

PROPOSED APARTMENT DEVELOPMENT LOT 8 230 GRANGE ROAD, MARSDEN PARK

DWG No.: LPS34 21 - 20 / 1











FIRE STATION - KOPMAN Item no. ELE400141-3717BL



HOPPER - KOPMAN Item no. ELE400022-01

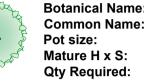


BLOQX™ 2- KOPMAN Item no. BLX410202-3717

LOCATION PLAN



STREET TREES



Botanical Name: Cupaniopsis anacardioides Common Name: Tuckeroo (Native) **Mature H x S:** 8-10m x 3-5m



Botanical Name: Tristaniopsis laurina 'Luscious' Common Name: Watergum (Native) Pot size: **Mature H x S:** 5-8m x 3-5m Qty Required: tbc

OTHER LANDSCAPE ITEMS

2.4m high acoustic barriers - refer acoustic report & architectural plan 1.8m high acoustic fence with canopy - refer acoustic report & architectural plan

1.8m high acoustic fence - refer acoustic report & architectural plan — — Steel garden edging - refer detail

> 1.2m High Childproof fence - to be nom. by clients Nature turf area - refer detail

Deco surface finishes refer detail Softfall mulch

- refer detail Rubberised soft fall refer detail

Artificial turf area - refer detail Permeable paving refer detail

Paving may revert to a matching, non-permeable (standard) style paver where it is laid over the basement slab (to landscape Architects approval)

Timber decking

Sandpit sandstone retaining wall - refer detail Shade sail - refer manufacturer's detail & Spec

Cubby house - refer manufacturer's detail & Spec.

Retaining / raised planter wall - refer detail

Picnic table - refer detail

Timber chair - refer detail

refer detail

- Telei manufacturei 3 detaii				
REV	DATE	NOTATION/AMENDMENT		
Α	04.08.20	Preliminary s34 prepared for review		
В	09.09.20	Coordinate with architectural updates		
С	20.05.21	Coordinate with architectural updates		

DRAWING SCHEDI II E

DRAWING SCHEDULE			
SHEET#	DRAWING TITLE	REV	
/1	HARDSCAPE PLAN	С	
/2	DEEP SOIL PLAN	С	
/3	LANDSCAPE MASTER PLAN	С	
/4	LANDSCAPE PLAN 01	С	
/5	LANDSCAPE PLAN 02	С	
/6	SECTIONS	С	
/7	DETAILS + SPECIFICATION	С	
/8	DETAILS	С	
/9	DETAILS	С	



Suite 101, 506 Miller St **CAMMERAY NSW 2062** Fax: 8209 4982

CHILDCARE CENTRE SHADE AREA CALCULATIONS

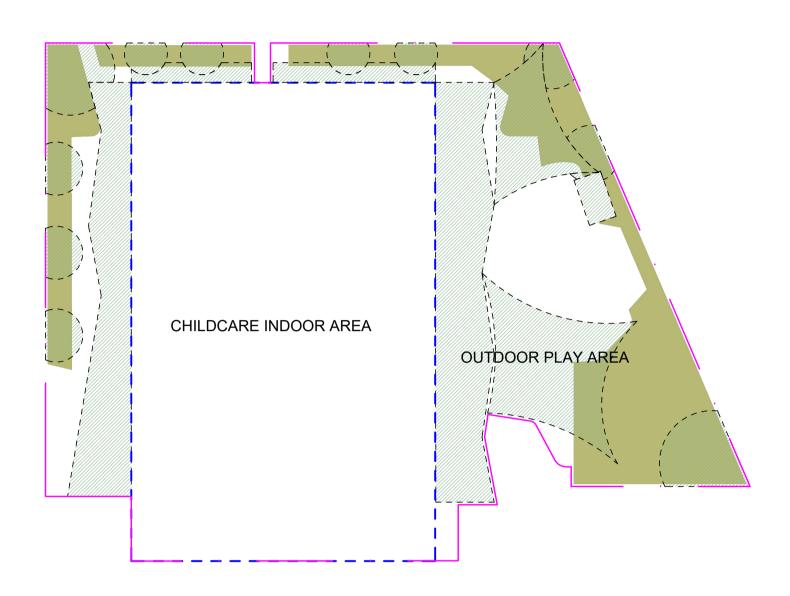
849.54m² **OUTDOOR PLAY AREA: REQUIRED SHADE AREA:** 424.77m² (50%) PROPOSED SHADE AREA: 497.53m² (58.56%) PROPOSED NATURAL PLAY AREA: 290.97m² (34.25%)

SHADE AREA INCLUDE IN CALCULATION:



NATRUAL PLAY AREA INCLUDE IN CALCULATION:





KEY

NATURAL DEEP SOIL:

NATURAL DEEP SOIL ZONE (WITH MINIMUM DIMENSION OF 6m) GENERAL DEEP SOIL ZONE (WITH DIMENSION LESS THAN 6m)

ON-SLAB PLANTING:

PLANTER OVER SLAB (MINIMUM OF 950mm* SOIL DEPTH FOR SHRUBS, MOUND SOIL TO 1m FOR TREE WHERE IS REQUIRED

> PLANTER OVER SLAB (MINIMUM OF 650mm* SOIL DEPTH FOR GROUNDCOVERS, MOUND SOIL TO 950Mm FOR SMALL TREES WHERE IS REQUIRED)

PLANTER OVER SLAB (MINIMUM OF 450mm* SOIL DEPTH FOR GROUNDCOVERS, MOUND SOIL TO 750Mm FOR SHRUBS WHERE IS REQUIRED)

DEEP SOIL CALCULATIONS

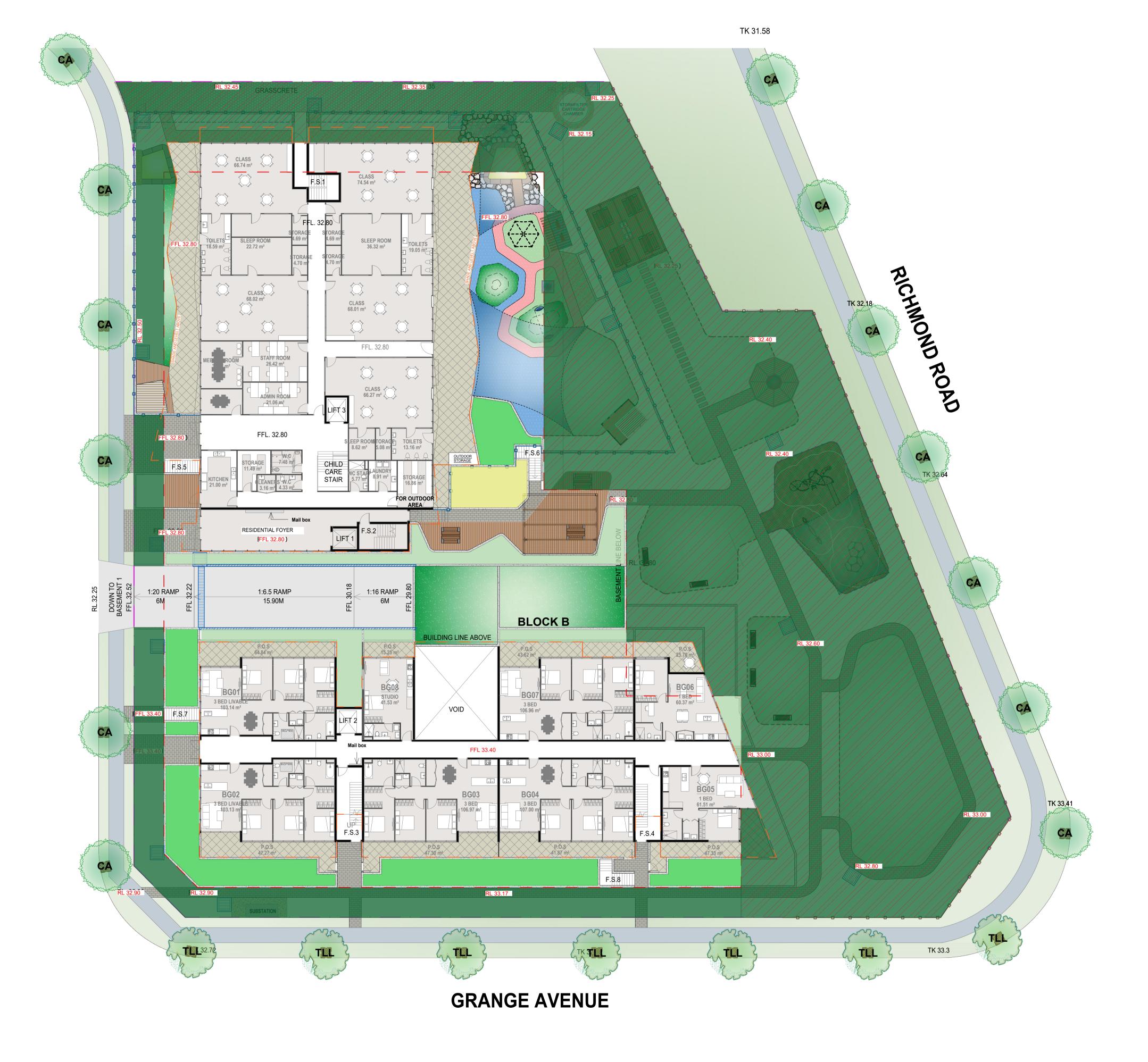
SITE AREA: 5929.5m² REQUIRED NATURAL DEEP SOIL (ADG): 416.1m² (7%)

PROPOSED NATURAL DEEP SOIL AREA (ADG): 2168.93m² (36.57%) (MINIMUM DIMENSION OF 6m AS PER ADG OBJECTIVE 3E-1)

TOTAL DEEPSOIL AREA: 2527.7m² (42.63%) (NATURAL DEEP SOIL AREA NOT ACHIEVING MINIMUM DIMENSION OF 6m)

NATURAL DEEPSOIL AREA INCLUDED IN CALCULATION:

*SOIL DEPTH FOR PLANTING PURPOSE ONLY.



