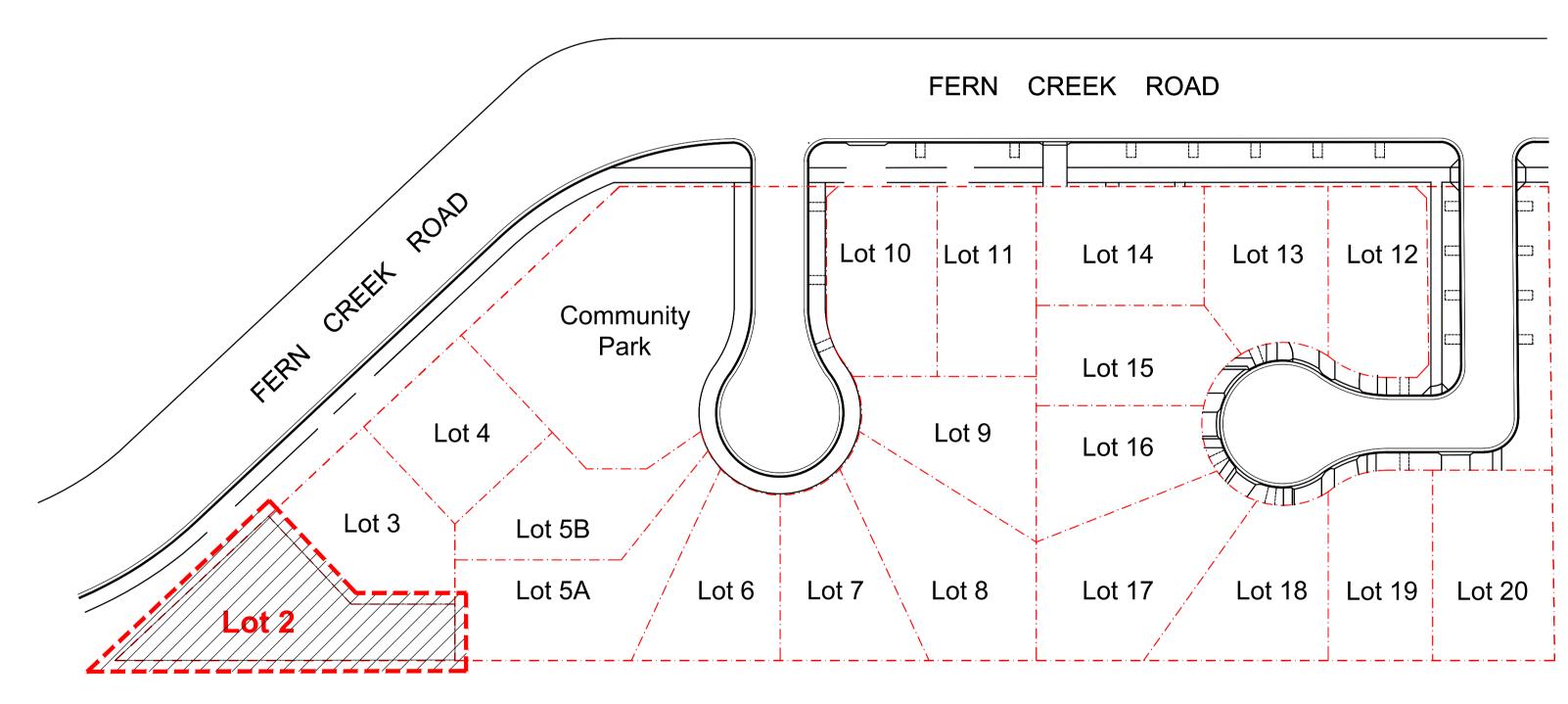
# Proposed Dwellings Lot 2, 10 Fern Creek Road Warriewood

## Landscape Development Application

## **DRAWINGS**

DWG NO.	DRAWING TITLE	SCALE
001	COVER SHEET	N/A
111 311	LANDSCAPE PLAN - Lot 2 LANDSCAPE PLANTING PLANTI	1:50 1:50
411 511	LANDSCAPE PLANTING PLAN - Lot 2 LANDSCAPE SPECIFICATION & DETAILS - Lot 2	1:50 AS SHOWN



Key Plan | 1:500

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The contractor shall check and verify all work on site (including work by to be reported to the Project Manager or Landscape Architect prior to commencing work. Do not scale this drawing. Any required dimensions not shown shall be referred to the Landscape Architect for confirmation.

