## WOOLWORTHS AUSTRAL SOUTH

260 EIGHTH AVENUE, AUSTRAL, NSW, 2179

## LANDSCAPE DA DESIGN DOCUMENTATION

#### SITE CONTEXT PLAN



#### DRAWING REGISTER

DRAWING NUMBER	DRAWING NAME	SCALE / SIZE
LDA-01	LANDSCAPE COVER SHEET	N/A
LDA-02	LANDSCAPE MASTERPLAN & EXISTING TREE PLAN	1:400 @ A1
LDA-03	TREE PLANTING STRATEGY	1:400 @ A1
LDA-04	STREETSCAPE LANDSCAPE PLAN	1:200 @ A1
LDA-05	CAR PARK LANDSCAPE PLAN	1:200 @ A1
LDA-06	PIAZZA LANDSCAPE PLAN	1:100 @ A1
LDA-07	MALL LANDSCAPE PLAN	1:100 @ A1
LDA-08	LANDSCAPE SECTIONS	1:50 @ A1
LDA-09	PLANT PALETTE	N/A
LDA-10	LANDSCAPE DETAILS	1:20 @ A3

#### ACKNOWLEDGEMENT OF COUNTRY

WE ACKNOWLEDGE THE TRADITIONAL CUSTODIANS OF THE LAND (PAST, PRESENT AND FUTURE) OF THE LAND ON WHICH WE WORK AND LIVE. WE RECOGNISE THEIR CONTINUING CONNECTION TO LAND AND WATER. WE ACKNOWLEDGE IN PARTICULAR THE GANDANGARA PEOPLES - THE TRADITIONAL OWNERS OF THE LAND THAT THIS SITE IS LOCATED UPON.

CROUNDINK
SUITE 201, 75 ARCHER ST, CHATSWOOD NSW 2067 PH. (02) 9411 3279

WWW.GROUNDINK.COM.AU ABN 55 163 025 456 ACN 163 025 456

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Clarke Hopkins 9X1slO 3/78 CAMPBELL STREET, SURRY HILLS NSW 2010 PH: (02) 9221 9200 WWW.CHC.COM.AU NOTE

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ISSUE	DATE	DESCRIPTION	DRAWN	CHECKED	DRAWING TITLE
С	23.05.23	ISSUE FOR CO-ORDINATION	GS	RL	
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G	14.03.24	ISSUE FOR DA	GS	RL	
Н	02.04.24	ISSUE FOR DA	GS	RL	
I	24.05.24	ISSUE FOR DA	IJ	RL	
J	05.06.24	ISSUE FOR DA	GS	RL	

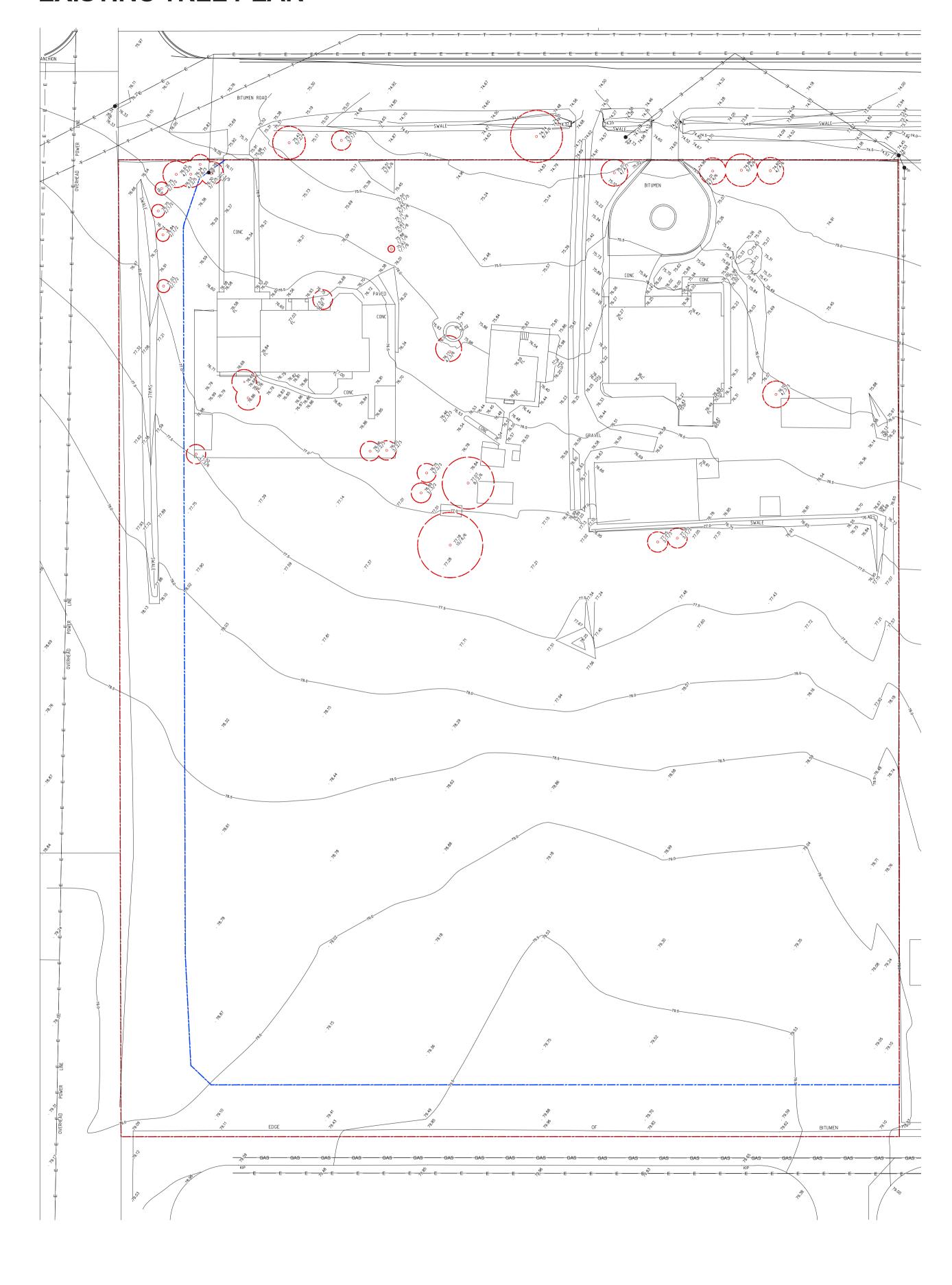
LANDSCAPE COVER SHEET

DATE	JOB NUMBER	DRAWN	CHECKED	DRAWING
05-JUN-24	20230213	GS	RL	LDA
PROJECT				
WOOLV	VORTHS.	<b>AUSTF</b>	RAL SOUTH	
	•			
	H AVENUE, AUS			

# LANDSCAPE MASTER PLAN

#### **EXISTING TREE PLAN**





**LEGEND** 

---- EXISTING LOT BOUNDARY

----- PROPOSED NEW LOT BOUNDARY

EXISTING TREES TO BE REMOVED. REFER TO ARBORIST REPORT DATED APRIL 20, 2023

LANDSCAPE ARCHITECT

**GROUND INK** 

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G	14.03.24	ISSUE FOR DA	GS	RL	
Н	02.04.24	ISSUE FOR DA	GS	RL	
I	24.05.24	ISSUE FOR DA	JJ	RL	
J	05.06.24	ISSUE FOR DA	GS	RL	

