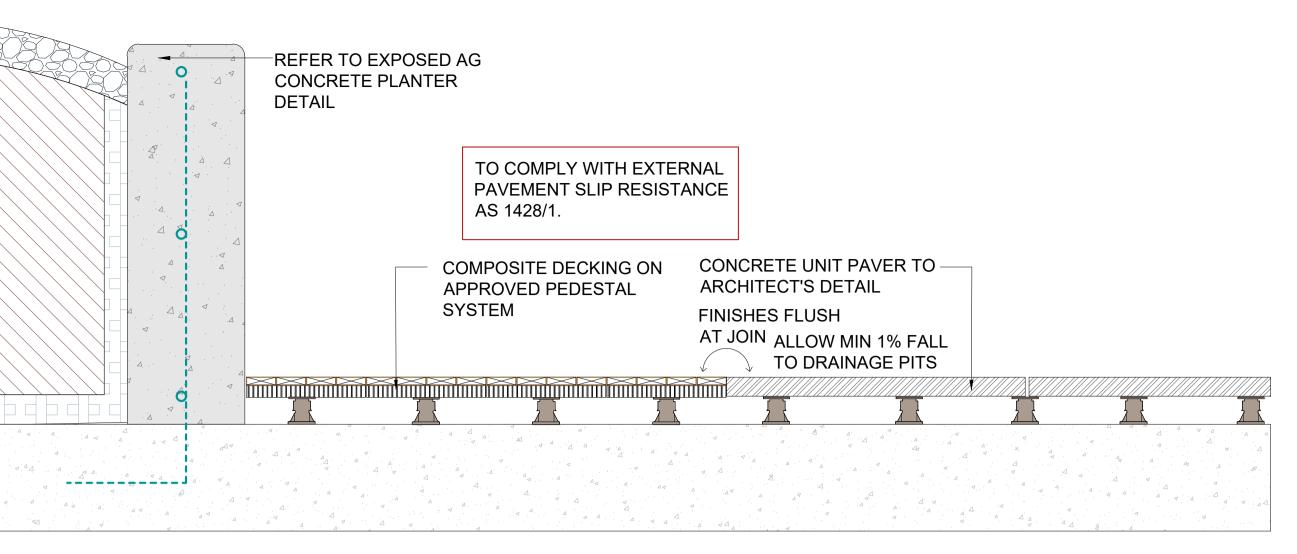
• Maintenance of all paving, retaining and hardscape elements.

 Clearing litter and other debris from landscaped areas. • Removing weeds, pruning and general plant maintenance.

• Replacement of damaged, stolen or unhealthy plants. • Make good areas of soil subsidence or erosion.

Spray / treatment for Insect and disease control

• Fertilizing with approved fertilizers at correct rates.