others) before commencing the landscape installation. Any discrepancies are

Legend

Key Plan





SKYCORP AUSTRALIA

**Proposed Dwellings** 10 Fern Creek Road Warriewood

Landscape Coversheet - Lot 2

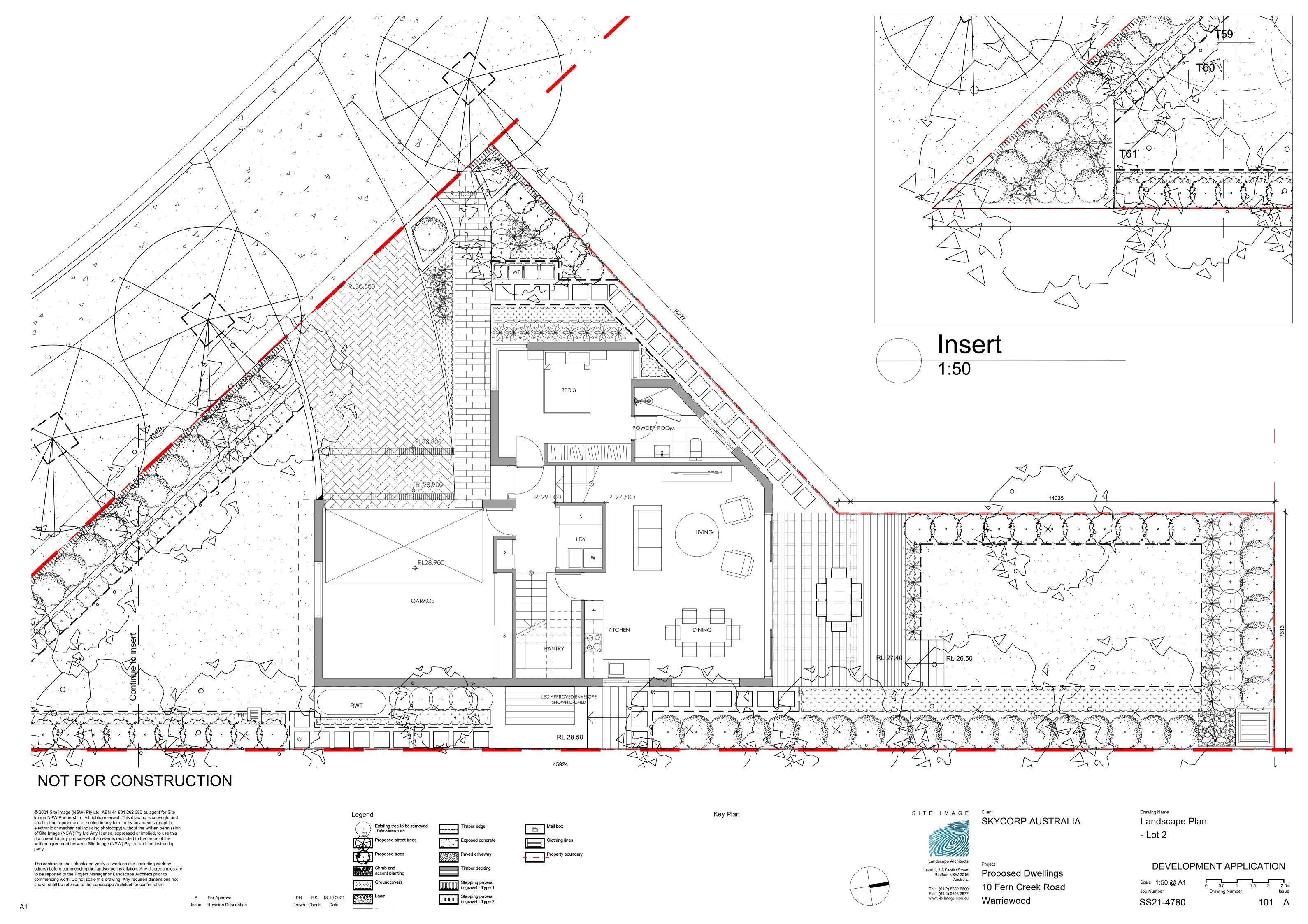
**DEVELOPMENT APPLICATION** 

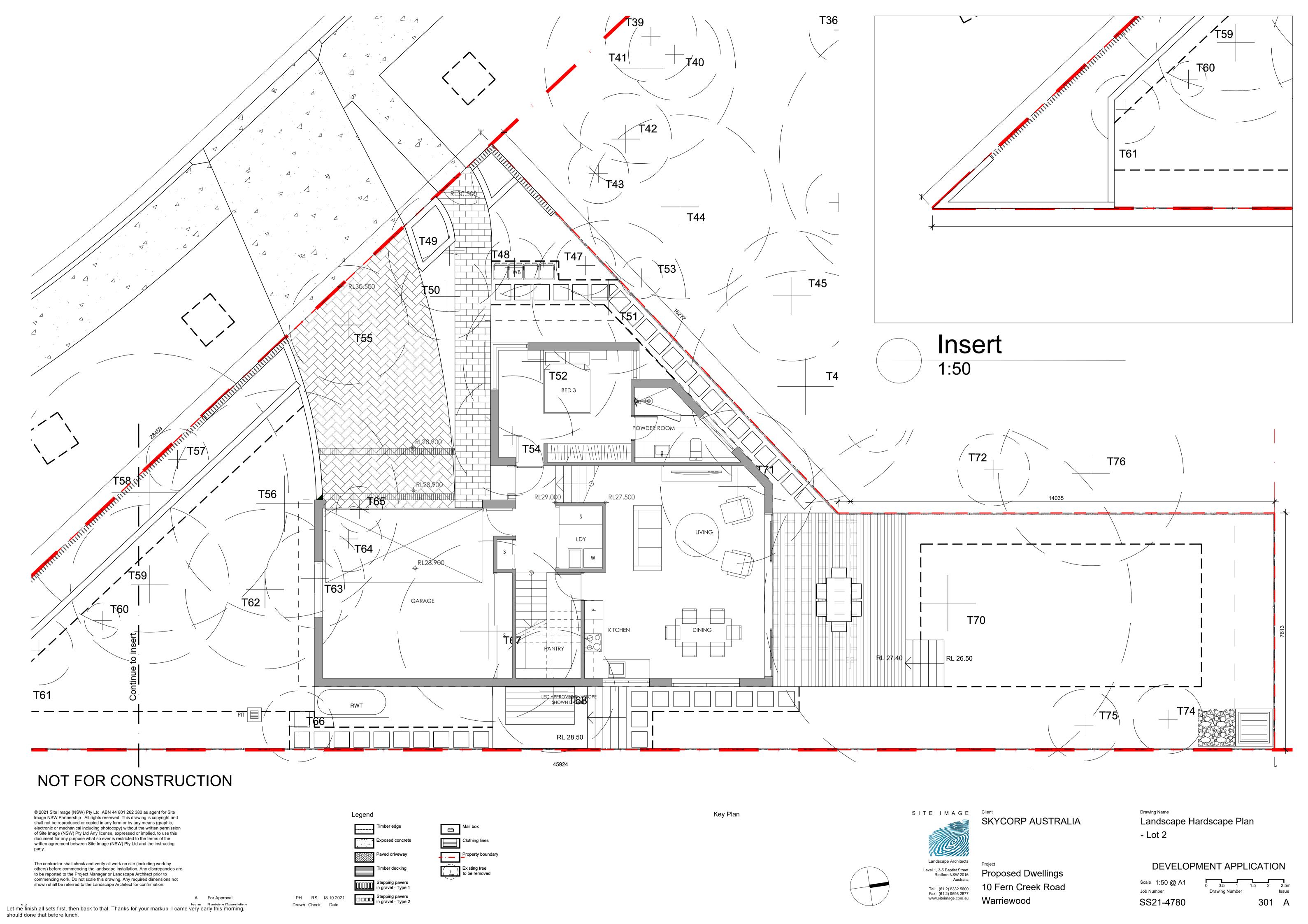
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