ALLOW FOR ADDITIONAL DEPTH FOR WATERPROOFING, DRAINAGE LAYER, etc IN PLANTER TO ENGINEER'S DETAILS

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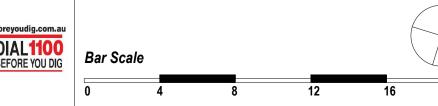
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AILA Associate





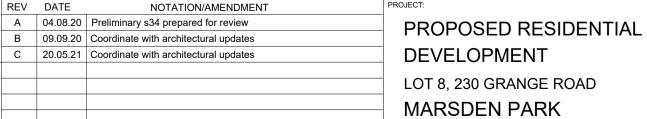








COUNCIL

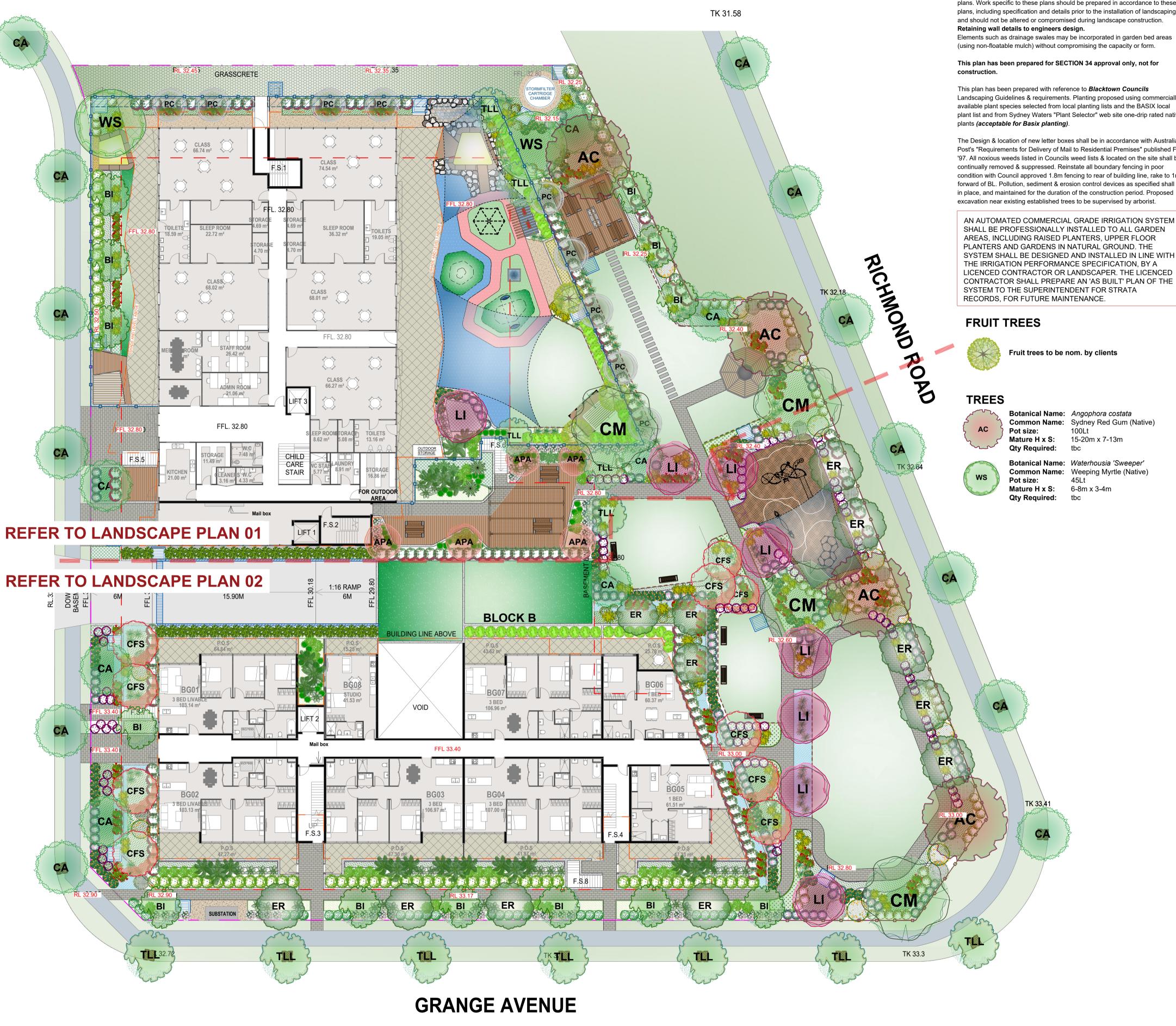


DEEP SOIL F	SECTION 34	
& CALCULAT	1:200 @ A1	
DWG.No:	PAGE NUMBER:	DRAWN:
LPS34 21 - 20	2	R.H

MAY 2021

CHECKED:

R.F



LANDSCAPE PLAN NOTES

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.

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

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 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

AN AUTOMATED COMMERCIAL GRADE IRRIGATION SYSTEM SYSTEM SHALL BE DESIGNED AND INSTALLED IN LINE WITH LICENCED CONTRACTOR OR LANDSCAPER. THE LICENCED CONTRACTOR SHALL PREPARE AN 'AS BUILT' PLAN OF THE

Qty Required: tbc

SHRUBS

Botanical Name: *Grevillea 'Moonlight'* **Common Name:** Moonlight Grevillea (Native) Pot size: **Mature H x S:** 3-6m x 2-4m Qty Required: tbc

Botanical Name: Banksia integrifolia

Mature H x S: 6-8m x 4-5m

Mature H x S: 8-10m x 6-7m

Mature H x S: 8-10m x 3-5m

Common Name: Tuckeroo (Native)

Botanical Name: Corymbia maculata

Mature H x S: 35-45m x 14-20m

Common Name: Watergum (Native)

Botanical Name: Lagerstroemia indica

Common Name: Crepe myrtle (Exotic)

Botanical Name: Acer palmatum 'Ariadne'

Common Name: Japanese maple (Exotic)

Botanical Name: Pyrus calleryana 'Capital'

Common Name: Ornamental Pear (Exotic)

Botanical Name: Backhousia myrtifolia

Common Name: Grey Myrtle (Native)

Botanical Name: *Grevillea 'Honey Gem'*

Common Name: Honey Gem Grevillea (Native)

Mature H x S: 4-6m x 2-4m

Mature H x S: 3-5m x 2-3m

Qty Required: tbc

Mature H x S: 5-8m x 3-5m

Mature H x S: 5m x 3m

Mature H x S: 8m x 5m

Mature H x S: 3m x 4m

Mature H x S: 10m x 3-4m

Qty Required: tbc

Qty Required: tbc

Pot size:

Qty Required: tbc

Common Name: Spotted Gum (Native)

Botanical Name: Tristaniopsis laurina 'Luscious'

Botanical Name: Corymbia ficifolia 'Summer Red'

Common Name: Dwarf Flowering Gum (Native)

Qty Required: tbc

Qty Required: tbc

Qty Required: tba

Qty Required: tbc

Qty Required: tbc

Pot size:

Pot size:

Pot size:

Pot size:

Pot size:

CFS

Qty Required:

Common Name: Coastal Banksia (Native)

75Lt

Botanical Name: Elaeocarpus reticulatus

Common Name: Blueberry Ash (Native)

Botanical Name: Cupaniopsis anacardioides

Botanical Name: Acmena smithii 'Minor' **Common Name:** Minor Lilly Pilly (Native) Pot size: **Mature H x S:** 2-3m x 2m Qty Required: tbc

Botanical Name: Syzygium 'Cascade' **Common Name:** Cascade Lilly Pilly (Native) **Mature H x S:** 2.5m x 1.8m Qty Required: tbc

Botanical Name: Callistemon 'Great Balls of Fire' Common Name: GBOF Bottlebrush (Native) Pot size: 200mm **Mature H x S:** 1.8m x 1.5m Qty Required: tbc

Botanical Name: Gardenia augusta 'True love' Common Name: Gardenia (Exotic) 300mm Pot size: Mature H x S: 1m x 1m Qty Required: tbc

Botanical Name: Syzygium 'Tiny Trev'

Common Name: Dwarf Lilly Pilly (Native)

Pot size: Mature H x S: 1m x 1m Qty Required: tbc Botanical Name: Westringia 'Aussie Box' Common Name: Westringia Aussie Box (Native) 200mm Pot size:

Mature H x S: 0.9m x 0.9m Qty Required: tbc Botanical Name: Banksia spinulosa 'Birthday Candles' Common Name: Banksia Birthday Candles (Native) Pot size:

Qty Required: tbc Botanical Name: Callistemon 'Better John' **Common Name:** Better John Bottlebrush (Native) Pot size: Mature H x S: $1m \times 0.9m$ Qty Required: tbc

Mature H x S: 0.6m x 0.9m

Botanical Name: Loropetalum chinense 'Purple Pixie' Common Name: Purple Pixie (Exotic) 200mm **Mature H x S:** 0.5m x 1.5m Qty Required: tbc