DRAWN CHECKED DRAWING TITLE

ISSUE DATE DESCRIPTION

LANDSCAPE MASTERPLAN & EXISTING TREE PLAN

<b>DATE</b> 05-JUN-24	JOB NUMBER 20230213	<b>DRAWN</b> GS	CHECKED RL	DRAWING NUMBER
PROJECT WOOLV	VORTHS,	AUSTI	RAL SOUTH	NORTH
260 EIGHTH				
SCALE 1:400 @ A1	8 12	16M		REV <b>J</b>



**EXISTING LOT BOUNDARY** 

PROPOSED NEW LOT BOUNDARY



PROPOSED 200-400L SEMI-MATURE TREE, REFER LDA-09 FOR INSTALLATION SIZE & MATURE HEIGHTS

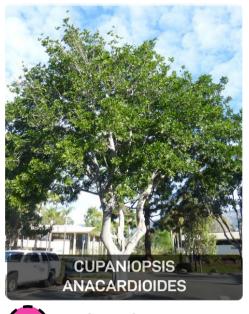


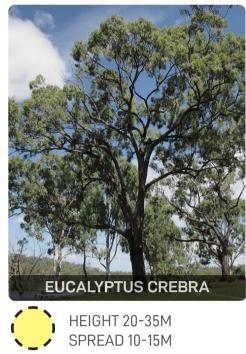
ADVANCED SPECIMEN AT TIME OF PLANTING WITH ELEVATED CROWN AND SINGLE LEADER. TO BE AT LEAST 400L WITH AT LEAST 2M OF CLEAR TRUNK IN ORDER TO MAINTAIN SIGHT LINES WITHIN THE CAR PARK, REFER LDA-09 FOR INSTALLATION SIZE & MATURE HEIGHTS

#### SHADE TREES IN CARPARK LARGE NATIVE TREES IN CARPARK

(6-8M) NATIVE TREE PLANTING PROVIDING SHADE AND AMENITY TO CARPARK ENVIRONMENT REDUCING HEAT ISLAND EFFECT

TALL (>12M) NATIVE TREES PROVIDING YEAR-ROUND SHADE AND ENVIRONMENTAL AMENITY AND REDUCING HEAT ISLAND EFFECT IN CAR PARK







HEIGHT 5-8M SPREAD 8-10M

HEIGHT 15-22M SPREAD 12-15M

TOTAL UNCOVERED CAR PARKING AREA = 3258.79M<sup>2</sup>

TOTAL TREE CANOPY COVERAGE OF UNCOVERED CAR PARK AREA = 1279.28M<sup>2</sup>(39.26%)

#### STREET TREE PLANTING

PROPOSED STREET TREE PLANTING IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S PUBLIC DOMAIN GUIDELINES





HEIGHT 15-23M SPREAD 16M

#### **FEATURE TREES FOR PIAZZA**

ORNAMENTAL FEATURE TREE PROVIDING SEASONAL COLOUR AND PROMOTING SOLAR ACCESS IN THE COOLER MONTHS AND SHADE IN SUMMER





HEIGHT 5-8M SPREAD 4-6M

#### **SMALL TREES WITHIN MALL**

ORNAMENTAL FEATURE TREE PROVIDING SEASONAL COLOUR AND PROMOTING SOLAR ACCESS IN THE COOLER MONTHS AND SHADE IN SUMMER



HEIGHT 8-10M SPREAD 3-6M

LANDSCAPE ARCHITECT

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GS RL

TREE PLANTING STRATEGY

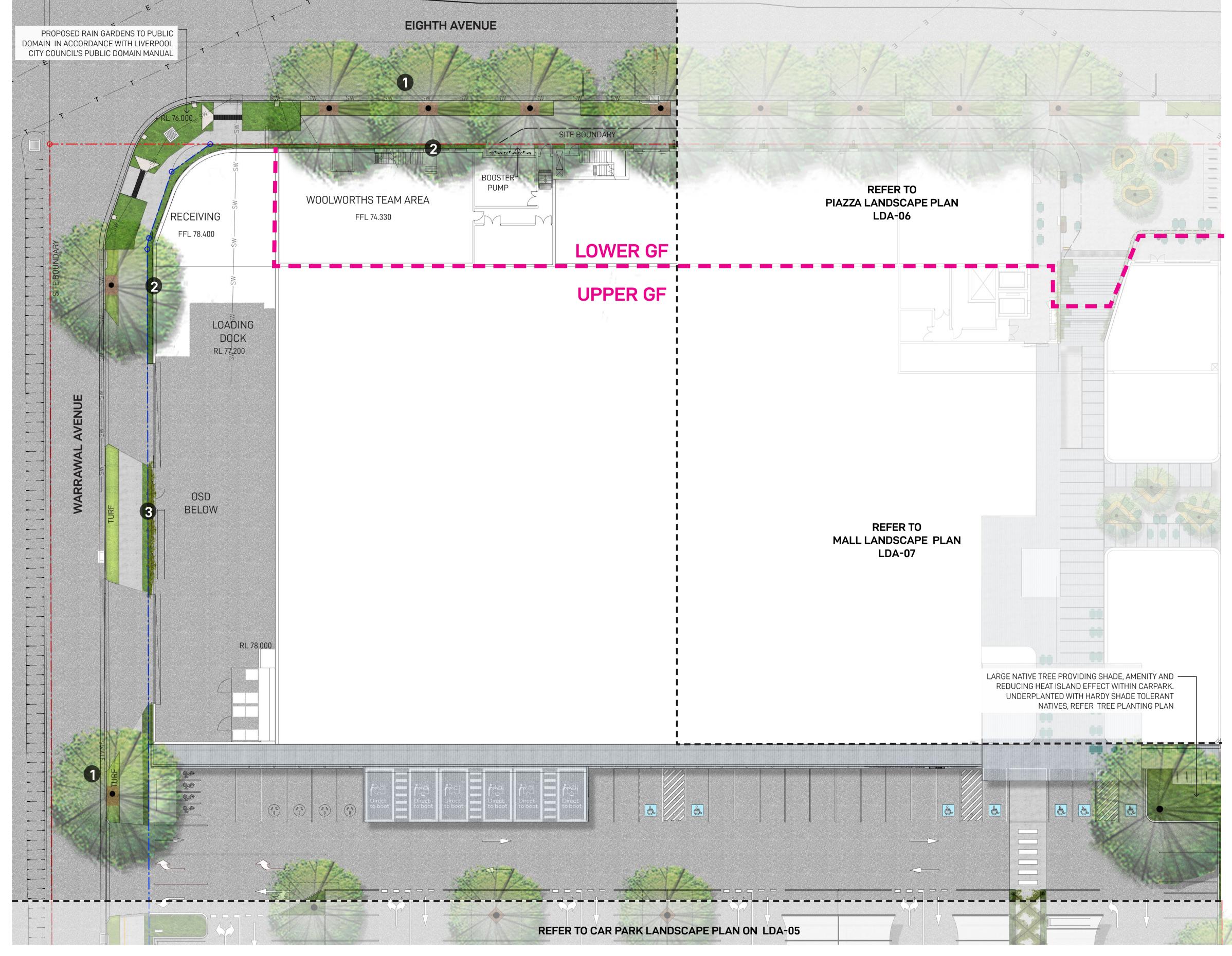
DATE	JOB NUMBER	DRAWN	CHECKED	DRAWING NUMBER
05-JUN-24	20230213	GS	RL	LDA-03
PROJECT				NORTH
WOOLV	VORTHS,			
260 EIGHTH	AVENUE, AUS	STRAL NS	sW, 2179	
SCALE 1:400 @ A1				REV
1.400 @ A1				

