# STAGE 1 KAMIRA AVE VILLAWOOD TOWN CENTRE RE-VISED DEVELOPMENT APPLICATION

മ്രി21002 \_LD DA100[4].DWG **AUG 2022** 

[Rev#] [Description]

2021002: LANDSCAPE ARCHITECTURAL DRAWING LIST

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ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.ALL DIMENSIONS ARE MINIMUM SETTING OUT REQUIREMENTS.

• ALL DIMENSIONS SHOULD BE VERIFIED ON SITE PRIOR TO PROCEEDING WITH THE WORKS. NOTIFY THE PRINCIPALS REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES

• ALL LANDSCAPE DRAWINGS MUST BE READ IN CONJUNCTION WITH RELEVANT CONTRACTS, ARCHITECTURAL REPORTS, SCHEDULES AND SPECIFICATIONS AND ALL OTHER CONSULTANT / CONTRACT DOCUMENTATION. NOTIFY THE PRINCIPALS REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DOCUMENTATION IN WRITING TO OBTAIN CLARIFICATION DIRECTION

• INSTALLATION OF SYSTEMS AND PROPRIETARY PRODUCTS TO BE STRICTLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

• ALL WORK TO COMPLY WITH THE NATIONAL CONSTRUCTION CODE INCLUDING RELEVANT AUSTRALIAN STANDARDS AND REQUIREMENTS OF THE BUILDING CODE OF AUSTRALIA AND AUSTRALIAN WORK HEALTH AND SAFETY LEGISLATION.

• DESIGN DRAWINGS ARE BASED ON SURVEY INFORMATION. PRIOR TO DETAILED DESIGN AND CONSTRUCTION, THE CONTRACTOR IS TO UNDERTAKE A FULL SURVEY TO VERIFY ALL DIMENSIONS AND CONFIRM LOCATION OF EXISTING SERVICES



# LANDSCAPE DA DESIGN STATEMENT

- to increase the number of indigenous species planted in the Fairfield City regions
- to eliminate the use of noxious weeds of potentially invasive species in developments
- to use plants in such a way to foster energy efficient development that relies on passive energy principles for heating and cooling
- to reduce maintenance and water consumption through appropriate species selection
- to create buffer zones and add to existing areas of remnant vegetation with locally indigenous species.

# Principles

- Enhance the appearance and amenity of the proposed residential development by sensitively integrating architecture and landscape through effective site planning and landscape design.
- Consolidate the open space into a coherent landscape treatment that provides visual amenity from above an below.
- Take forward the landscape principles and urban design principles established by the Site specific DCP by Fairfield City Council to Establish a visually and environmentally sensitive landscape, complimentary to the architectural vision and greater urban setting, while providing high quality private spaces for residents
- Provide new tree planting that ameliorates the building scale and offers environmental benefit through micro climate.

# Public Domain & Streetscapes

Subject to ongoing discussions and design development with Fairfield City Council, a possible upgrade and make-good of the public domain and associated streetscapes along Kamira Ave, Kamira Court & Howatt St has been considered as part of the development offer to ensure seamless transitions throughout the ground plane.

# Access, Egress & Connectivity

All fire exits are located near or adjacent to key pathways, pedestrian links and streetscapes promoting safe egress and evacuation if and when required. Definition of a hierarchy of pedestrian pathways has been created to ensure numerous access points and circulation options for the local community.

# CPTED, Safety & Visibility

All raised edges & planter walls are at seating height or lower allowing clear sight-lines and visibility throughout the ground plane. Trees are used to frame spaces and ensure clear visibility to and from the streetscape at all times. Regular congregation spaces and retail activation enables passive surveillance to all areas, discouraging undesired behaviour and possible blind spots.

# Universal Access & DDA Compliance

The ground plane offers full universal accessibility to all reception, lobby and retail areas at maximum 1:20 grades reducing the amount of handrails and clutter in the

# Deep Soil, Soil Depths on Podiums & Permanent Planting

All planters have a minimum soil depth of 450-600mm with a minimum 200mm slab setdown achieved on the Level 3 Communal Podium. This allows planter walls to be at seating height with additional 1:3 mounding to achieve soil depth for trees as per ADG requirements where shown on plan.