ACCENTS

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

> Botanical Name: Russelia equisetiformis Common Name: Firecracker (Exotic) 200mm Pot size: **Mature H x S:** 1m x 1.2m Qty Required: tbc

Botanical Name: Strelitzia nicolai Common Name: Giant Bird of Paradise (Exotic) Pot size: Mature H x S: 6m x 3m Qty Required: tbc

Botanical Name: Rhaphis excelsa **Common Name:** Rhaphis Palm (Exotic) Pot size: **Mature H x S:** 3m x 1.5m Qty Required: tbc

Botanical Name: Strelitzia juncea **Common Name:** Rush-leaved Strelitzia (Exotic) **Mature H x S:** 1.5m x 1m Qty Required: tbc

SHADES

Botanical Name: Cyathea australis **Common Name:** Rough Tree Fern (Native) 45L (Min 1m trunk) Pot size: **Mature H x S:** 2.5-5m x 3m Qty Required: tbc

Botanical Name: Zamia furfuracea Common Name: Cardboard Palm (Exotic) **Mature H x S:** 1m x 1.25m Qty Required: tbc

Botanical Name: Asplenium australasicum Common Name: Birds Nest Fern (Native) Pot size: 200mm **Mature H x S:** 1m x 1.4m

> Qty Required: tbc **Botanical Name:** Calathea zebrina **Common Name:** Zebra plant (Exotic) 300mm Pot size: **Mature H x S:** 1m x 0.6m Qty Required: tbc

Botanical Name: Philodendron 'Xanadu' **Common Name:** Xanadu Plant (Exotic) **Mature H x S:** 0.7m x 0.7m Qty Required: tbc

GROUNDCOVER

Botanical Name: Liriope muscari 'Just Right' **Common Name:** Liriope Just Right (Exotic) 140mm Pot size: **Mature H x S:** 0.5m x 0.5m Qty Required: 7/m2 (##m2 total)

Botanical Name: Ophiopogon japonicus Common Name: Mondo grass (Exotic) Pot size: **Mature H x S:** 0.2m x 0.2m Qty Required: 9/m2 (##m2 total)

Botanical Name: Trachelospermum Jasminoides **Common Name:** Star Jasmine (Exotic) Pot size: **Mature H x S:** 0.3m x 0.6m Qty Required: 5/m2 (##m2 total)

Botanical Name: Dichondra argentea 'Silver Falls' **Common Name:** Silver Falls Dichondra (Exotic) Pot size: Mature H x S: 0.15m x spreading Qty Required: 9/m2 (##m2 total)

Botanical Name: Myoporum parvifolium 'Yareena' **Common Name:** Creeping Boobialla (Native) Pot size: 140mm Mature H x S: 0.15m x spreading Qty Required: 7/m2 (##m2 total)

Ophiopogon japonicus 'Nana' Viola hederacea Dichondra repens 140mm Pot size: **Mature H x S:** 0.25m x 0.75m Qty Required: 9/m2 (##m2 total)

Shade Groundcover Mix:

Native Grass Groundcover Mix: Lomandra longifolia 'Tanika' Themeda triandra Dianella revoluta 'Revelation'

Poa labillardieri 140mm Pot size: Mature H x S: < .8m Qty Required: 4/m2 (##m2 total)

Groundcover Mix A: Dianella caerulea 'Little jess' Trachelospermum jasminoides Myoporum parvifolium 'Yareena' Pot size: 140mm

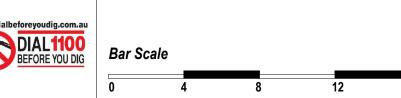
Mature H x S: < .5m **Qty Required:** 5/m2 (##m2 total)

MASTER PLAN SECTION 34 1:200 @ A1 MAY 2021 CHECKED: R.F LPS34 21 - 20 R.H 3

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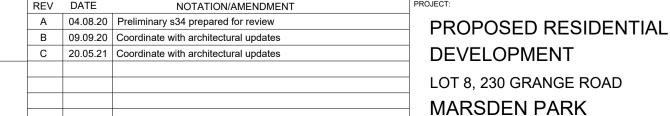
DIAL 1100 BEFORE YOU DIG AILA Associate













LEGEND & SCHEDULE

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 6.THE NATURE STRIP (STREET FRONTAGE) FOR THE SITE IS

PUBLIC LAND, AND ONLY AUTHORIZED WORKS MAY OCCUR HERE. EXISTING CONDITIONS SUCH AS STREET TREES, COUNCIL PLANTING ETC SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION, UNLESS SPECIFIC APPROVAL HAS BEEN GRANTED FOR NEW WORK IN THIS

SHRUBS AND HEDGES

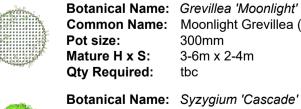
Pot size:

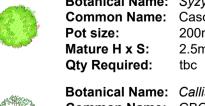
Botanical Name: Backhousia myrtifolia Common Name: Grey Myrtle (Native) **Mature H x S:** 4-6m x 2-4m Qty Required: tbc Botanical Name: Grevillea 'Honey Gem'

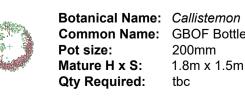
Common Name: Honey Gem Grevillea (Native)



Pot size: 200mm **Mature H x S:** 3-5m x 2-3m Qty Required: tbc Botanical Name: Grevillea 'Moonlight' **Common Name:** Moonlight Grevillea (Native) Pot size:







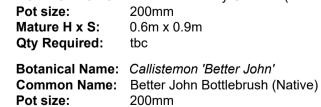
Mature H x S: 2.5m x 1.8m Botanical Name: Callistemon 'Great Balls of Fire' Common Name: GBOF Bottlebrush (Native)

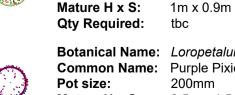


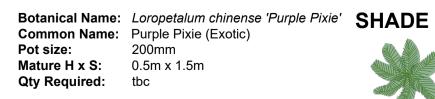
Mature H x S: 2-3m x 2m Qty Required: tbc **Botanical Name:** Gardenia augusta 'True love' **Common Name:** Gardenia (Exotic) Pot size: 300mm Mature H x S: $1m \times 1m$

Qty Required: tbc Botanical Name: Westringia 'Aussie Box' Common Name: Westringia Aussie Box (Native) Pot size:





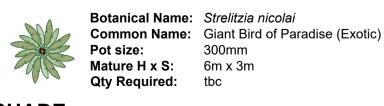




Mature H x S: 1.1m x 1m Qty Required: tbc Botanical Name: Russelia equisetiformis Common Name: Firecracker (Exotic) 200mm **Mature H x S:** 1m x 1.2m Qty Required: tbc **Botanical Name:** Strelitzia juncea **Common Name:** Rush-leaved Strelitzia (Exotic)

Mature H x S: 1.5m x 1m Qty Required: tbc **Botanical Name:** Rhaphis excelsa **Common Name:** Rhaphis Palm (Exotic) Pot size: **Mature H x S:** 3m x 1.5m Qty Required: tbc

Pot size:



Qty Required: tbc **Botanical Name:** Cyathea australis

200mm

300mm

Common Name: Rough Tree Fern (Native) 45L (Min 1m trunk) **Mature H x S:** 2.5-5m x 3m Qty Required: tbc

Pot size: **Mature H x S:** 0.2m x 0.2m



Qty Required: 5/m2 (##m2 total)



Common Name: Creeping Boobialla (Native) Pot size: 140mm Mature H x S: 0.15m x spreading Qty Required: 7/m2 (##m2 total) **Native Grass Groundcover Mix:**



Dianella revoluta 'Revelation' Poa labillardieri Pot size: Mature H x S: < .8m Qty Required: 4/m2 (##m2 total)

Lomandra longifolia 'Tanika'

Themeda triandra



Groundcover Mix A: Dianella caerulea 'Little jess' Trachelospermum jasminoides Myoporum parvifolium 'Yareena' 140mm Pot size: *Mature H x S:* < .5m **Qty Required:** 5/m2 (##m2 total)

OTHER LANDSCAPE ITEMS



Vegetable garden patch - species to be nom. by clients





PIT STOP





SANDSTONE RETAINING

RUBBER SOFTFALL



SANDPIT



MOUND & TUNNEL

VEGETABLE GARDEN



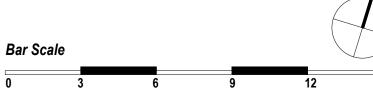
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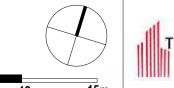
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LANDSCAPE ARCHITECT

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Phone: 9922 5312 Fax: 8209 4982 Mob: 0413 861 351
www.conzept.net.au enquiries@conzept.net.au



Qty Required: 9/m2 (##m2 total) NOTATION/AMENDMENT A 04.08.20 Preliminary s34 prepared for review B 09.09.20 Coordinate with architectural updates C 20.05.21 Coordinate with architectural updates

Qty Required: tbc

Qty Required: tbc

Pot size:

Pot size:

GROUNDCOVER

Qty Required:

Qty Required:

Mature H x S: $1m \times 1.4m$

Mature H x S: 0.7m x 0.7m

Mature H x S: 1m x 1.25m

Mature H x S: 0.5m x 0.5m

Qty Required: 7/m2 (##m2 total)

Botanical Name: Ophiopogon japonicus

Common Name: Mondo grass (Exotic)

140mm

Botanical Name: Zamia furfuracea

Common Name: Cardboard Palm (Exotic)

200mm

Botanical Name: Liriope muscari 'Just Right'