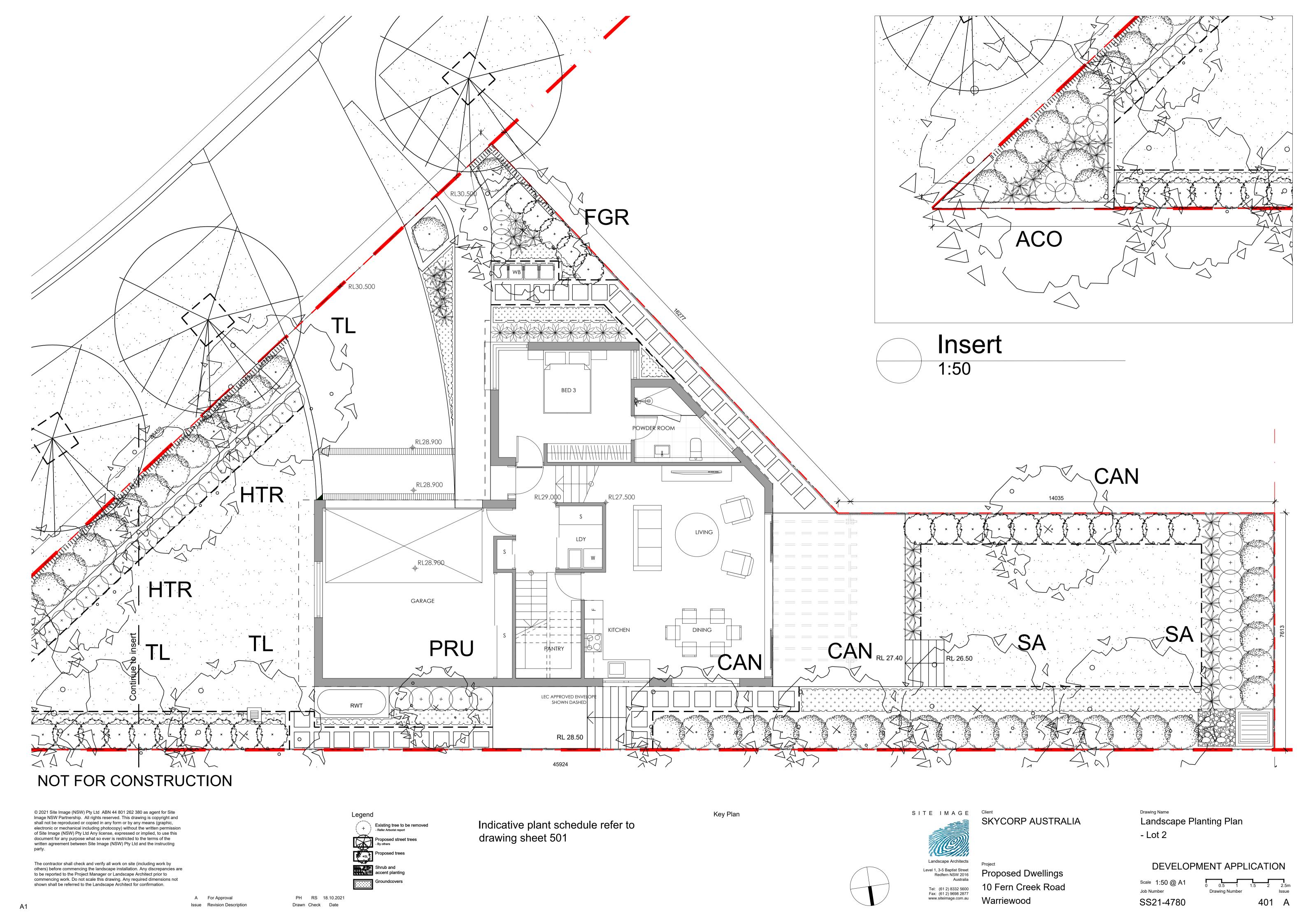
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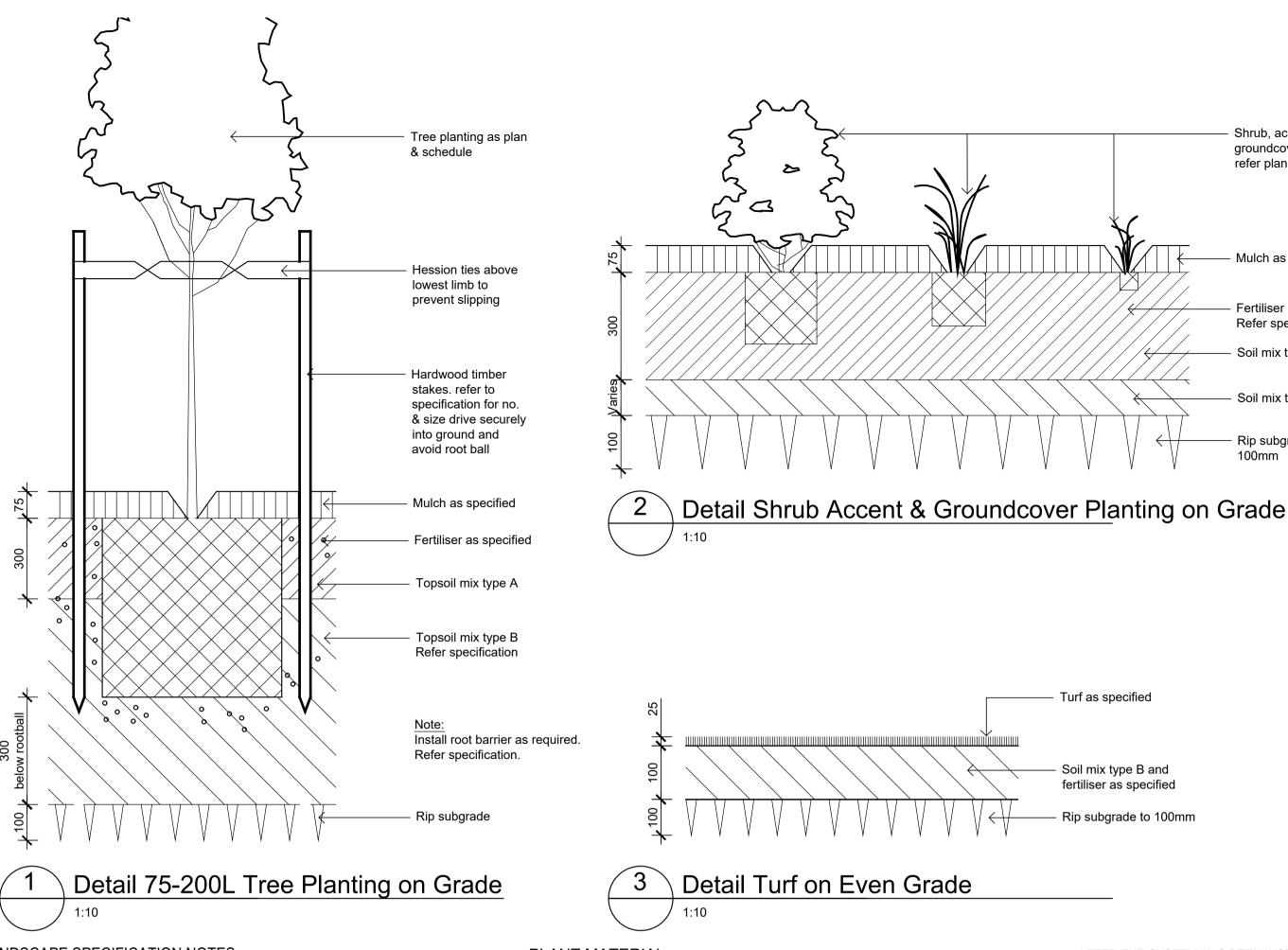
SS21-4780