For deep soil calculations - refer to architectural design report

NOT FOR CONSTRUCTION LAND

[Project] Stage 1 Kamira Avenue, Villawood

[Ref] 2021002 [Dwg No] LD DA000

**COVER SHEET & DESIGN STATEMENT** 

PLANT SCHEDULE R	E-VISED DEVELOPMENT APPLICATION									
CODE	SPECIES	COMMON NAME	ORIGIN	POT SIZE	EST. MATURE HT	INSTALL SIZE	SPACING	GROUND FLOOR & PUBLIC DOMAIN	LEVEL 3 PODIUM	LEVEL 8 ROOFTOP
TREES										
CUP ana	Cupaniopsis anacardioides	Tuckeroo	Native	200L	6-8m	2.2x1.0m	As Shown	/1		
CYA coo	Cyathea cooperi	Australian Treen Fern	Native	200L	6-10m	2.5x1.0m	As Shown	7	4	
LAG ind	Lagerstroemia indica	Crepe Myrtle	Exotic	200L	6-10m	1.5x1.0m	As Shown		5	1
WAT flo	Waterhousea floribunda	Weeping Lilly Pilly	Native	200L	6-10m	2.2x1.0m	As Shown		3	
ZEL ser	Zelkova serratta	Japanese Elm	Exotic	200L	10-15m	2.2x1.0m	As Shown	4	2	
EUC hae	Eucalyptus maculata	Spotted Gum	Native	400L	15-20m	2.2x1.0m	As Shown	23		
TRI lau	Tristaniopsis laurina	Water Gum	Native	200L	6-10m	2.2x1.0m	As Shown	20	9	3
ELA ret	Eleaocarpus reticulatus	Blueberry Ash	Native	200L	6-10m	2.5x1.0m	As Shown	12		8
LOP con	Lophostemon confertus	Brush Box	Native	400L	15-20m	2.2x1.0m	As Shown	6		
HYM fla	Hymenosporum flavum	Native Frangiapani	Native	200L	6-10m	2.5x1.0m	As Shown		10	
DRA dra	Dracaena Draco	Dragon Tree	Exotic	400L	6-10m	1.5x1.0m	As Shown			1
<b>UNDERSTOREY PLAN</b>										
	MIX TYPE 1 - FULL SUN / PART SHADE									
	SHRUBS									
ACM smi	Acmena smithii	Hinterland Gold'	Native	45L	3-4m	500mm	As Shown	44	50	6
CAL vim	Callistemon viminalis 'Better John' LJ1'	Bottlebrush	Native	200mm	0.6-1.2m	300mm	As Shown	45	~.	
HEL pet	Helichrysum petiolare 'Limelight'	Licorice Plant	Exotic	300mm	0.5m	300mm	As Shown	70	86	
BAN spi	Banksia spinulosa	Hairpin Banksia	Native	300mm	2m	300mm	As Shown	22	86	
BAN rob	Banksia robur	Swamp Banksia	Native	300mm	3-4m	300mm	As Shown	60	101	7
WES fru	Westringia fruticosa 'Grey Box' WES04 GRASSES	Coastal Rosemary	Native	300mm		300mm	As Shown	26	101	7
PEN naf	Pennisetum alopecuroides 'Nafray'	Foxtail Grass	Native	150mm	60cm x 60cm	100mm	3 per m2	20		12
LOM lon	Lomandra longfolia LM400	Matt Rush	Native	150mm	60cm x 60cm	200mm	3 per m2	141		12
DIA cae	Dianella caerulea	Blue Flax Lily	Native	150mm	0.5m	200mm	3 per m2	70	164	