Common Name: Liriope Just Right (Exotic)

Botanical Name: Asplenium australasicum

200mm

Common Name: Birds Nest Fern (Native)

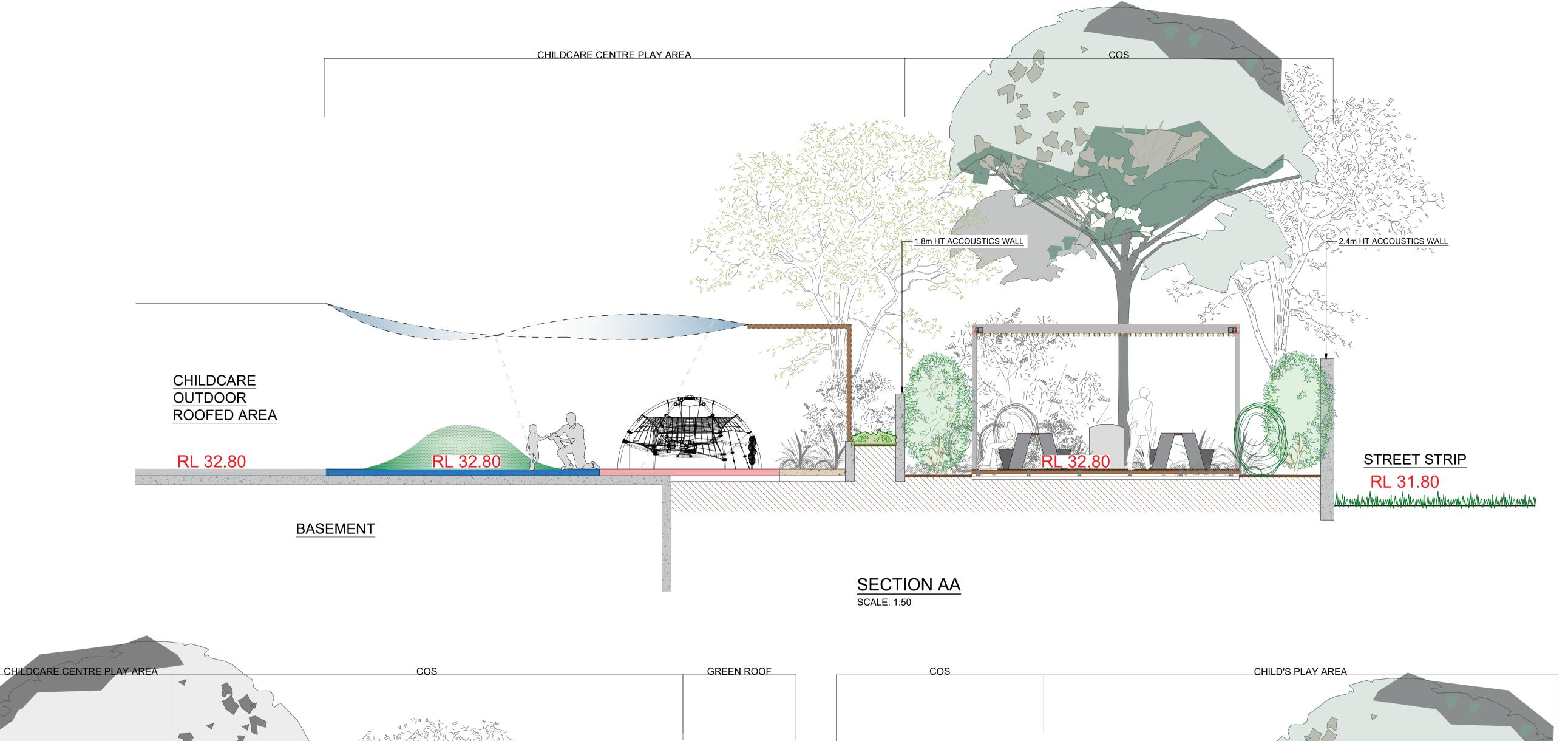
Botanical Name: Philodendron 'Xanadu'

Common Name: Xanadu Plant (Exotic)

PROPOSED RESIDENTIAL DEVELOPMENT LOT 8, 230 GRANGE ROAD MARSDEN PARK

_	LANDSCAPE	PLAN01	SECTION 34	
			scale: 1:150 @ A1	MAY 2021
	DWG.No: LPS34 21 - 20	PAGE NUMBER:	DRAWN:	CHECKED:









SECTION CC SCALE: 1:50

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ΞV	DATE	NOTATION/AMENDMENT	PROJECT:
4	04.08.20	Preliminary s34 prepared for review	PROPOSED RESIDENTIAL
3	09.09.20	Coordinate with architectural updates	I NOI OOLD NEOIDENTIAL
0	20.05.21	Coordinate with architectural updates	DEVELOPMENT
			_
			LOT 8, 230 GRANGE ROAD
			MARSDEN PARK
			MANODEN FANN

:		STATUS:		
SECTIONS		SECTION 34		
		SCALE:	DATE:	
		1:50 @ A1	MAY 2021	
No:	PAGE NUMBER:	DRAWN:	CHECKED:	
PS34 21 - 20	6	R.H	R.F	

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, project arborist's assessment, 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
- 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

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

the root zone of existing trees to be retained.

Existing trees identified to be retained shall be done in accordance with (AS)4970-Protection of trees on development sites as well as in accordance with the tree protection measures prepared by project arborist.

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

Any roots larger in diameter than 50mm shall only be severed under instruction by a qualified 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

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 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 (TO GARDEN OUTSIDE OF TREE PROTECTION ZONES OF TREES RECOMMENDED TO BY

Note: No level changes (Cut or Fill), soil ripping within the Tree Protection Zones of trees to be retained

Il 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

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

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 outside of tree protection zones of trees to be retained 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

Below - Ground Assessment:

All trees supplied above a 25L container size must be grown and planted in accordance with AS 2303:2018 'TREE STOCK FOR LANDSCAPE USE' Certification that trees have been grown to AS 2303:2018 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

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 1800mm x 50mm x 50mm Hardwood timber, or as per council specification where is available. Ties shall be 50mm wide hessian webbing material.

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

d) Mulch Mulch for general planter bed shall be an approved egual to "Forest Blend" as supplied by ANL. Mulch shall be completely free from any soil weeds rubbish or other debris. Mulch for bio-retention/rain garden area where is required shall be non-floatable materials that could include crushed rock, gravel, coarse river sand, scoria or river pebbles. 4-7mm screenings or similar.

Turf for project site shall be soft leaf Buffalo or Zoysia macrantha 'Nana' or equivalent unless stated otherwise), free from any weeds and other grasses, and be in a healthy growing condition. Re-turfing to nature strip where is required shall use species that match existing on street.

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

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

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 for general planter bed 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. Mulch for bio-retention/rain garden area where is required shall be non-floatable materials that could include crushed rock, gravel, scoria or river pebbles. 4-7mm screenings or

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.

Where is required, the Contractor shall install xxxxxxx as detailed on the drawings, to all mass planting beds adjoining turf

g) Earth retaining structure

or gravel mulched areas, and where required. The resultant edge shall be true to line and flush with adjacent surfaces. However, no edging shall be used within the Structural Root Zone (SRZ) of trees to be retained.

All walls which form part of drainage works must be built as detailed by the hydraulic engineer. All walls exceeding

800mm shall be of not timber construction materials, construction details to be provided by a qualified engineer. Install

wall to suit site levels and to manufacture's specification. 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

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 queries 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, Blacktown Council By-Laws and Ordinances.

Drawings:

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

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. **Testing & Defects:**

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

- Main Line Pressure Test: The main line is pressurised to test for leaks. All valves are shut and the pressure is taken over a determined length of time. - Dripper Pressure Test: Measurement at flushing valves are taken and the pressure gauged to make sure it conforms to 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 capacity or efficiency of the system decline during the agreed maintenance system, then these faults shall be immediately rectified.

Warranty:

- 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. **CONSOLIDATION AND MAINTENANCE**

6.01 GENERAL

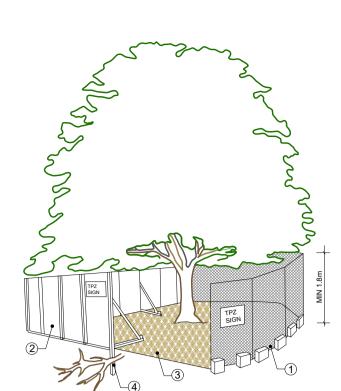
Further Documentation

The consolidation and maintenance period shall be 12 months beginning from the approved completion of the specified 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 works by accepted landscaping or horticultural practices, ensuring that all plants are in optimum growing conditions and appearance at all times, as well as rectifying any defects that become apparent in the contracted works.

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

- Watering all planting and lawn areas / irrigation maintenance.
- 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. Topping up of mulched areas.
- Spray / treatment for Insect and disease control Fertilizing with approved fertilizers at correct rates. Mowing lawns & trimming edges each 14 days in summer or 18 days in winter
- Adjusting ties to Stakes Maintenance of all paving, retaining and hardscape elements.

On the completion of the maintenance period, the landscape works shall be inspected and at the satisfaction of the superintendent or landscape architect, the responsibility will be signed over to the client.



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 5. PRUNING & MAINTENANCE TO TREE

REFER TO AS 4373-2007 PRUNING OF

SPECIFIED

SURFACE

FINISH

SECTION

SCALE: 1:10

AMENITY TREES

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.