- + FFL 78.400 FINISHED FLOOR LEVEL
- + EX 79.350 EXISTING SPOT LEVEL
- + RL 78.400 PROPOSED SPOT LEVEL
- **EXISTING LOT BOUNDARY**
- PROPOSED NEW LOT BOUNDARY
- —SW PROPOSED STORMWATER LINE
- E − EXISTING ELECTRICAL OVERHEAD LINE
- GAS EXISTING GAS LINE



PROPOSED TREES, REFER LDA-05 FOR SPECIES

- PROPOSED NATIVE STREET TREES IN VERGE IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL PUBLIC DOMAIN REQUIREMENTS
- PROPOSED CLIMBERS TRAINED TO TENSILE STEEL WIRES (E.G. PANDOREA) WITH NATIVE GROUNDCOVER/SHRUB PLANTING OF HARDENBERGIA AND MYOPORUM
- PYROSTEGIA VENUSTA TO GROW VERTICALLY UP DOCK SCREEN TO PROVIDE VISUAL SCREENING TO LOADING BAYS



LANDSCAPE ARCHITECT

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	G	14.03.24	ISSUE FOR DA	GS	RL	I
	Н	02.04.24	ISSUE FOR DA	GS	RL	٠
	I	24.05.24	ISSUE FOR DA	JJ	RL	
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STREETSCAPE LANDSCAPE PLAN

		-		
DATE	JOB NUMBER	DRAWN	CHECKED	DRAWING NUMBER
05-JUN-24	20230213	GS	RL	LDA-04
PROJECT				NORTH
WOOLV	VORTHS,	AUST	RAL SOUTH	
260 EIGHTH	I AVENUE, AU	STRAL NS	SW, 2179	
SCALE				REV
1:200 @ A1				J
N 2	4 6	8M		

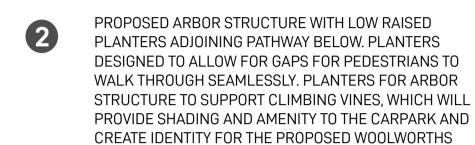
- + FFL 78.400 FINISHED FLOOR LEVEL
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- + RL 78.400 PROPOSED SPOT LEVEL
- - EXISTING LOT BOUNDARY
- - PROPOSED NEW LOT BOUNDARY
- —SW PROPOSED STORMWATER LINE
- ─ E ─ EXISTING ELECTRICAL OVERHEAD LINE
- GAS EXISTING GAS LINE



PROPOSED TREES, REFER LDA-05 FOR SPECIES



PROPOSED LARGE NATIVE STREET TREES IN VERGE IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL PUBLIC DOMAIN REQUIREMENTS



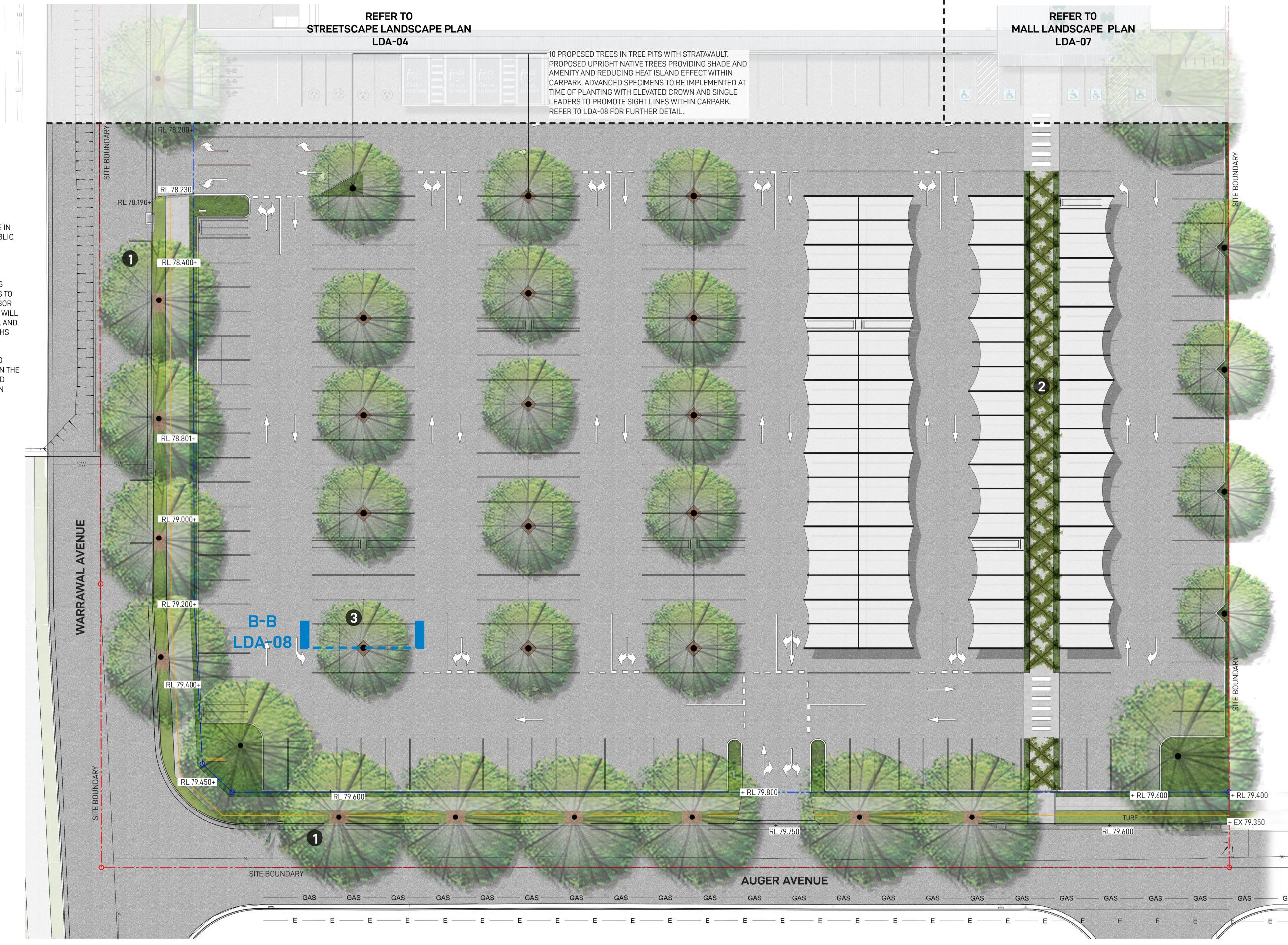
TREES TO BE PLANTED WITHIN CARPARK. TREES TO GROW WITHIN STRATA CELL BAYS, AS INDICATED ON THE PLAN. EACH TREE TRUNK TO HAVE TREE GRATE AND GUARD AS INDICATED, REFER LANDSCAPE SECTION

#### **INDICATIVE DESIGN IMAGES**









LANDSCAPE ARCHITECT

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ARCHITECT

Clarke
Hopkins
9/18 CAMPBELL STREET, SURRY HILLS NSW 2010
PH: (02) 9221 9200
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CAR PARK LANDSCAPE PLAN DATE JOB NUMBER DRAWN CHECKED
05-JUN-24 20230213 GS RL