0.4.6	CLIMBERS + GROUNDCOVERS	0 1	N.L.	150	150	100	/	,	0/5	00
CAS gla	Casuarina glauca 'Cousin It'	Cousin It	Native	150mm	150mm	100mm	4 per m2	97	245	20
GAZ tom	Double Gold™ Gazania hybrid 'GT20' Myoporum parvifolium 'Yareena'	Gazania Creeping boobialla	Native	150mm 150mm	200mm 200mm	100mm 100mm	4 per m2	20	245	20 20 20
MYO par	MIX TYPE 2 - PART SHADE / SHADE TOLERAI		Native	roumm	ZUUMM	Toomm	4 per m2	20	243	20
	SHRUBS	VI								
ALP cae	Alpinia caerulea	Native Ginger	Native	300mm	1-3m	500mm	As Shown	18	39	
STR jun	Strelitzia juncae	Narrow Leaved Birds of Paradise		300mm	1-3m	500mm	As Shown	10	3	
PHI xan	Philodendron xanadu	Xanadu Philodendron	Native	200mm	1m x 1m	300mm	As Shown	22	54	
CYC rev	Cycas revoluta	Sago Palm	Native	300mm	1m	300mm	As Shown		27	
	GRASSES									
CLI min	Clivia miniata	Bush Lily	Native	150mm	60cm x 50cm	100mm	3 per m2	30	54	
PEN naf	Pennisetum alopecuroides 'Nafray'	Foxtail Grass	Native	150mm	60cm x 60cm	100mm	3 per m2		164	
LOM lon	Lomandra longfolia LM400	Matt Rush	Native	150mm	60cm x 60cm	200mm	3 per m2		54	
	CLIMBERS + GROUNDCOVERS									
PLE par	Plectranthus parviflorus	Cockspur Flower	Native	150mm	0.2m x 0.6m	100mm	4 per m2		91	
LIR mus	Liriope muscari 'Evergreen Giant'	Giant Liriope	Exotic	150mm	0.4m x 0.6m	100mm	4 per m2	30	91	
TRA jas	Trachelospermum jasminoides	Creeping Jasmine	Exotic	150mm	0.2m x 5m	100mm	4 per m2	30	245	
VIO hed	Viola hederacea	Native Violet	Native	150mm	0.2m x 0.5m	100mm	4 per m2		80	
	MIX TYPE 3 - WSUD RAIN GARDENS									
CAR app	Carex appressa	Tall Sedge	Native	150mm	0.2m x 0.6m	100mm	3 per m2	162		
FIC nod	Ficinia nodosa	Knotted Club Rush	Native	150mm	0.2m x 0.6m	100mm	3 per m2	162		
LOM lon	Lomandra longifolia	Basket Grass		150mm	0.2m x 0.6m	100mm	3 per m2	177		
GOO ova	Goodenia ovate	Hop Goodenia	Native	150mm	0.2m x 0.6m	100mm	3 per m2	158		
Do. i	MIX TYPE 4 - ROOFTOP LOW WATER SPECIES		N. 1 - 2 - 2	450	0.0	400				
POA poi	Poa poiformis	Blue Tussock Grass	Native	150mm	0.2m x 0.6m	100mm	4 per m2			68
THE aus	Themeda triandra	Kangaroo Grass		150mm	0.2m x 0.6m	100mm	4 per m2			68
DIC dis SPI ser	Dictichlis distochophylla Spinifex sericeus	Australian Salt-Grass Hariy Spinifex	Native Native		0.2m x 0.6m	100mm	4 per m2			68 68
	Spinitor coricolic	I Hariy Spinitoy	INIOTIVO	Liblimm	0.2m x 0.6m	100mm	4 per m2	1	1	SA SA