AT JUNCTIONS FIX 150 LENGTH

PLATE ACROSS JOIN, FIX WITH

-100 X 5 MM PLATE

 ackslash 75 LENGTH PIPE WELDED TO PALTE

450 LENGTH R10 BAR DRIVEN INTO

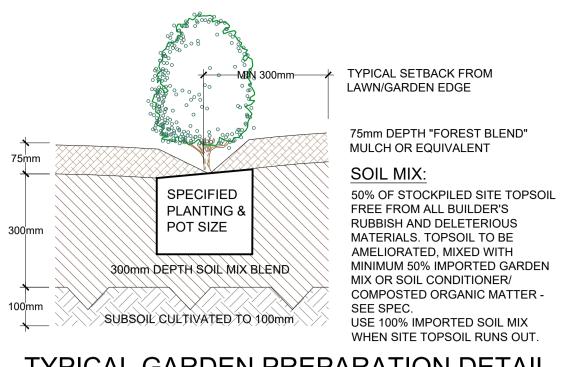
TREE PROTECTION ZONE

N.T.S

PLAN

DETAIL

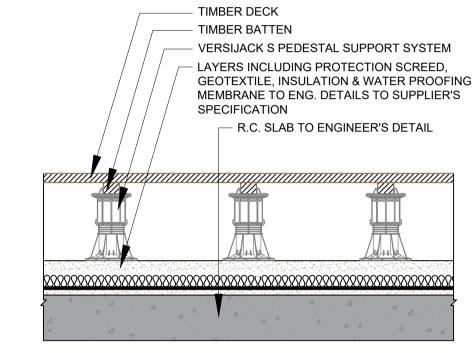
SCALE: 1:10



TYPICAL GARDEN PREPARATION DETAIL

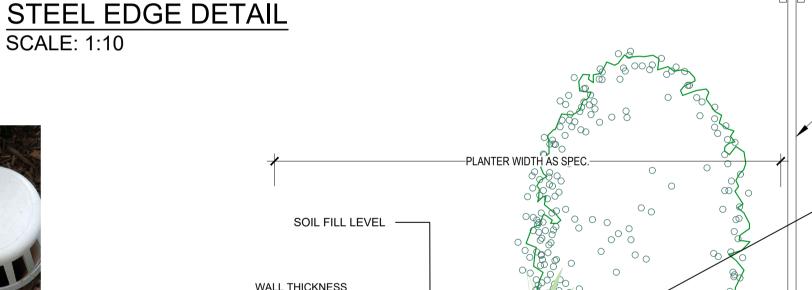
SCALE 1:10

(ONLY APPLICABLE FOR PLANTING AREA OUTSIDE TREE PROTECTION ZONE OF TREES TO BE RETAINED. NO CHANGES ARE TO OCCUR TO EXISTING LEVELS, INCLUDING RIPPING/CULTIVATING OF THE SOIL WITHIN THE TPZ OF TREES TO BE RETAINED ON SITE)



TIMBER DECKING DETAIL

SCALE 1:20



SPECIFICATION) NOTE (BCA COMPLIANCE). WHERE NO EXTERNAL BALUSTRADE IS PROPOSED.

OVERFLOW

(TO SUPPLIER'S

THE INTERNAL PLANTER WALL FACE MUST BE NON-CLIMBABLE TO A **HEIGHT TO MEET AS &** BCA COMPLIANCE. **NOTE.(DRAINAGE & WATER**

PROOFING). DRAINAGE PITS AND LAYOUT TO BE NOMINATED BY HYDRAULIC ENGINEER TO WORK WITH STRUCTURAL DESIGN AND LANDSCAPE. THE WATERPROOFING,

APPROVED DRAINAGE CELL AND SPECIFIED GEOFABRIC LAYER IN THIS DETAIL ARE INDICATIVE ONLY AND SHOULD BE DETAILED BY THE RELEVANT PROFESSIONAL ENGINEER 'FOR CONSTRUCTION'.

UNDER THE CONSTRUCTION

WATER-PROOFING SHALL BE

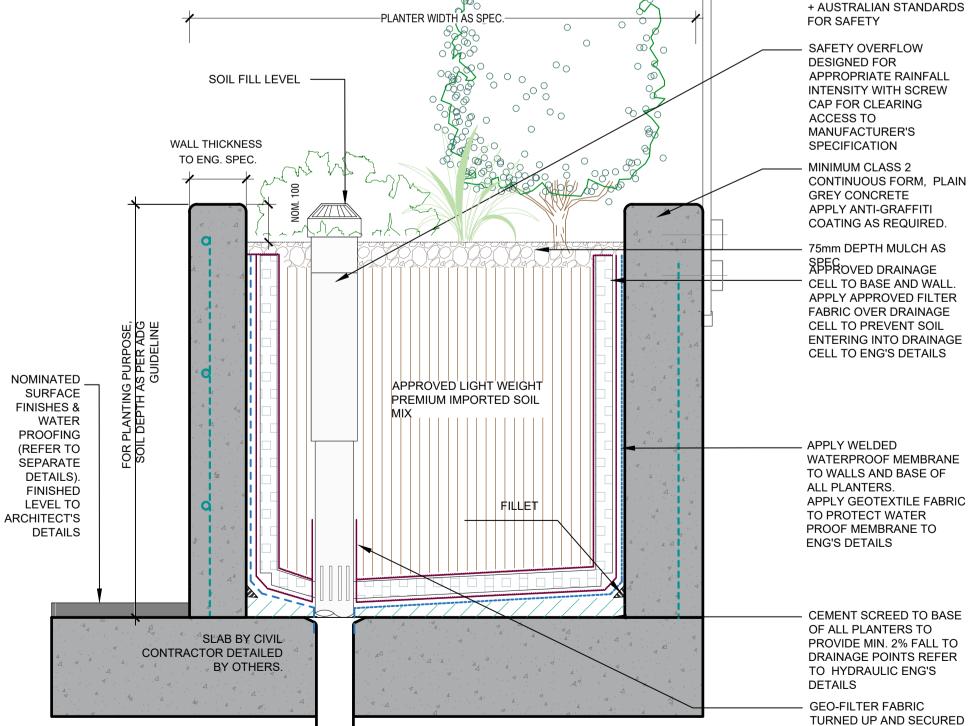
LANDSCAPE ARCHITEC

PRACTITIONER BILL,

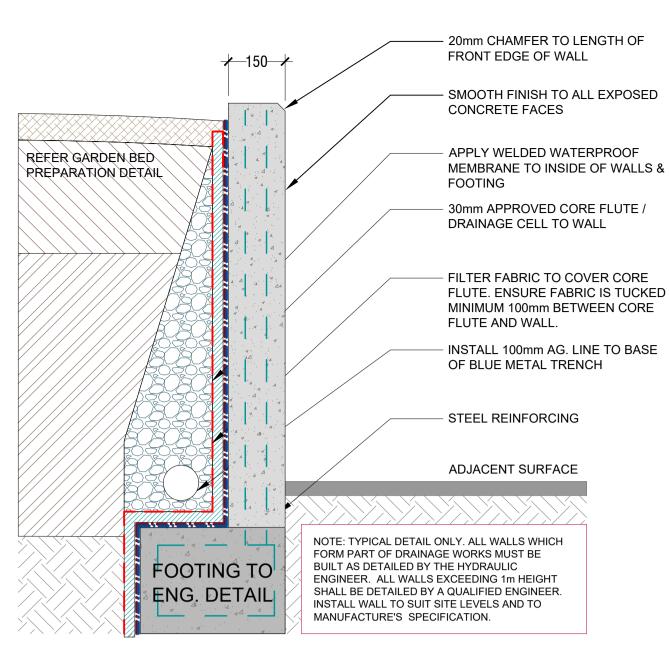
DOCUMENTED BY A

HYDRAULIC ENGINEER

STRUCTURAL

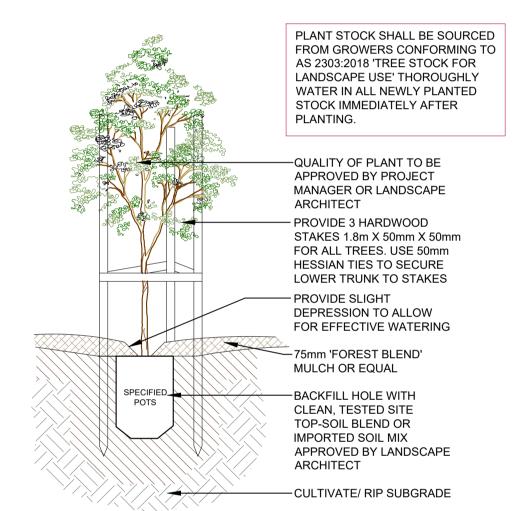


INSITU CONCRETE PLANTER ON SLAB DETAIL SCALE: 1:10



TYPICAL IN SITU RETAINING WALL DETAIL

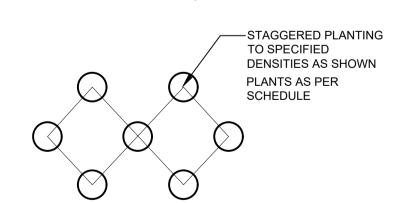
SCALE 1:10



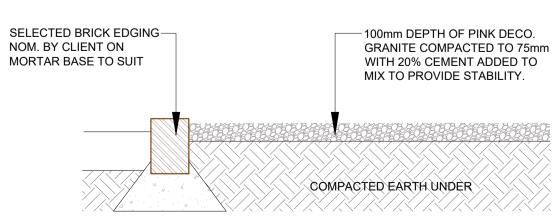
TREE PLANTING DETAIL

SCALE 1:10

SCALE: 1:10 (ONLY APPLICABLE FOR PLANTING AREA OUTSIDE TREE PROTECTION ZONE OF TREES TO BE RETAINED. NO CHANGES ARE TO OCCUR TO EXISTING LEVELS, INCLUDING RIPPING/CULTIVATING OF THE SOIL WITHIN THE TPZ OF TREES TO BE RETAINED ON SITE)