PROJECT

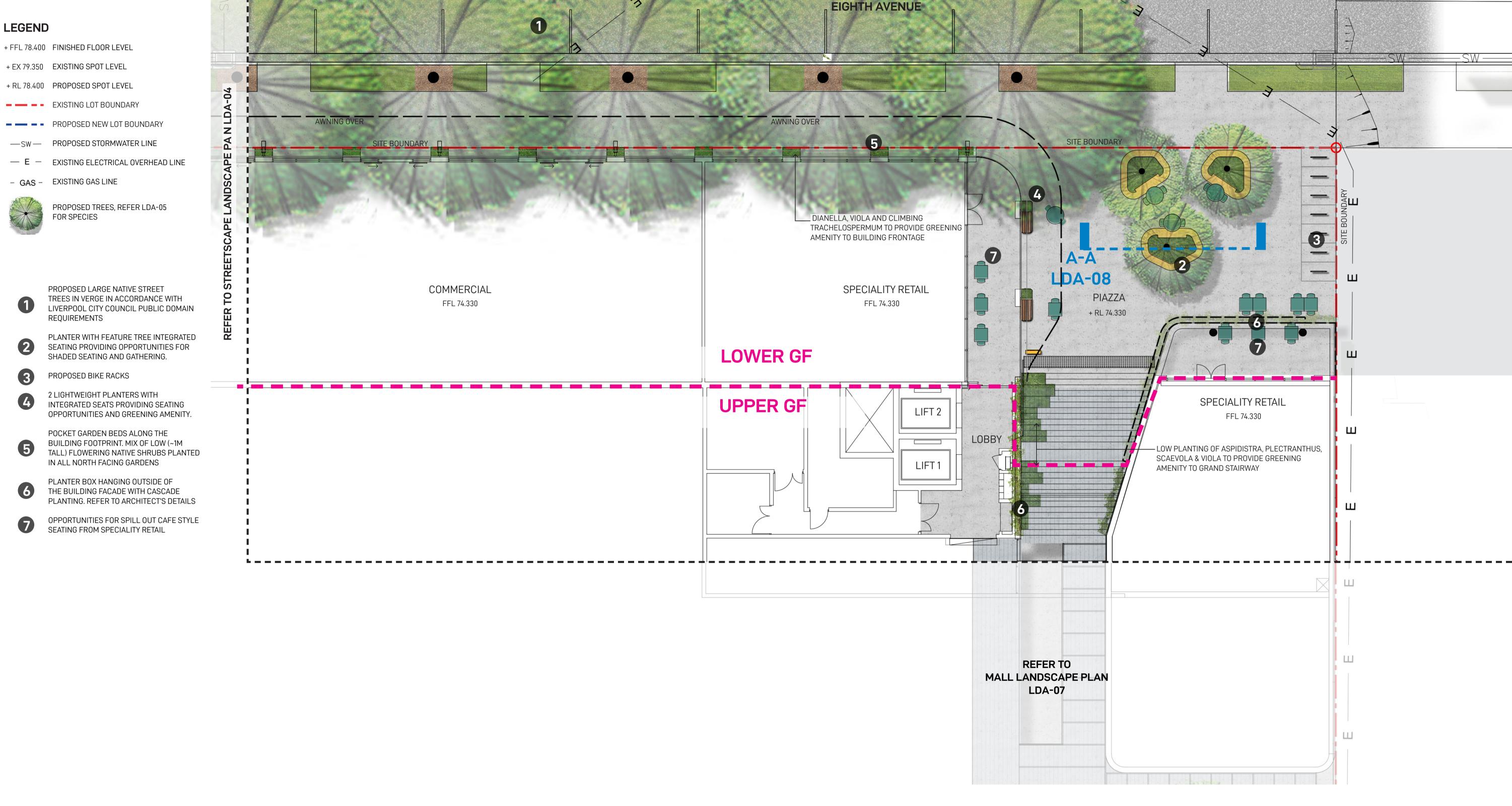
WOOLWORTHS, AUSTRAL SOUTH
260 EIGHTH AVENUE, AUSTRAL NSW, 2179

SCALE
1:200 @ A1

DRAWING NUMBER
LDA-05

REV
J

# **LEGEND** FOR SPECIES REQUIREMENTS



#### **INDICATIVE DESIGN IMAGES**





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NOTE



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G	14.03.24	ISSUE FOR DA	GS	RL	1/\_
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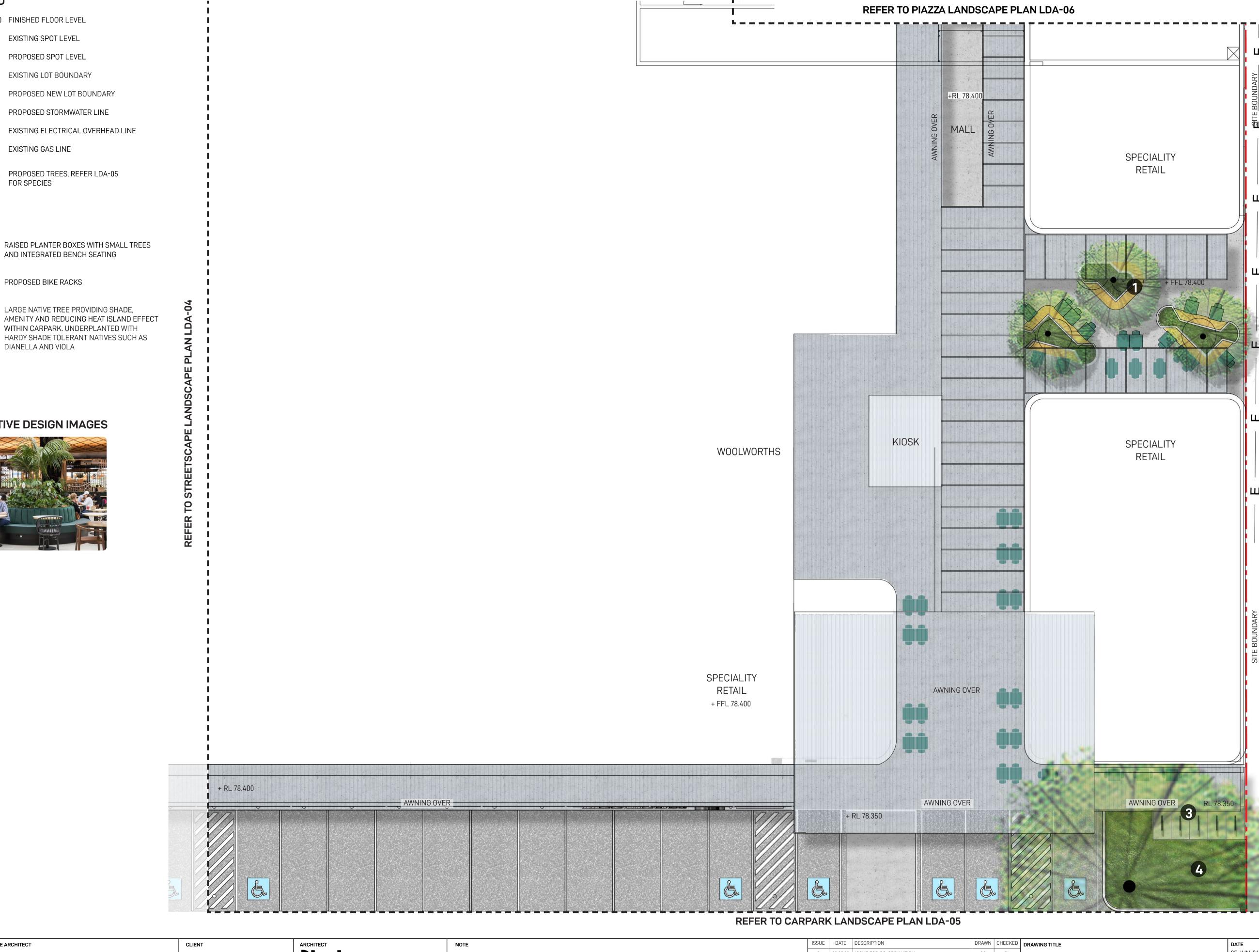
PIAZZA LANDSCAPE PLAN