NOT FOR CONSTRUCTION

LAND AND FORM

[Project] Stage 1 Kamira Avenue, Villawood TRADERS IN PURPLE

LEGEND

Stage 1 Site Boundary

Stage 2 & 3 Site Boundary

Stage 1 Public Open Space Dedication Extents

Stage 2 & 3 Public Open Space Dedication Extents

Public Art - Catenary Lighting Installation

+ RL 67.85 Proposed nominal design levels: refer to engineers drawings

+TW Top of Wall Height

+ TM Top of Mound Height (1:3 max grade). Top of mound height reflects total soil depth for planting (mm)

Proposed trees - refer to planting palette in design

Existing trees to be retained. Refer to Arborist

Tree Protection Zone - Refer to Arborist Report

Existing trees to be removed. Refer to Arborist

Structural Root Zone - Refer to Arborist Report

Existing trees to be removed. Refer to Arborist Report

Planter area in ground

Raised planter area minimum 450mm soil depth and mounding for small trees

RG WSUD Raingarden

W1 Wall Type 1: Recycled brick planter wall. To match architectural material palette.

W2 Wall Type 2: Insitu concrete planter wall class 2 finish

W Seating Wall: In-situ concrete seating wall with hardwood timber slats and LED lighting. Class 2 finish.

S1 Seating Type 1: Timber seating bench

S2 Seating Type 2: Bespoke precast concrete seating bench

Sa Seating Type 3: Bespoke precast concrete seating bench and small table

Paving type 1: Pavers in public domain to Council standards.

P2 Paving Type 2: Brick pavers laid in herringbone pattern

P3 Paving Type 3: Floating concrete panels over

P4 Paving Type 4: Feature paving ribbon

P5 Paving Type 5: Stone pavers on pedestal

P6 Paving Type 6: Decomposed Granite

F1 Furniture Type 1: Picnic Table

F2 Furniture Type 2: Communal Table

Balustrade to Architects Details

General Notes:

For Site levels and architectural information refer to Civil and Architects drawings respectively.

For courtyard and overflow drainage refer to Hydraulic engineers drawings

All trees to be retained and are subject to tree protection & management in accordance with relevant Australian standards.

External Lighting and electrical: refer to engineers details.

[Scale] 1:400 @ A1

PLANTING SCHEDULE & LEGENDS

[Status]

[Nom. Architect]

[Print Date]

[Rev#] [Description]

1 RE-VISED DA

**RE-VISED DA** 

RLA #7993

AUG 2022

History

05.08.2022

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[Nom. Architect] RLA #7993

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[Rev#] [Description] [Date]

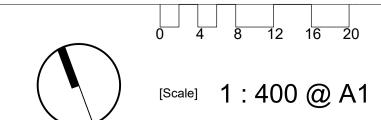
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LAND AND FORM

[Project] Stage 1 Kamira Avenue, Villawood

[Client] TRADERS IN PURPLE





[Client] TRADERS IN PURPLE

[Scale] 1:200 @ A1



LEVEL 3 LANDSCAPE PLAN [Ref] 2021002 [Dwg No] LD DA110 2

[Scale] 1:100 @ A1

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AUG 2022

23.06.2021

05.08.2022

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1 FOR DA 23.06.2021

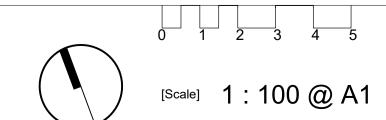
2 RE-VISED DA 05.08.2022

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LAND AND FORM

[Project] Stage 1 Kamira Avenue, Villawood

[Client] TRADERS IN PURPLE





[Scale] 1:200 @ A1

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[Project] Stage 1 Kamira Avenue, Villawood [Client] TRADERS IN PURPLE

[Scale] 1:100 @ A1



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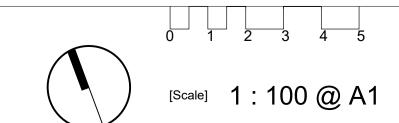
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LAND AND FORM

[Project] Stage 1 Kamira Avenue, Villawood

[Client] TRADERS IN PURPLE



# LANDSCAPE OUTLINE SPECIFICATION NOTES

#### **GENERAL:**

Note the following is an outline specification for DA purposes only.

All works are to be performed by suitably qualified and experienced trades persons in landscape works. All works shall be supervised by a qualified superintendent.

#### **SERVICES IDENTIFICATION**

The contractor shall verify the position of all services prior to the commencement of works and take all necessary precautions to protect services during implementation works.

#### SITE ESTABLISHMENT

The contractor shall establish site access and compound in position agreed with the Superintendent and or subject to Council approval. The Contractor shall be totally responsible for protecting the site works during construction and establishment including vegetation, pedestrian and vehicular management. Implement erosion control and site management practices to secure the site and to comply with all statutory requirements.