MASS PLANTING SETOUT



TYPICAL COMPACTED DECO GRANITE DETAIL

to scale readings. Verify all dimensions on If so, Conzept is not liable for any loss, damage, harm or inju ite. PDF'd plans may vary slightly in Scale for that indicated on plans. Report any whether special, consequential, direct or indirect, suffered by

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AILA Associate









REV DATE NOTATION/AMENDMENT A 04.08.20 Preliminary s34 prepared for review **BLACKTOWN** B 09.09.20 Coordinate with architectural updates 20.05.21 Coordinate with architectural updates The Bathla

PROPOSED RESIDENTIAL DEVELOPMENT LOT 8, 230 GRANGE ROAD MARSDEN PARK

TO RISER ABOVE

DRAINAGE OPENING

APPROVED & CERTIFIED

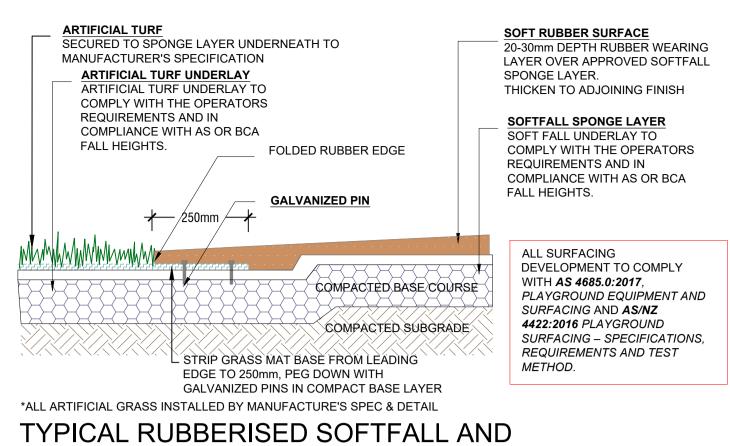
BALUSTRADE WHERE IS

MIN. HEIGHT TO COMPLY

WITH BCA/NCC PART 3.9.2

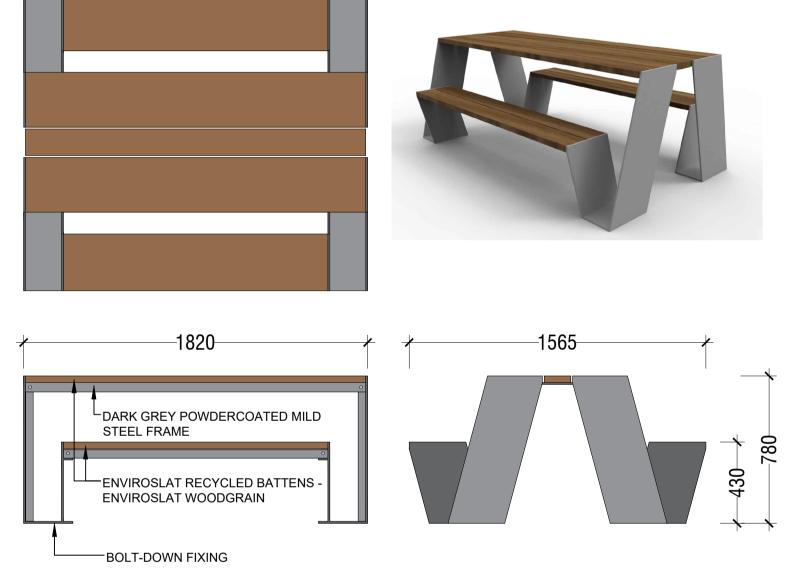
REQUIRED

SPECIFICATION & DETAIL **SECTION 34** MAY 2021 AS SHOWN@ A1 PAGE NUMBER R.F R.H LPS34 21 - 20



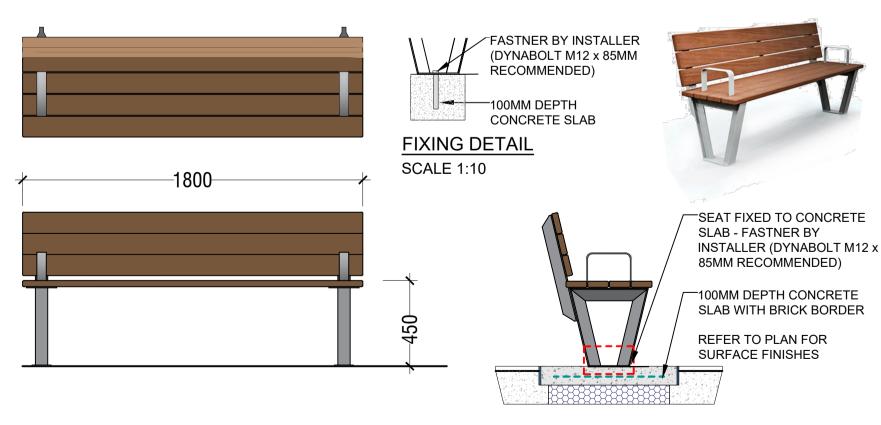
SYNTHETIC TURF IN NATURAL SOIL

SCALE: NTS



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

ODYSSEY PICNIC SETTING BY CSA - PRODUCT CODE: TM4170



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MONACO BENCH SEAT BY GOSSI APPROX 1:20

GENERAL NOTE:

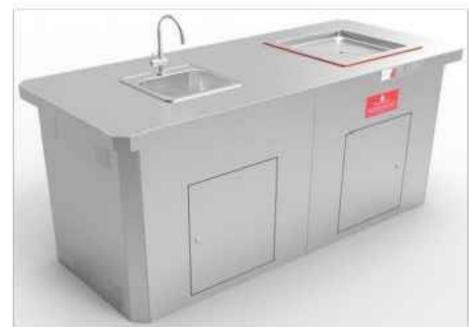
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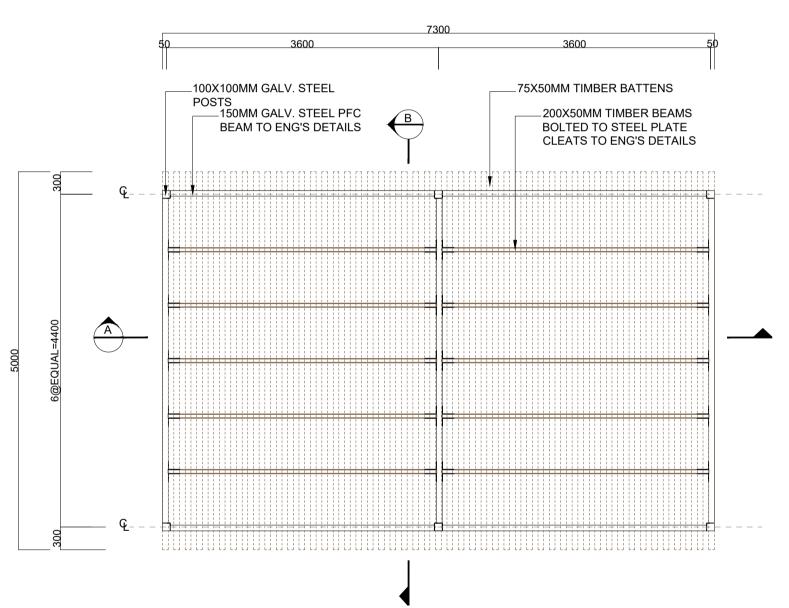
Barbeco Grillex® Double BBQ Unit with 1 x Hotplate and Sink - Stainless Steel Finish



- * Cabinet Dimension: 1900 x 800mm
- * Cabinet manufactured from 304 grade Stainless Steel
- * Grillex* Inbench Barbeque Unit is available in a 10 amp (GXA-10) or 15 amp (GXA-15) option
- * 20 amp RCD is recommended for maximum safety (refer to manual for technical information) * Under and over voltage protection with automatic self-resetting by pressing the push button switch
- * Removable Inbench Unit for fire or flood prone areas * Adjustable cooking temperature (175 - 275 degrees C)
- * Adjustable cooking time (10 40min)
- * 5 second delay child lock feature (can be turned off and on easily)
- * Audible buzzer to alert when Barbeque is turning on and off * Very easy and safe to clean

The Bathla

- * Cooking hot plate made from 316 stainless steel
- * Heavy duty vandal resistant lock
- * Supplied fully assembled reducing installation costs * Fully tested and certified to Australian standards
- * The Barbeque Plates are covered by their own exclusive two year warranty
- * Lifetime Structural Warranty (*Conditions apply) for repair or replacement covering structural failures caused by corrosion, deterioration and faulty workmanship on the cabinet