PH RS 18.10.2021 A For Approval Issue Revision Description Drawn Check Date









#### LANDSCAPE SPECIFICATION NOTES

#### **GENERALLY**

THE CONTRACTOR SHALL PLACE ORDERS FOR THE DELIVERY OF ALL MATERIALS, SUPPLIES, ETC., IMMEDIATELY AFTER SIGNING THE CONTRACT AND ENSURE THE SUPPLIERS GUARANTEE DELIVERY AT ALL TIMES TO ACCORD WITH THE CONSTRUCTION PROGRAM.

#### SITE PREPARATION

ENSURE ALL PROVISIONS FOR LANDSCAPE TO BE PROVIDED BY THE BUILDER ARE COMPLETE AND ALL CONTRACTORS RUBBISH AND DEBRIS IS REMOVED;

## DRAINAGE CELL AND FILTER FABRIC

FOR ON-SLAB AREAS INSTALL AN APPROVED 'DRAINAGE CELL' PRODUCT TO COMPREHENSIVELY COVER THE BOTTOM OF ALL PLANTERS.

OVER DRAINAGE CELL TO ON-SLAB AREAS, A POLYFELT GEOTEXTILE LINING (AS SUPPLIED BY 'POLYFELT TS' OR APPROVED EQUIVALENT) IS TO BE INSTALLED TO COVER THE BOTTOM OF ALL PLANTERS, TURNED UP 300MM AND TAPED TO THE PLANTER SIDES TO ENSURE SOIL MIX DOES NOT ESCAPE INTO DRAINAGE OUTLETS/HOLES.

INSTALL MIN. 50MM COARSE RIVER SAND OVER ALL GEOTEXTILE LINING PRIOR TO INSTALLATION OF SOIL MIX.