# **EARTHWORKS & DRAINAGE**

Bulk earthworks are by the civil contractor. The landscape contractor shall allow for minor earth trimming and profiling to prepare landscape areas to accept the nominated treatment. Protect exposed earthworks with temporary erosion measures and coordinate the on-site disposal of excess spoil with the Superintendent.

#### **SUBSOIL AGRICULTURAL DRAINS:**

All tree positions shall be free draining with positive drainage to SW outlets or natural drainage systems. Install 100mm diameter agg. drains including 200mm wide column of 10-20mm crushed drainage gravel and geo-textile fabric - Bidum A24. Seek direction from the site superintendent.

# PIT LIDS:

The Contractor is to protect all pit lids during earthworks preparation. Retain Telstra concrete oval covers & pit checker plate steel pit covers, and concrete service pits. New pit lids are to be suitable for paver infill

## HARD LANDSCAPE WORKS

#### PAVEMENTS:

Modular Pavement Systems - Pedestrian: Stone paving product

Pavements systems shall conform to the approved Public Domain Framework and or Council's streetscape guidelines to the extent defined on the landscape plans. Supply and install pavements to the pattern nominated over concrete base including; base preparation, mortar bedding, placement, mechanical cutting, expansion | control joints, grout jointing and finishing to achieve levels and positive drainage.

**ROADWORKS:** Refer to Engineers drawings for grading, materials and set-out.

# **FURNITURE & FIXINGS**

Supply and install furniture and fixing in the positions nominated on the plans or as agreed on site with the superintendent. All items are to be installed on concrete base slab or in-ground footings strictly in accordance with the manufacturer's specification. Where necessary, allow for cutting of pavements and or core drilling installation method.

The pavements shall comply with Council and Australian Standards

# LIGHTING

Refer to the electrical engineer's plans for lighting circuits and installation. The general layout are nominated on the landscape plans.

## SOFT LANDSCAPE WORKS

#### SOIL MIX:

Imported Soil Mix:

All planter areas shall have a minimum soil depth of 300mm and 100mm to turf | grass areas with landscape quality soil that conforms to AS 4419 Soils for Landscaping and Gardens.

# Ameliorated site topsoil mix:

The Contractor is to use stockpiled site topsoil adding soil additives and chemicals; lime gypsum and fertiliser nutrients to achieve AS4419.

# **SAMPLE & TESTING:**

Provide 1kg soil mix test sample and data to of imported or modify site soil, clearly

identified and referenced to the test data, prepared by an independent soil laboratory. Submit to the Superintendent for approval prior to supply and placement.

FERTILISER: Apply slow release Oganic fertiliser at the time of planting with pellets to advanced tree positions strictly in accordance with the manufacturers specification and with regard to season, soil mix, watering regimes and sub grade conditions.

## **PLANT MATERIALS:**

Refer to the plant schedule. The contractor shall ensure that all plant materials are secured immediately upon award of contract. Failure to do so will not give rise to substitutions or extensions of time. All stock shall be grown in open areas which are exposed to the sun and wind to promote vigorous plant growth and to harden plants off. All plant material shall be pest and disease free. All plant material shall not be root bound or damaged. Plant densities shall reflect accepted industry standards and Councils guidelines for Landscape Works and be sourced from an accredited nursery. The Contractor will be responsible for purchasing and coordination of delivery to satisfy the construction program. It is the Contractor's responsibility to check trees at the supply source and to accept delivery of the trees at site, ensuring that the trees are supplied in accordance with the specification and are in good health. The Contractor shall allow for unloading and placement of all advanced tree materials.

All bag stock shall conform to the specification and must be secured from an Accredited Nursery. The current Natspec Guide "Purchasing Landscape Trees" is a guide only for quality tree production. All trees must be able to be planted without the use of tree stakes. Any trees requiring staking to be held vertical shall be rejected.

#### **ADVANCED TREES:**

Plant stock shall have a well developed straight stem with tri-branching structure and healthy canopy typical to the species and to the minimum sizes scheduled.