# HARDWOOD DECK + PAVING ON SLAB DETAIL

SCALE: NTS

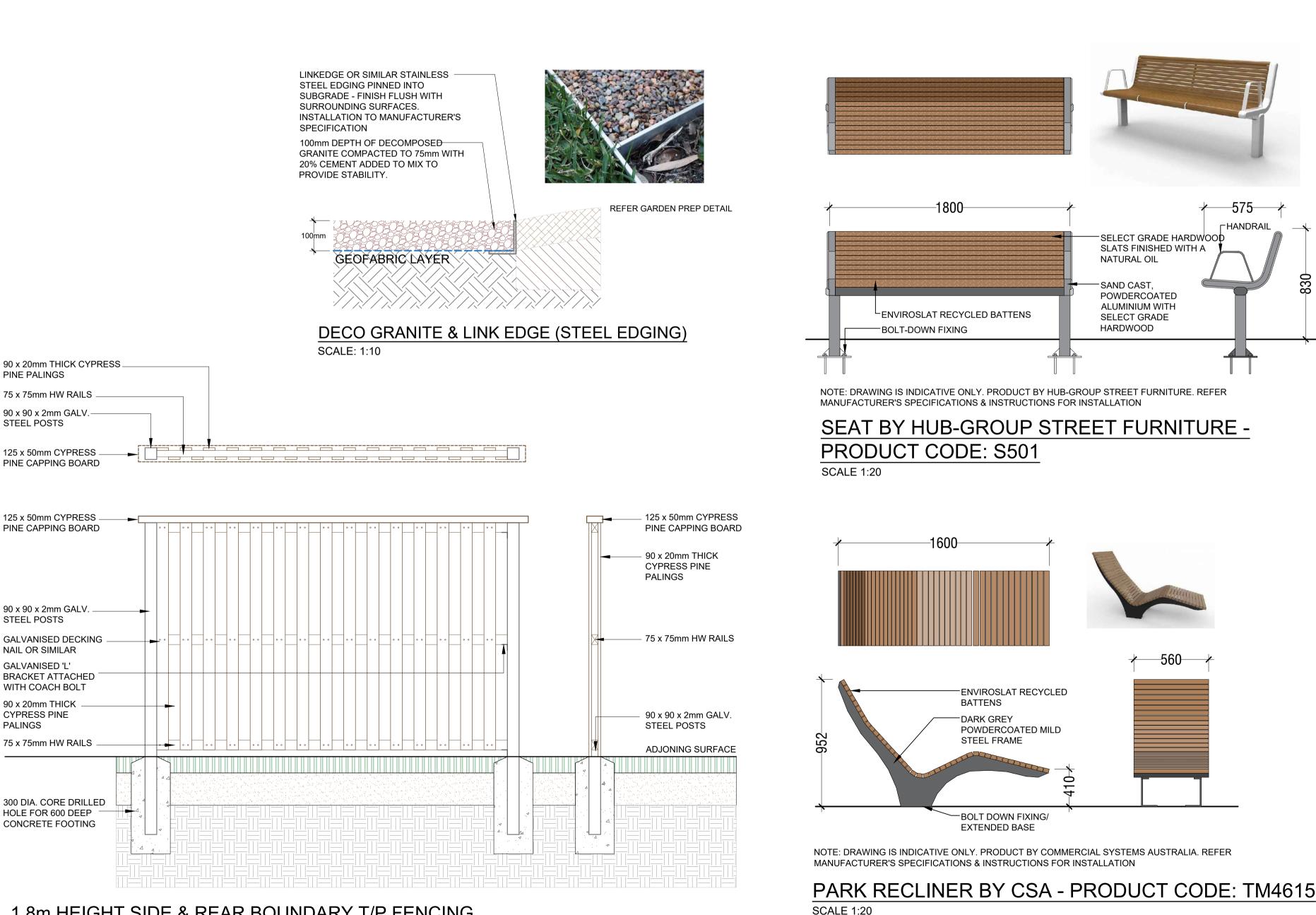
PALINGS

approx 1:10

RCHITEC

DREAMSCAPES

ARCHITECTS



## 1.8m HEIGHT SIDE & REAR BOUNDARY T/P FENCING

LANDSCAPE ARCHITECT:		COUNCIL	REV	DATE	NOTATION/AMENDMENT	PROJECT:
		LIVERPOOL	A	03.07.17	Preliminary DA prepared for review	
	Suit 101, 506 Miller Street, CAMMERAY NSW 2062	LIVERPOOL	В	06.07.17	Amended to suit revised Architectural drawings	RESIDENTIAL DEVELOPMENT
	Phone: 9922 5312					
Contont	Fax: 8209 4982 Mob: 0413 861 351	CLIENT				
Conzepi	www.conzept.net.au	DIRECT SOLICITORS				484-488 BRINGELLY ROAD
Landscape Architects	enquiries@conzept.net.au					AUSTRAL

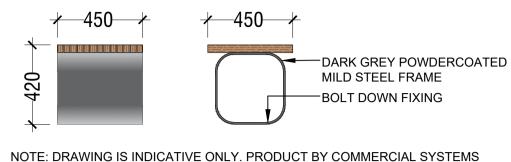
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DETAILS 3 & SPECIFICATION		DEVELOPMENT APPLICATION		
		SCALE:	DATE:	
		AS SHOWN	JUNE 2016	
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FOR INSTALLATION

SCALE 1:20

**CODE: TM4633** 



AUSTRALIA. REFER MANUFACTURER'S SPECIFICATIONS & INSTRUCTIONS

LOOP STOOL BY CSA - PRODUCT