## ABORIST MANAGEMENT OF TREE PROTECTION

A QUALIFIED AND APPROVED ABORIST IS TO BE CONTRACTED TO UNDERTAKE OR MANAGE THE INSTALLATION OF PROTECTIVE FENCING, AND TO UNDERTAKE SUCH MEASURES AS HE DEEMS APPROPRIATE TO PRESERVE THE SUBJECT TREES TO BE RETAINED. THE ARBORIST IS TO BE RETAINED FOR THE ENTIRE CONTRACT PERIOD TO UNDERTAKE ONGOING MANAGEMENT AND REVIEW OF THE TREES.

## IMPORTED SOIL MIX

IMPORTED LIGHTWEIGHT SOIL MIX FOR ON-SLAB AREAS AND POTS: LIGHTWEIGHT SOIL MIX SHALL BE COMPOSED OF THE FOLLOWING MATERIALS AND MIXED IN THE GIVEN PROPORTIONS TO PRODUCE A MATERIAL WITH A PH 6.0-6.5

## SOIL MIX PER CUBIC METRE SHALL CONSIST OF:

- 30% KENTHURST BLACK LOAM - 30% DOUBLE WASHED COARSE SAND
- 20% AUSTRALIAN PEAT
- 10% COMPOSTED BARK FINES - 10% COMPOSTED HARDWOOD DUST

## FERTILISER PER CUBIC METRE SHALL CONSIST OF

- 500GMS CALCIUM NITRATE - 500GMS POTASSIUM SULPHATE
- 750GMS SUPERPHOSHATE MICRO FINE
- 1 KG IBDU (NITROGEN SLOW RELEASE)
- 1 KG SLOW RELEASE NUTRICOTE

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#### PLANT MATERIAL

ALL PLANTS SHALL BE WELL GROWN, DISEASE FREE NURSERY STOCK, AND TRUE TO SPECIES TYPE. NO SPECIES SHALL BE SUBSTITUTED WITHOUT THE APPROVAL OF THE SUPERINTENDENT. NO VARIEGATED STRAIN SHALL BE USED UNLESS NOMINATED.

ALL PLANTS SHALL BE OF THE SIZE AND QUALITY CONSISTENT WITH THE NORMAL INDUSTRY EXPECTATION FOR THE NOMINATED CONTAINER SIZE. PLANTS NOT CONSISTENT WITH THE ABOVE MAY BE REJECTED WITH REPLACEMENT STOCK SUBJECT TO THE APPROVAL OF THE SUPERINTENDENT.

ALLOW TWO AGRIFORM SLOW RELEASE PELLETS PER 5-25 LITRE PLANT AND ONE PER 150MM PLANT. ALL FERTILISER IS TO BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

## MULCH

TO MASS PLANTING AREAS AND STREET TREES INSTALL 75MM THICKNESS OF GRADED PINE BARK AS SUPPLIED BY AUSTRALIAN NATIVE LANDSCAPES P/L OR APPROVED EQUIVALENT. ALL MULCH SHALL BE FREE OF VEGETATIVE REPRODUCTIVE PARTS OF

## IRRIGATION SYSTEM

SUPPLY AN AUTOMATIC WATERING SYSTEM USING 'TORO IRRIGATION SYSTEM' OR SIMILAR APPROVED, WITH MICRO-JET SPRINKLER HEADS AND LOW DENSITY, RUBBER MODIFIED POLYPROPYLENE RETICULATION, TO INCLUDE FILTERS, BENDS JUNCTIONS, ENDS AND OTHER ANCILLARY EQUIPMENT. THE LANDSCAPER SHALL NOMINATE HIS SOURCE OF SUPPLY FOR THE WATERING SYSTEM AND OBTAIN APPROVAL FROM THE SUPERINTENDENT BEFORE PLACING ORDERS FOR EQUIPMENT OR SUPPLY.

A SCHEMATIC PLAN OF THE PROPOSED IRRIGATION SYSTEM IS TO BE PREPARED BY THE CONTRACTOR, SHOWING SOLENOIDS, PIPE DIAMETERS, AND ALL NOZZLE AND TRICKLE ATTACHMENT TYPES (INCLUDING SPRAY/HEAD ANGLE), FOR REVIEW BY THE SUPERINTENDENT PRIOR TO INSTALLATION

THE CONTRACTOR IS TO LIASE WITH THE HYDRAULIC ENGINEER AND COUNCIL AS NECESSARY, TO ENSURE THE THE IRRIGATION SYSTEM CONFORMS WITH ALL THE COUNCIL AND WATER BOARD CODES AND REQUIREMENTS.