DATE	JOB NUMBER	DRAWN	CHECKED	DRAWING NUMBER
05-JUN-24	20230213	GS	RL	LDA-06
PROJECT				NORTH
WOOLW 260 EIGHTH				
SCALE 1:100 @ A1	2 2	/M		REV <b>J</b>

### **LEGEND** + FFL 78.400 FINISHED FLOOR LEVEL + EX 79.350 EXISTING SPOT LEVEL + RL 78.400 PROPOSED SPOT LEVEL **EXISTING LOT BOUNDARY** PROPOSED NEW LOT BOUNDARY —SW — PROPOSED STORMWATER LINE E — EXISTING ELECTRICAL OVERHEAD LINE GAS – EXISTING GAS LINE PROPOSED TREES, REFER LDA-05 FOR SPECIES AND INTEGRATED BENCH SEATING PROPOSED BIKE RACKS LARGE NATIVE TREE PROVIDING SHADE, WITHIN CARPARK. UNDERPLANTED WITH

DIANELLA AND VIOLA

INDICATIVE DESIGN IMAGES



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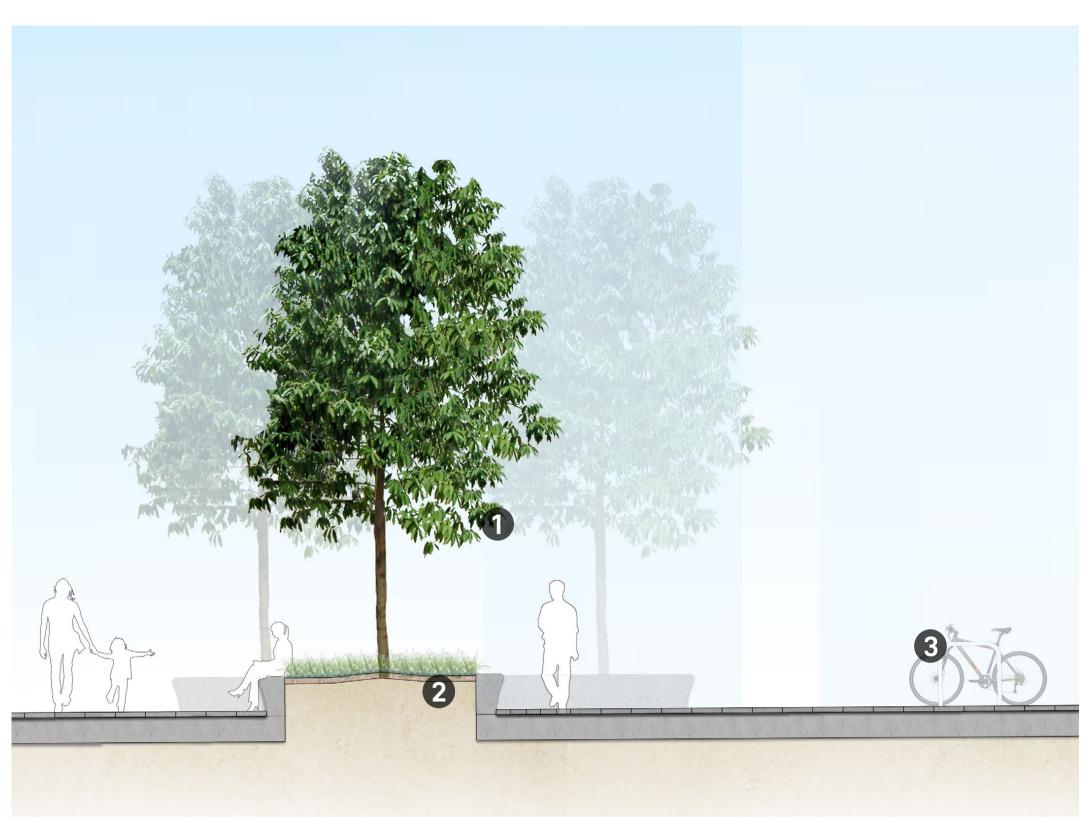
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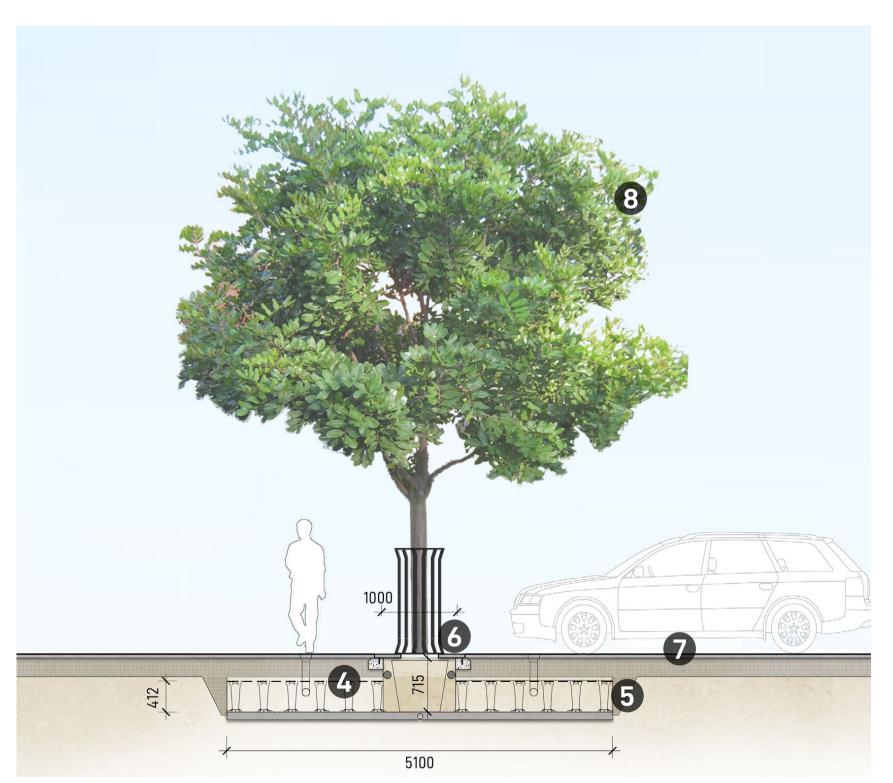
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MALL LANDSCAPE PLAN

JOB NUMBER DRAWN CHECKED DRAWING NUMBER 05-JUN-24 20230213 GS RL **LDA-07** WOOLWORTHS, AUSTRAL SOUTH 260 EIGHTH AVENUE, AUSTRAL NSW, 2179 REV 1:100 @ A1



**SECTION A-A** 



**SECTION B-B** 

- PROPOSED MEDIUM SIZED LOW MAINTENANCE DECIDUOUS TREES, PROVIDING CANOPY AND AMENITY TO THE PIAZZA, AND ALLOWING FOR SOLAR ACCESS IN WINTER
- LARGE CUSTOMIZED SHAPED RAISED PLANTERS WITH INTEGRATED SEATING PROVIDING OPPORTUNITIES FOR SHADED SEATING AND GATHERING
- 3 PROPOSED BIKE RACKS
- PROPOSED STRATA-VAULT STRUCTURAL SOIL MODULES WITH PREMIUM SOIL MIX AND INTEGRATED IRRIGATION / AERATION SYSTEM
- COMPACTED GRANULAR COLLAR AND ROOTSTOP BARRIER LAID ON OUTER WALLS OF PIT
- PROPOSED TREE GRILLE AND GUARD PROVIDING TREE PROTECTION AND AERATION / PASSIVE WATERING OF ROOT BALL
- PERMEABLE SURFACING TO AREAS OF TREE PLANTING WITHIN CARPARK
- PROPOSED UPRIGHT NATIVE TREES PROVIDING SHADE AND AMENITY AND REDUCING HEAT ISLAND EFFECT WITHIN CARPARK. ADVANCED SPECIMENS TO BE IMPLEMENTED AT TIME OF PLANTING WITH ELEVATED CROWN AND SINGLE LEADERS TO PROMOTE SIGHT LINES WITHIN THE CARPARK.