Excavate a hole a minimum 2X wider than the root ball and deep enough to accept a minimum 200mm of topsoil below. Break up the base of the hole to a further depth of 200mm, and loosen compacted sides of the hole as necessary to prevent confinement of root growth to the hole. Loosen sides of root ball to promote growth. Backfill with nominated soil mix, lightly tamp and water to eliminate air pockets. Ensure positive drainage to all tree positions.

Supply and install root barrier as nominated and staking as detailed on plans.

**IRRIGATION SYSTEM:** Supply and install an automatically controlled system to landscape areas identified on the plans to achieve 25mm/week precipitation rate. This system shall have a rain switch and have backflow prevention devices fitted in accordance with Councils regulations.

#### **MAINTENANCE PERIOD:**

Planting maintenance period: the planting maintenance period will be 52 weeks and will commence from the date of practical completion. Of each phase of planting works (hereby specified to be a separable part of the works). It is anticipated that planting works will be undertaken in one phase

Planting maintenance program: 2 weeks prior to practical completion, furnish a proposed planting establishment program, and amend it as required. Such proposal should contain details of the types and frequency of maintenance activities involved with the establishment of plants and grassed areas. Comply with the approved program.

Planting maintenance log book: keep a log book recording when and what maintenance work has been done and what materials, including approved toxic materials, have been used. Log book must be signed off by the client's representative after each maintenance visit. Maintain log book in location nominated by superintendent. All entries are to be initialled by person nominated by superintendent. Log book to contain a copy of the approved planting establishment program. Product warranty: submit the supplier's written statement certifying that plants are true to the required species and type, and are free from diseases, pests and weeds. Insurance: the contractor is to ensure suitable insurance cover and / or bank guarantee is in place for the theft and / or damage of all works executed under this contract for the plant maintenance period.

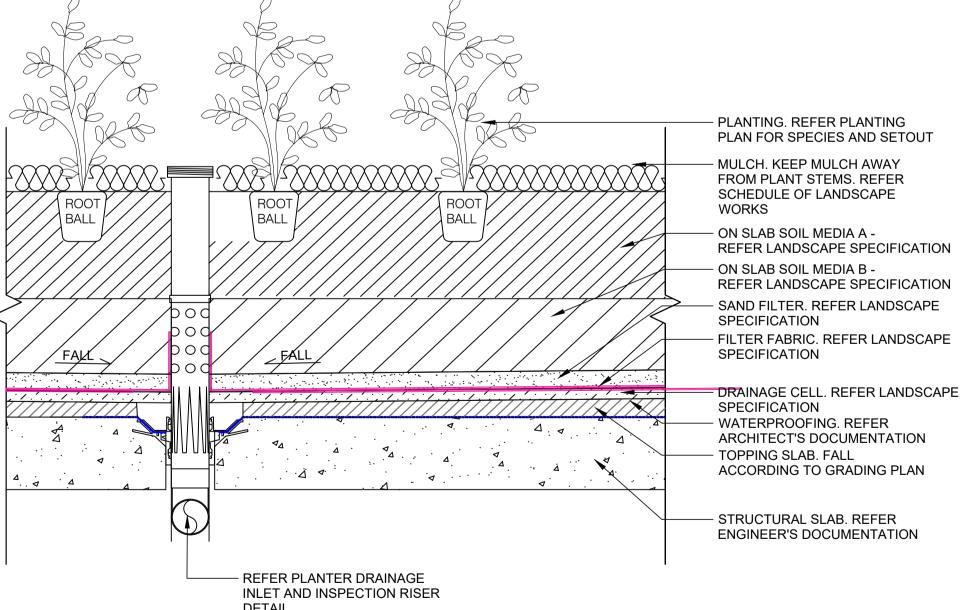
All Drawings To Be Read In Conjunction With Structural, Mechanical, Hydraulic and Electrical Engineers' Detail Drawings And Specifications.