PROVIDE AN AUTOMATIC CONTROLLER THAT PROVIDES FOR TWO WEEK SCHEDULING AND HOURLY MULTI-CYCLE OPERATION. THE CONTROLLER SHALL MANUAL OVERRIDE. PROGRAMMING SHALL BE UNDERTAKEN BY THE CONTRACTOR WHO SHALL ADVISE ON THE OPERATION OF THE SYSTEM.

PROVISION OF SECURE HOUSING FOR THE AUTOMATIC IRRIGATION CONTROLLER TO BE LOCATED IN ASSOCIATION WITH THE LANDSCAPE CONTRACTOR AND LOCATION CONFIRMED BY THE SUPERINTENDENT. WIRING TO CONNECT REMOTE SOLENOID LOCATIONS IS TO BE PROVIDED. THE CONTROLLER SHALL BE LOCATED IN A DRY PLACE, PROTECTED FROM THE WEATHER, AND ALL CABLE CONNECTIONS SHALL BE MADE WITH WATERPROOF CONNECTORS.

## WATER SUPPLY POINTS TO BE SUPPLIED BY BUILDER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE AND GUARANTEE SATISFACTORY OPERATION OF THE IRRIGATION SYSTEM.

AFTER THE SYSTEM HAS BEEN INSTALLED TO THE SATISFACTION OF THE SUPERINTENDENT, THE INSTALLATION SHALL BE TESTED UNDER KNOWN WORKING CONDITIONS. ACCEPTANCE OF THE INSTALLED PLANT AND EQUIPMENT SHALL BE SUBJECT TO THESE BEING SATISFACTORY.

Shrub, accent &

groundcover planting

refer plan & schedule

Mulch as specified

Refer specification

- Soil mix type A

Soil mix type B

Rip subgrade to

Fertiliser

Compact soil around edge

strio following installation

Timber edge forming

Curved timber edge

**SCALE 1:10** 

**SCALE 1:10** 

sections to be cut to a

depth to allow for bending

curved edge to

planting bed

TIMBER EDGE - PLAN & SECTION

STEPPING PAVER IN DECOMPOSED GRANITE ON GRADE

#### STEPPING STONES

Turf as specified

Soil mix type B and fertiliser as specified

Rip subgrade to 100mm

PRE CAST CONCRETE STEPPING STONES SHALL BE INSTALLED ON CONSOLIDATED BLUE METAL SUB-BASE.

## TREATED PINE TIMBER EDGING

TIMBER EDGE: 100 X 25mm CCA TREATED RADIATA PINE

TIMBER STAKES: 50 X 50 X 500mm CCA TREATED RADIATA PINE-SHARPENED AT ONE

INSTALL IN LOCATIONS SHOWN ON THE DRAWINGS FLUSH TO FINISHED SURFACE LEVELS.

TURF ALL LANDSCAPE AREAS AS SHOWN ON THE LANDSCAPE DRAWINGS. TURF IS TO HAVE AN EVEN THICKNESS OF NOT LESS THAN 25mm. OBTAIN TURF FROM AN APPROVED GROWER. FURNISH A WARRANTY FROM THE GROWER THAT THE TURF IS FREE FROM WEEDS AND OTHER FOREIGN MATTER. DELIVER TURF TO THE SITE WITHIN 24 HOURS OF BEING CUT, AND LAY IT WITHIN 24 HOURS OF BEING DELIVERED.

TO PREPARE GRADED AREAS TO RECEIVE TURF, EXCAVATE THE AREA AND CULTIVATE SO AS TO ALLOW FOR IMPORTING OF 100mm OF TURF UNDERLAY SOIL. REMOVE ALL STONES OVER 50mm Ø AND REMOVE ALL WEEDS AND FOREIGN MATTER. SPREAD SOIL MIX A.B.S TO A DEPTH OF 100mm AND GRADE TO APPROPRIATE LEVELS TO ACHIEVE GENERAL EVEN GRADES TO DRAINAGE OUTLETS INSTALLED BY OTHERS.

LAY THE TURF ALONG THE LAND CONTOURS WITH STAGGERED, CLOSE BUTTED JOINTS, SO THAT THE FINISHED TURF SURFACE IS FLUSH WITH ADJACENT FINISHED SURFACES OF PAVING AND THE LIKE. AS SOON AS PRACTICABLE AFTER LAYING, ROLL THE TURF WITH A ROLLER WEIGHING NOT MORE THAN 90kg PER METRE OF WIDTH FOR SANDY OR LIGHT SOILS.