#### **KEY PLAN**



GROUND INK

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LANDSCAPE SECTIONS

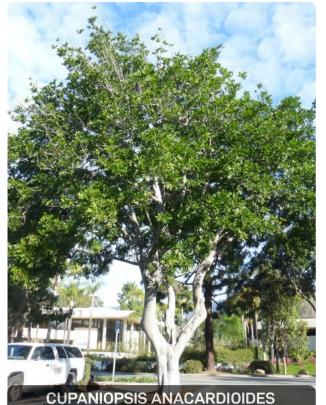
DATE JOB NUMBER DRAWN CHECKED DRAWING NUMBER 05-JUN-24 20230213 GS RL LDA-08

PROJECT

WOOLWORTHS, AUSTRAL SOUTH 260 EIGHTH AVENUE, AUSTRAL NSW, 2179

SCALE 1:50 @ A1

#### LARGE NATIVE TREES FOR THE CARPARK



# QUERCUS PALUSTRIS

# STREET TREES CORYMBIA MACULATA

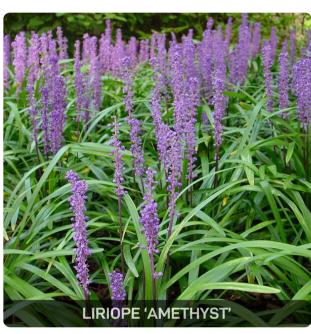
# **PIAZZA TREES** TREES WITHIN MALL

# PYRUS 'CHANTICLEER'

#### **GRASSES**

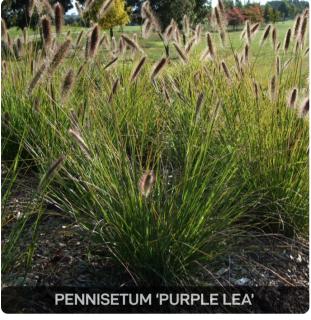




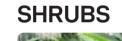










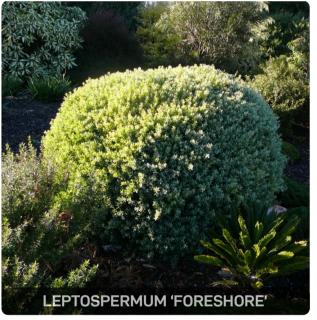












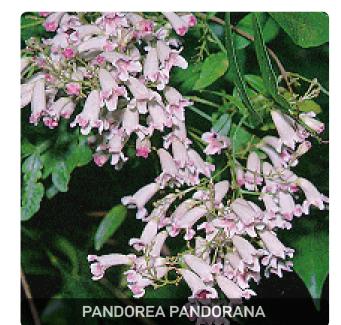




#### PLANT SCHEDULE

PLANT NAME	MATURE HEIGHT	POT SIZE	SPACING	NATIVE
TREES	TIE(OIT)			
CORYMBIA MACULATA (SPOTTED GUM)	15-23M	200L	AS SHOWN	✓
CUPANIOPSIS ANACARDIOIDES (TUCKEROO)	6-8M	400L	AS SHOWN	✓
EUCALYPTUS CREBRA (NARROW LEAVED IRONBARK)	20-35M	200L	AS SHOWN	✓
PYRUS 'CHANTICLEER'	8-10M	200L	AS SHOWN	
QUERCUS PALUSTRIS (SWAMP SPANISH OAK)	15-22M	200L	AS SHOWN	
SAPIUM SEBIFERUM (CHINESE TALLOWWOOD)	5-8M	200L	AS SHOWN	
GRASSES				
DIANELLA 'LITTLE JESS'	0.4M	200MM	6/M <sup>2</sup>	✓
DICHELACHNE MICRANTHA (SHORTHAIR PLUMEGRASS)	0.8M	200MM	4/M <sup>2</sup>	✓
ELYMUS SCABER (COMMON WHEAT GRASS)	1.2M	200MM	4/M <sup>2</sup>	✓
FICINIA NODOSA (CLUB RUSH)	1.0M	200MM	4/M <sup>2</sup>	✓
IMPERATA CYLINDRICA (COGON GRASS)	0.6M	200MM	4/M <sup>2</sup>	J
LIRIOPE 'AMETHYST'	0.4M	200MM	6/M <sup>2</sup>	
LOMANDRA 'TANIKA'	0.6M	200MM	3/M <sup>2</sup>	✓
LOMANDRA 'NYALLA'	0.8M	200MM	3/M <sup>2</sup>	✓
PENNISETUM 'PURPLE LEA'	0.9M	200MM	3/M <sup>2</sup>	✓
POA 'ESKDALE'	0.8M	200MM	3/M <sup>2</sup>	✓
POA SIEBERIANA (BLUE TUSSOCK GRASS)	1.0M	200MM	4/M <sup>2</sup>	✓
SHRUBS				
ALPINIA CAERULEA (NATIVE GINGER)	1.5M	300MM	2/M <sup>2</sup>	✓
ASPIDISTRA ELATIOR (CAST IRON PLANT)	1M	300MM	4/M²	
CALLISTEMON 'MACARTHUR'	1.75M	300MM	2/M <sup>2</sup>	✓
GREVILLEA 'CRIMSON VILLEA'	0.8M	300MM	2/M <sup>2</sup>	✓
LEPTOSPERMUM 'FORESHORE'	0.5M	300MM	4/M²	✓
MELALEUCA 'VELVET CUSHION'	0.6M	300MM	4/M <sup>2</sup>	✓
RUSSELIA EQUISETIFORMIS (FIRECRACKER PLANT)	2M (TRAILING)	300MM	2/M <sup>2</sup>	
CLIMBERS			'	
PANDOREA PANDORANA (WONGA WONGA VINE)	5M (CLIMBING)	300MM	4/M²	✓
PYROSTEGIA VENUSTA (ORANGE TRUMPET VINE)	5M (CLIMBING)	300MM	4/M <sup>2</sup>	
TRACHELOSPERMUM JASMINOIDES (STAR JASMINE)	4M (CLIMBING)	300MM	4/M <sup>2</sup>	
VITIS VINIFERA	4M (CLIMBING)	300MM	4/M²	
GROUNDCOVERS			'	
WAHLENBERGIA COMMUNIS (TUFTED BLUEBELL)	0.75M	150MM	6/M <sup>2</sup>	✓
HARDENBERGIA VIOLACEA (NATIVE SARSPARILLA)	2M (CLIMBING)	300MM	5/M <sup>2</sup>	✓
MYOPORUM PARVIFOLIUM (CREEPING BOOBIALLA)	0.2M	150MM	4/M <sup>2</sup>	✓
PLECTRANTHUS 'SILVER SHIELD'	0.5M	150MM	3/M <sup>2</sup>	✓
SCAEVOLA 'AUSSIE CRAWL'	0.3M	150MM	5/M <sup>2</sup>	✓
DICHONDRA REPENS (KIDNEY WEED)	0.2M	150MM	6/M <sup>2</sup>	✓