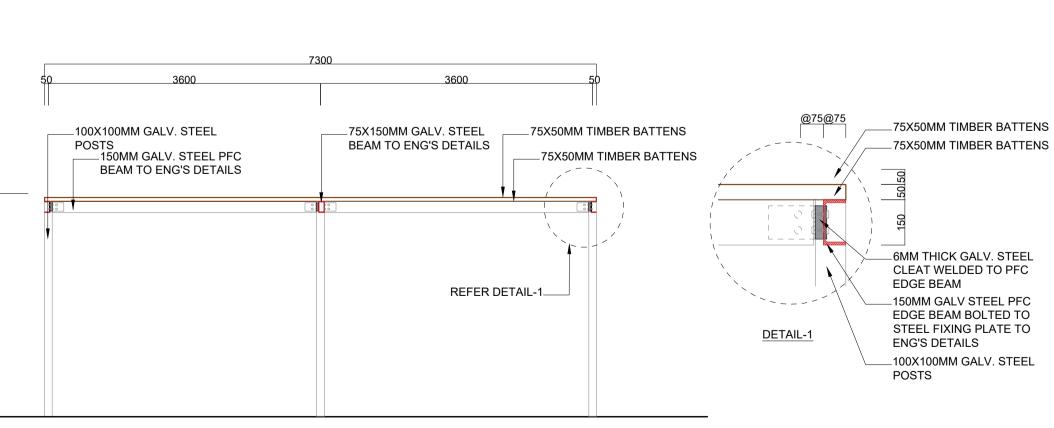
SECTION A-A

Suit 101, 506 Miller Street,

CAMMERAY NSW 2062

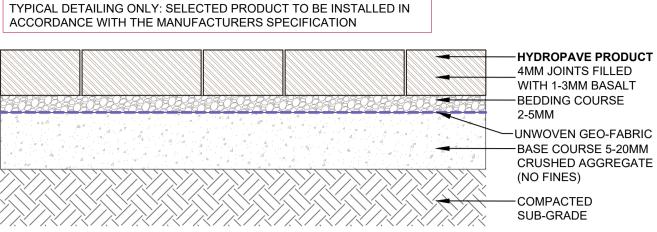
enquiries@conzept.net.au

Fax: 8209 4982 Mob: 0413 861 351

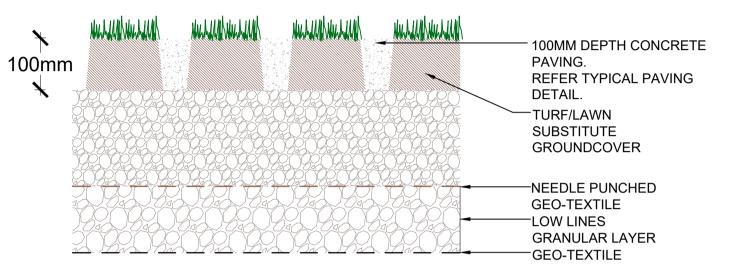


The Bathla

TYPCIAL PERGOLA DETAIL SCALE 1:20



TYPICAL PERMEABLE PAVING DETAIL **SCALE 1:15**



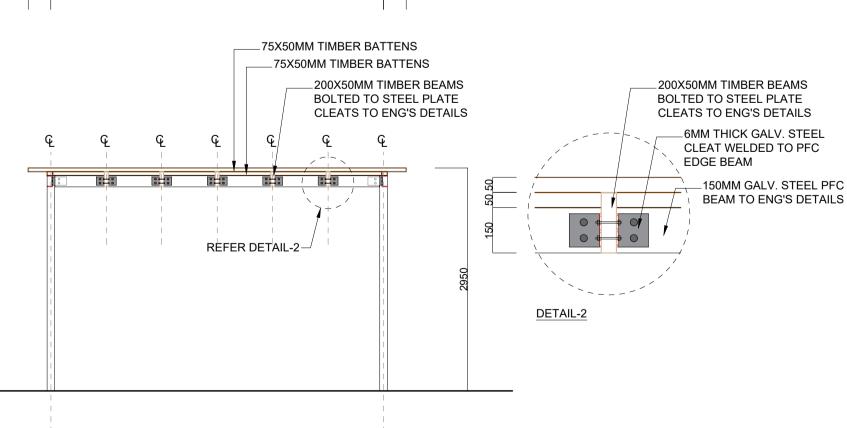
TYPICAL PERMEABLE PAVING & GRASS DETAIL SCALE 1:20



Hydropavers*

NOTE: DETAIL PROVIDED FOR DESIGN INTENT ONLY, TO BE REVIEWED AND VERIFIED WITH FURTHER DETAILING PROVIDED AS REQUIRED FOR CONSTRUCTION BY ARCHITECT/ STRUCTURAL ENGINEER

6@EQUAL=4400 _75X50MM TIMBER BATTENS 75X50MM TIMBER BATTENS

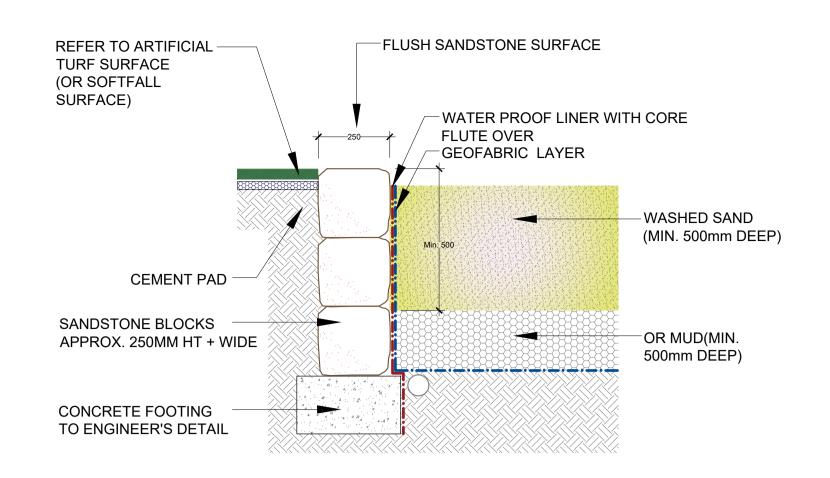


SECTION B-B

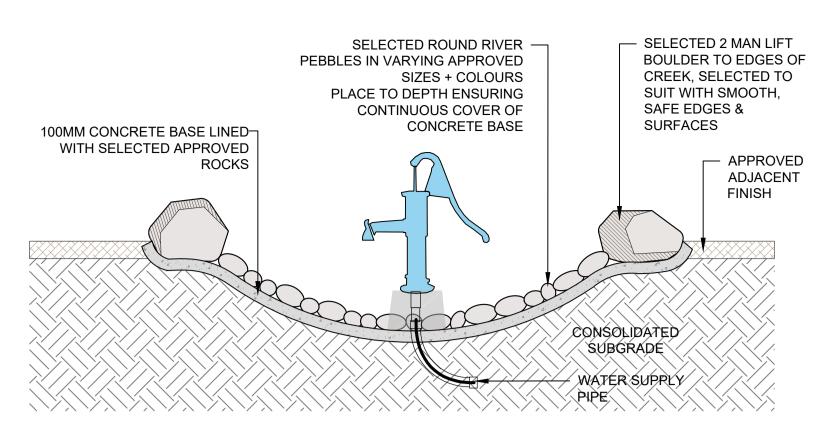
MARSDEN PARK

NOTATION/AMENDMENT A 04.08.20 Preliminary s34 prepared for review PROPOSED RESIDENTIAL BLACKTOWN B 09.09.20 Coordinate with architectural updates DEVELOPMENT C 20.05.21 Coordinate with architectural updates LOT 8, 230 GRANGE ROAD

TITLE:		STATUS:		
DETAILS		SECTION 34		
		SCALE:	DATE:	
		AS SHOWN @ A1	MAY 2021	
DWG.No:	PAGE NUMBER:	DRAWN:	CHECKED:	
LPS34 21 - 20	8	R.H	R.F	



TYPICAL SANDPIT & SANDSTONE EDGING DETAIL SCALE 1:20



TYPICAL DRY RIVER BED WIH WATER PUMP TREATMENT SCALE: N.T.S

PRIME + PAINT ALL

- COLOUR TO BE NOM.