\*\*\*\* ALL WORKS WITHIN THE PUBLIC DOMAIN IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL SPECIFICATION AND DETAILS\*\*

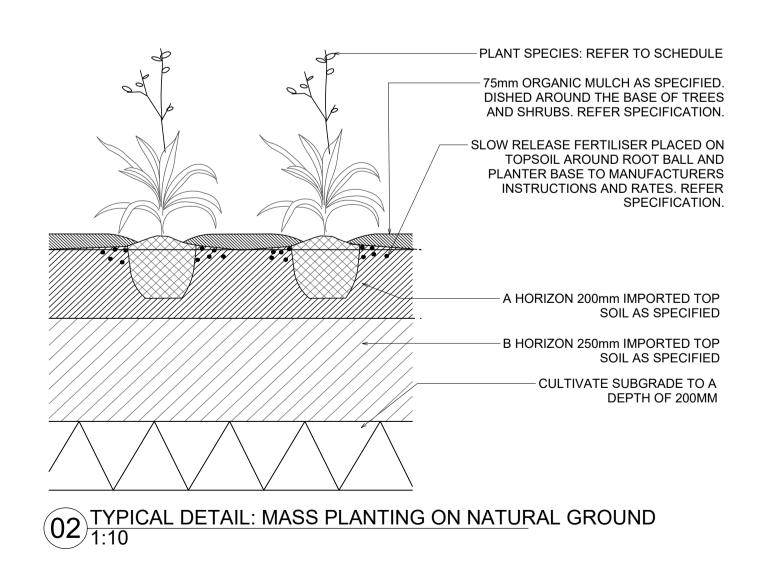
All Levels Indicated Taken To Australian Height Datum (AHD)

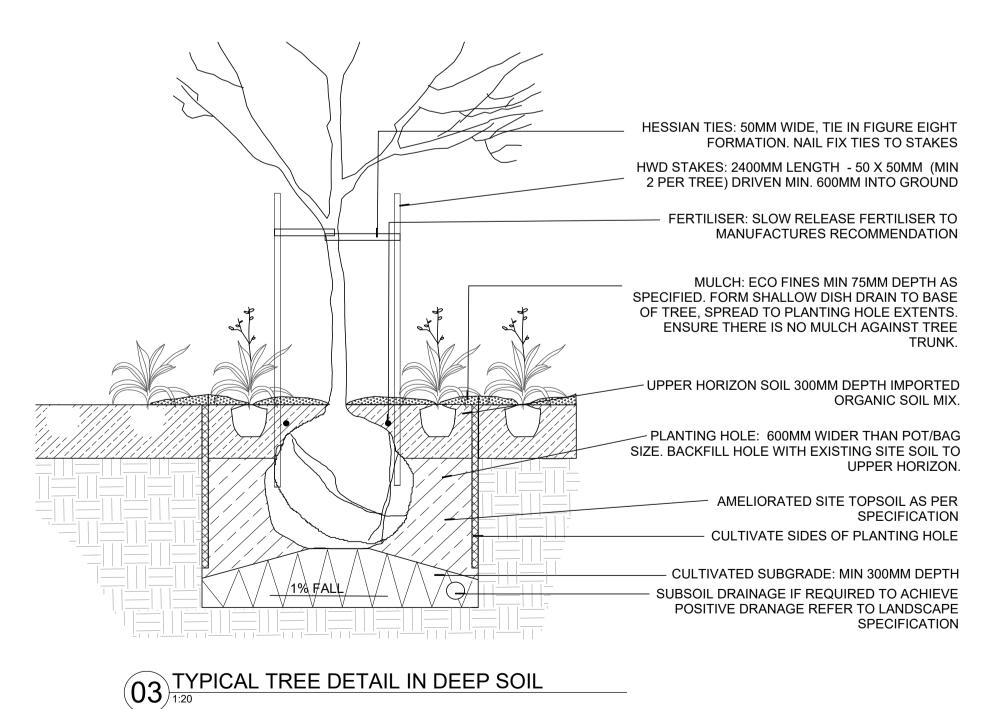
Refer to Detail Drawings For Typical Details.

Generally All Materials & Construction to Comply To AS 3700



01 TYPICAL DETAIL: PLANTING ON PODIUM 1:10





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LAND AND **FORM** 

[Project] Stage 1 Kamira Avenue - Villawood [Client] TRADERS IN PURPLE

**OUTLINE SPECIFICATION & TYPICAL DETAILS** 

[Status]

[Nom. Architect]

[Print Date]

[Rev#] [Description]

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