#### **CLIMBERS**





CLIENT

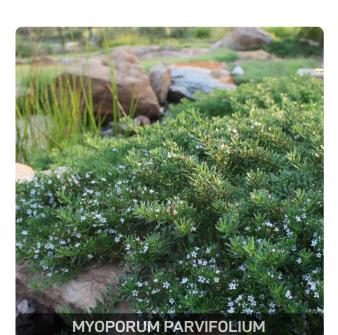


# **GROUNDCOVERS**

NOTE

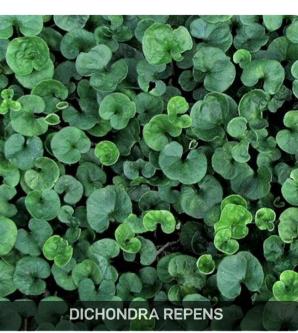












LANDSCAPE ARCHITECT

**GROUND INK** 

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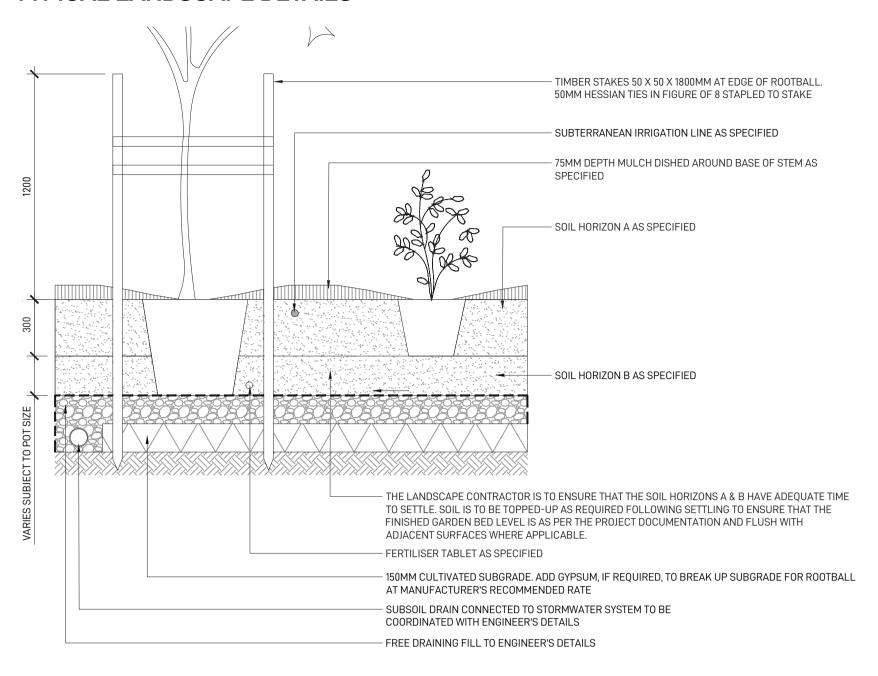
VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. REPORT ALL DISCREPANCIES TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DRAWINGS. ALL WORK IS TO CONFORM TO RELEVANT AUSTRALIAN STANDARDS AND OTHER CODES AS APPLICABLE. LOCATION OF UNDERGROUND SERVICES TO BE PROVEN ON SITE AND PROTECTED IF NECESSARY PRIOR TO CONSTRUCTION. DIAL BEFORE YOU DIG. PLANT SPECIES AND QUANTITIES SHOWN ARE INDICATIVE ONLY AND ARE SUBJECT TO CHANGE BASED ON FUTURE PROJECT REQUIREMENTS.

ISSUE	DATE	DESCRIPTION	DRAWN	CHECKED	DRAWING TITLE
С	23.05.23	ISSUE FOR CO-ORDINATION	GS	RL	
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Н	02.04.24	ISSUE FOR DA	GS	RL	
I	24.05.24	ISSUE FOR DA	IJ	RL	
J	05.06.24	ISSUE FOR DA	GS	RL	

PLANT PALETTE

DATE	JOB NUMBER	DRAWN	CHECKED	DRAWING NUMBER
05-JUN-24	20230213	GS	RL	LDA-09
PROJECT				
	<b>VORTHS,</b> I AVENUE, AUS		RAL SOUTH SW, 2179	I
SCALE 1:50 @ A1				REV <b>J</b>
0 05	1 15	2M		

#### TYPICAL LANDSCAPE DETAILS



#### MASS PLANTING AND TREE DETAIL

TYPICAL SECTION

**SCALE 1:20** 

#### OUTLINE LANDSCAPE SPECIFICATION

MAINTENANCE SHALL MEAN THE CARE AND MAINTENANCE OF THE LANDSCAPE WORKS BY ACCEPTED HORTICULTURAL PRACTICE AS THE LANDSCAPE CONTRACTOR SHALL SPRAY FOR PESTS AND DISEASE INFESTATIONS WHEN THE PEST AND FUNGAL ATTACK HAS BEEN RECTIFYING ANY DEFECTS THAT BECOME APPARENT IN THE LANDSCAPE WORKS UNDER NORMAL USE. THE LANDSCAPE CONTRACTOR POSITIVELY IDENTIFIED AND WHEN THEIR POPULATIONS HAVE INCREASED TO A POINT THAT WILL BECOME DETRIMENTAL TO PLANT SHALL ATTEND THE SITE ON A WEEKLY BASIS TO MAINTAIN THE LANDSCAPE WORKS FOR THE FULL TERM APPROVED AT CC STAGE OF THE GROWTH. APPLY ALL PESTICIDES TO MANUFACTURER'S DIRECTIONS. MAINTENANCE PERIOD (COMMENCING FROM PRACTICAL COMPLETION).

#### RUBBISH REMOVAL

DURING THE TERM OF THE MAINTENANCE PERIOD THE LANDSCAPE CONTRACTOR SHALL UNDERTAKE RUBBISH REMOVAL FROM THE SITE ON A WEEKLY BASIS TO ENSURE THE SITE REMAINS IN TIDY CONDITION.

#### WEED ERADICATION

WEED GROWTH THAT MAY OCCUR IN, PLANTED OR MULCHED AREAS IS TO BE REMOVED USING ENVIRONMENTALLY ACCEPTABLE METHODS (SUMMER) GROWING SEASON. I.E. NON-RESIDUAL GLYPHOSATE HERBICIDE, (E.G. 'ROUNDUP', APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS) OR HAND WEEDING.

#### TREE REPLACEMENT

TREES SHALL SHOW SIGNS OF HEALTHY VIGOROUS GROWTH AND BE FREE FROM DISEASE AND NOT EXHIBIT SIGNS OF STRESS PRIOR TO HANDOVER TO THE CLIENT. ANY TREES OR PLANT THAT DIE OR FAIL TO THRIVE, OR ARE DAMAGED OR STOLEN WILL BE REPLACED. REPLACEMENT MATERIAL SHALL HAVE THE MAINTENANCE PERIOD EXTENDED IN ACCORDANCE WITH THE LANDSCAPE CONTRACT CONDITIONS. TREES AND PLANT MATERIALS SHALL BE EQUAL TO THE MINIMUM REQUIREMENTS OF SPECIES SPECIFIED AND APPROVED MATERIAL DELIVERED TO SITE. SHOULD THE CONDITION DECLINE FROM THE APPROVED SAMPLE THE SUPERINTENDENT RESERVES THE RIGHT TO REJECT THE TREE / PLANTS.

#### FREQUENCY: AS REQUIRED.

#### PRUNING

SELECTIVE PRUNING MAY BE REQUIRED DURING THE ESTABLISHMENT PERIOD TO PROMOTE A BALANCED CANOPY STRUCTURE. THESE ACTIVITIES SHALL BE CARRIED OUT TO THE BEST HORTICULTURAL AND INDUSTRY PRACTICE. ALL PRUNED MATERIAL IS TO BE REMOVED FROM SITE.