TIMBER WORK

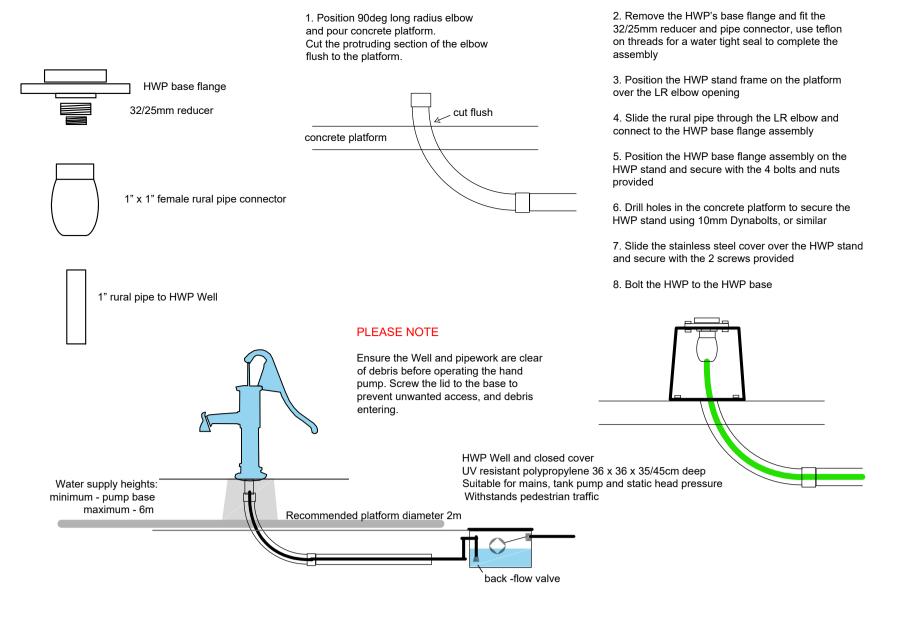
RAFTERS TO BE

ANTI-LIGATURE

ROOF VIEW

SCALE 1:50

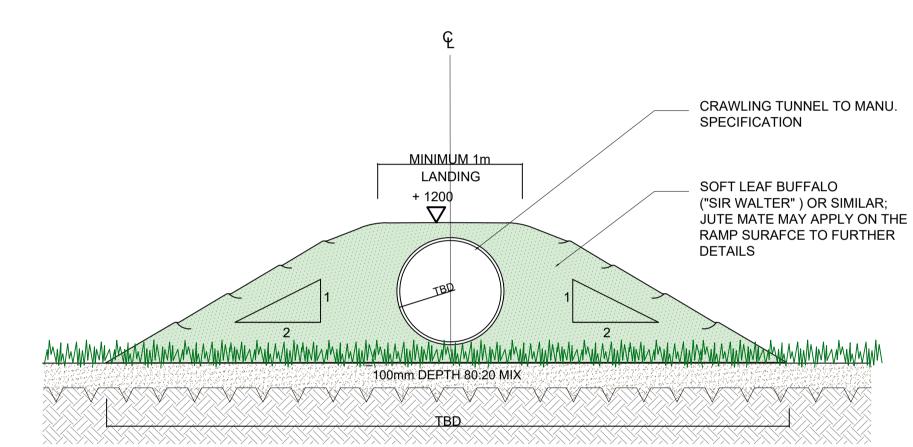
4087.78



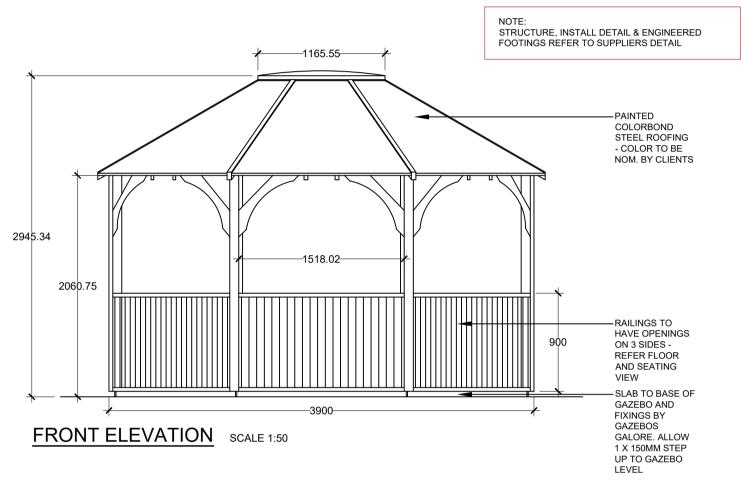
Cast Iron Hand Water Pump Installation Guide

CAST IRON HAND WATER PUMP

N.T.S



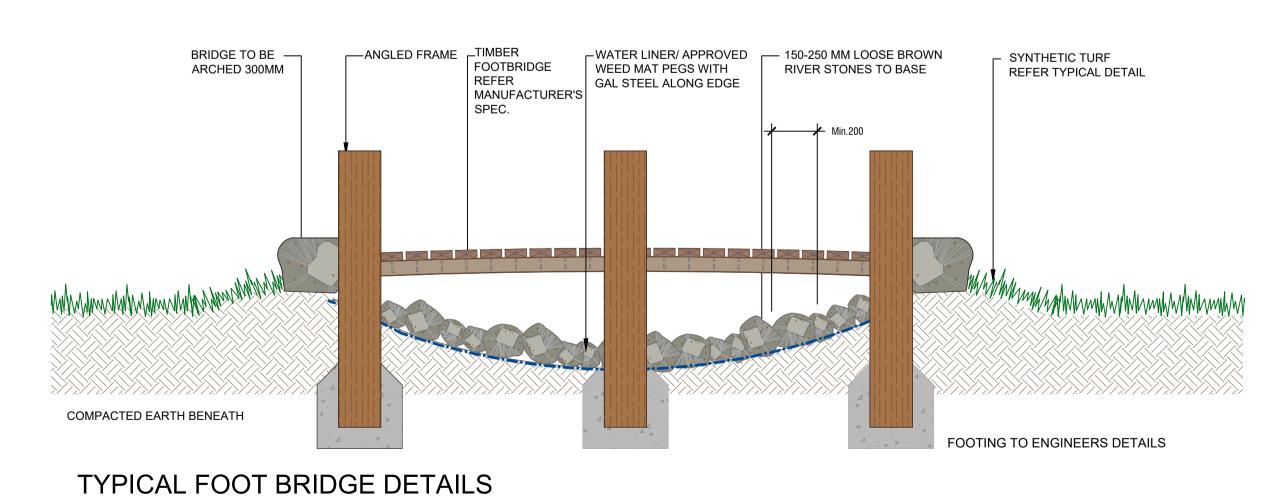
TYPICAL DETAIL: CRAWLING TUNNEL - FRONT ELEVATION SCALE: 1:20

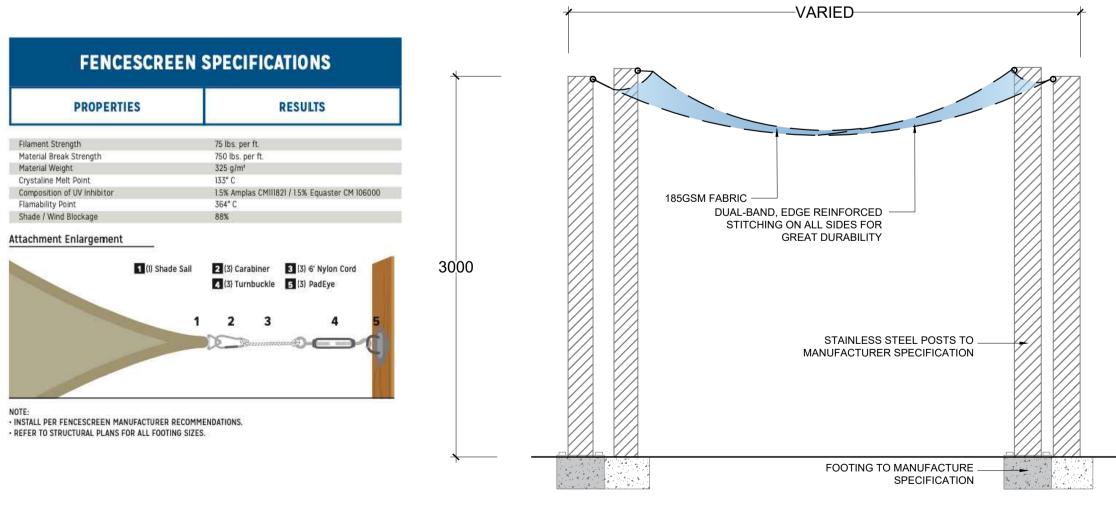


OCTAGONAL GAZEBO TYPICAL DETAIL scale as shown









Outdoor octagonal gazebo supplied by Gaxebos Galore.

Details adapted from drawings

provided by Gazebos Galore

-SKYLIGHT AND ROOF MATERIALS INSTALLATION BY

GAZEBOS

GALORE

MANUFACTURER: GAZEBOS GALORE

PRODUCT NAME: OCTAGONAL GAZEBO

https://gazebosgalore.com.au/octagonal-hexa gonal-pentagon-gazebos/octagonal-gazebo

NOMINAL SIZE: 2.1m OR 2.4m POSTS

CEDAR OR COLOURBOND ROOF

STAINED OR PAINTED FINISHE

PICKETED SIDES

PH: 1800500129

for this product

TRELLIS FIXED ON TIMBER FENCE SCALE: 1:20



CUBBY HOUSE

SCALE N.T.S

MANUFACTURER: AARONS OUTDOOR LIVING

PRODUCT NAME: TAJ MAHAL CUBBY HOUSE 3.3M(W) X 3.3M(L) X 2.1M(H)

MATERIAL: TREATED PINE(ARSENIC FREE) -INSIDE AND OUT

COLOURBOND ROOF - CHOICE OF COLOURS

PH: 1300 227 667

WEBSITE: http://www.aaronsoutdoor.com.au/

Figured dimensions take preference to scale readings. Verify all dimensions on site. PDFd plans may vary slightly in Scale for that indicated on plans. Report any whether special, consequential, direct or indirect, suffered by discrepancies to the Landscape Architect before proceeding with the work.

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to change, alteration or amendment at the discretion of our office.

SCALE 1:20

If the Status of this drawing is not signed off For Construction it may be subject payments are not made following the notification period.





BEAM & RAFTERS VIEW

SCALE 1:50



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ede	enquiries@conzept.net.au

COUNCIL	REV	DATE	NOTATION/AMENDMENT	
BLACKTOWN	Α	04.08.20	Preliminary s34 prepared for review	
	В	09.09.20	Coordinate with architectural updates	
	С	20.05.21	Coordinate with architectural updates	
CLIENT				
TheDathla				
The Bathla Group				
HIII HIII				

PROJECT:
PROPOSED RESIDENTIAL
DEVELOPMENT
LOT 8, 230 GRANGE ROAD
MARSDEN PARK

TITLE:		STATUS:		
DETAILS		SECTION 34		
		SCALE:	DATE:	
		AS SHOWN @ A1	MAY 2021	
DWG.No:	PAGE NUMBER:	DRAWN:	CHECKED:	
LPS34 21 - 20	9	R.H	R.F	