#### IRRIGATION

A LOW VOLUME DRIP IRRIGATION SYSTEM TO BE INSTALLED BY A QUALIFIED IRRIGATION ENGINEER. POSITION OF CONTROL BOX, SOLENOIDS AND IRRIGATION CONDUITS TO BE DESIGNED BY THE QUALIFIED IRRIGATION ENGINEER AT CC STAGE. CONTROLLERS SHALL BE MOUNTED ON A STABLE WALL, POWER RACK, OR FORMED AND CONSTRUCTED CONCRETE BASED PEDESTAL MOUNT. PERFORMANCE SPECIFICATION TO BE PROVIDED BY LANDSCAPE ARCHITECT, NOMINALLY 25MM DELIVERED TO PLANT AREAS EACH WEEK DURING ESTABLISHMENT (DEPENDING ON WEATHER CONDITIONS). AFTER ESTABLISHMENT, IRRIGATION RATES CAN BE DECREASED IN CERTAIN AREAS OF THE LANDSCAPE DEPENDING ON THE SPECIES.

#### WATERING

IMPLEMENT AN APPROPRIATE HAND WATERING REGIME TO MAINTAIN PLANT HEALTH AND VIGOUR. THE PROGRAM SHALL REFLECT SEASONAL CONDITIONS AND PLANT SPECIES.

#### FREQUENCY: WEEKLY OR AS REQUIRED.

#### DRAINAGE

ALL LANDSCAPE AREAS ARE TO HAVE POSITIVE DRAINAGE TO SW SYSTEMS. IF AREAS OF POOR DRAINAGE ARE IDENTIFIED ON SITE THEN THIS SHOULD BE BROUGHT TO THE SITE SUPERINTENDENTS ATTENTION. INSTALL AGG LINES IF REQUIRED.

HORIZON A - GARDEN BEDS ON NATURAL GROUND

A SANDY LOAM TO CLAY LOAM TOPSOIL MIX DESIGNED FOR GENERAL PURPOSE, ON-GRADE LANDSCAPE GARDEN BED PLANTING OF GRASSES, WOODY AND HERBACEOUS ANNUALS AND PERENNIALS THAT HAVE HIGH NUTRIENT REQUIREMENT FOR SUSTAINED OPTIMUM GROWTH, AND ARE NOT SUBJECT TO COMPACTION BY PEDESTRIAN AND OTHER FOOT TRAFFIC. HEAVIER TEXTURED SOILS IN THIS SPECIFICATION MAY REQUIRE ENGINEERED SOLUTIONS WHERE EXCESSIVE WETNESS IS ANTICIPATED. NOTE THAT ORGANIC SOIL VARIANT SHOULD NOT BE CHOSEN FOR LOW PLANTINGS AND SHOULD NOT BE USED BELOW 300MM. PLANTING METHODS INCLUDE DIRECT SEEDING, TUBE AND POTTED SPECIMENS UP TO 45L

#### HORIZON B - LARGER POTTED PLANTING BELOW 300MM

A SANDY, WELL DRAINED MEDIUM WITH LOW ORGANIC MATTER FOR BACKFILLING BELOW 300MM FROM THE SURFACE IN LARGER POTTED SPECIMENS OVER 45L OR 400MM DEPTH OF ROOT BALL, SEMI-ADVANCED, ADVANCED AND SUPER ADVANCED TREE PLANTING. THE SPECIFICATION MAY USE A SMALL PROPORTION OF SITE WON TOPSOIL OR SUBSOIL, PROVIDED THE ORGANIC MATTER UPPER LIMIT IS NOT EXCEEDED.

#### CULTIVATION

ALL GARDEN BEDS TO BE CULTIVATED TO A MIN DEPTH OF 150MM AND TREE PITS TO THE DEPTH OF THE ROOT BALL ONLY. IF ADDITIVES SUCH AS GYPSUM ARE REQUIRED CONDUCT THIS AFTER CULTIVATION INTO THE TOP 100MM OF SOIL

#### PLANTING

ALL PLANTING TO BE GROWN TO NATSPEC SPECIFICATIONS. CONTRACTOR TO PREPARE SITE FOR PLANTING INCLUDING WATERING, HANDLING, SETTING OUT AND EXCAVATION. EXCAVATE A HOLE FOR EACH PLANT LARGE ENOUGH TO PROVIDE NOT LESS THAN 100MM ALL AROUND THE ROOT SYSTEM OF THE PLANT. FOR TREE PLANTING EACH HOLE SHALL BE DUG WITH A SHOVEL, BACKHOE OR SIMILAR TOOL INDIVIDUAL HOLES SHALL BE EXCAVATED TO ALLOW ROOT SYSTEM TO SIT FLAT ON THE EXCAVATED HOLE AND 400MM TO EACH SIDE OF THE ROOT SYSTEM. BACKFILL PLANTING HOLES WITH EXISTING SITE SOIL AND TOPSOIL AS DESCRIBED IN SECTION 'SOIL', PLANT / TREE SHALL BE SET PLUMB, WITH THE ROOT BALL SET SLIGHTLY BELOW THE FINAL SOIL LEVEL.

#### MULCHING

NOTE

THE LANDSCAPE CONTRACTOR SHALL SUPPLY AND INSTALL 10MM PINE BARK MULCH TO ALL GARDEN BEDS SHOWN ON THE LANDSCAPE PLANS, TO A MINIMUM DEPTH OF 75MM. ALL MULCH IS TO BE FREE OF DELETERIOUS MATTER SUCH AS SOIL, WEEDS AND STICKS. MULCHED SURFACES ARE TO BE KEPT CLEAN AND TIDY AND FREE OF ANY DELETERIOUS MATERIAL AND FOREIGN MATTER. REINSTATE DEPTHS TO A UNIFORM LEVEL OF 75MM WITH MULCH AS SPECIFIED, MULCH TO BE FREE OF ANY WOOD MATERIAL IMPREGNATED WITH CCA OR SIMILAR TOXIC TREATMENT. MAINTAIN WATERING RINGS AROUND TREES. TOP UP MULCH LEVELS PRIOR TO HANDOVER TO CLIENT.

#### PEST AND DISEASE CONTROL

#### FREQUENCY: WEEKLY INSPECTION

#### FERTILISING

PELLETS SHALL BE IN THE FORM INTENDED TO UNIFORMLY RELEASE PLANT FOOD ELEMENTS FOR A PERIOD OF APPROXIMATELY NINE MONTHS EQUAL TO SHIRLEYS KOKEI PELLETS, ANALYSIS 6.3:1.8:2.9 OR SIMILAR APPROVED. KOKEI PELLETS SHALL BE PLACED AT THE TIME OF PLANTING TO THE BASE OF THE PLANT, 50MM MINIMUM FROM THE ROOT BALL AT A RATE OF TWO PELLETS PER 300MM OF TOP GROWTH TO A MAXIMUM OF 8 PELLETS PER TREE. GENERALLY CHECK FOR SIGNS OF NUTRIENT DEFICIENCIES (YELLOWING OF LEAVES, FAILURE TO THRIVE), AND ADAPT FERTILISER REGIME TO SUIT. FERTILISER SHOULD BE APPLIED AT THE BEGINNING AND THE END OF THE

### LANDSCAPE ARCHITECT **GROUND INK**

CLIENT

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05-JUN-24	20230213	GS	RL	LDA-10
PROJECT				
	VORTHS,		RAL SOUTH	
SCALE	TAVEINOE, AU	JINAL NO	VV, 2177	
1:20 @ A1				REV <b>J</b>
0 200 I I I I	400 600 <b>I I I</b>	800M		