WATER AS NECESSARY TO KEEP THE SOIL MOIST TO A DEPTH OF 100MM. PROTECT NEWLY TURFED AREAS AGAINST TRAFFIC UNTIL GRASS IS ESTABLISHED. FERTILISE TWO WEEKS AFTER LAYING FERTILISE A.B.S

'TOP DRESS' THE TURF WHEN IT IS ESTABLISHED TO A DEPTH OF 10MM WITH COARSE WASHED RIVER SAND. RUB THE DRESSING WELL INTO THE JOINTS AND CORRECT ANY UNEVENNESS IN THE TURF SURFACES.

## MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN THE CONTRACT AREAS BY THE IMPLEMENTATION OF INDUSTRY ACCEPTED HORTICULTURAL PRACTICES, AS WELL AS RECTIFYING ANY DEFECTS THAT BECOME APPARENT IN THE WORKS UNDER NORMAL USE.

THE CONTRACTOR SHALL MAINTAIN THE WORKS AND MAKE GOOD ALL THE DEFECTS

LANDSCAPE MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: WATERING, ADJUSTMENT OF THE IRRIGATION SYSTEM, RUBBISH REMOVAL, REPLACING FAILED PLANTS, MAINTAINING MULCH, PRUNING, INSECT AND DISEASE CONTROL, AND CLEANING OF THE SURROUNDING AREA.

## **INDICATIVE PLANT SCHEDULE - Lot 2**

Stepping paver as specified

Decomposed granite paving

Base course to Engineer's

Refer specification

specification.

20mm mortar bed

Compacted sub-grade to Engineer's specification

Min 7 stakes to each edge with

extras as required to form curve

and keep timber upright

All junctions of timber edges shall be fixed with 2 closely spaced stakes

Hardwood timber edge as specified

Hardwood timber stakes 50 x 50 x 400mm

@ min 1200mm centres and recessed

15mm below FSL or timber edge

Refer plans for adjacent surfaces.

25mm x 100mm in long lengths

FERN C	REEK ROAD WARRIEWOOD INDIC		O BE LABELLE MATURE	PROPOSEI
CODE	BOTANIC NAME	COMMON NAME	SIZE (H x W) (m)	POT SIZE
Note: D	Detailed planting plans to ensure th	at 30% of plants are native sp	ecies	
C = Nor	thern Beaches Council recommend	led garden species / Site Spe	cific Trees	
TREES	AND PALMS			
Apa	Acer palmatum	Japanese Maple	4 x 4	45L
Aco	Angophora costata	Smooth Barked Apple	25 x 8	75L
Afl	Angophora floribunda	Rough Barked Apple	25 x 8	75L
Bci	Backhousia Citriodora	Lemon scented Myrtle	9 x 5	45L
BeB	Banksia ericifolia 'Burgandy'	Heath Banksia	5m	4m
CcA	Cercis chinensis 'Avondale'	Chinese Red Bud	5 x 4	100L
Cma	Corymbia citriodora	Lemon Scented Gum	20 x 8	75L
Can	Cupaniopsis anacardioides	Tuckeroo	7 x 5	100L
Eer	Eucalyptus robusta	Swamp Mahogany	25 x 8	75L
Ери	Eucalyptus punctata	Grey Gum	15 x 8	75L
Ери	Eucalyptus tereticornis	Forest Red Gum	15 x 8	75L
Fgr	Fraxinus griffithii	Evergreen Ash	7 x 4	75L
FR	Fraxinus 'Raywood'	Claret Ash	15 x 5	75L
HtR	Hibiscus tiliaceus 'Rubra'	Cotton Tree	7 x 5	75L
Hfl	Howea forsteriana	Kentia Palm	7 x 4	75L
Hfl	Hymenosporum flavum	Native Frangipani	6 x 5	75L
Lin	Lagerstroemia indica	Crepe Myrtle	6 x 3	75L
LS	Lagerstroemia 'Sioux'	Sioux Crepe Myrtle	4 x 3	75L
ML	Magnolia grandiflora 'Little Gem'	Dwarf Magnolia	5	75L
MLG	Magnolia Little Gem	Magnolia Little Gem	5 x 3	75L
Pru	Plumeria ruba	Red Fragapani	6	75L
Pro	Plumeria obtusa	White Fragapani	6	75L
Pe	Prunus elvins	Purple Plum	3 x 3	75L
PC	Pyrus 'Capital'	Capital Pyrus	10 x 3	75L
Sg	Syncarpia glomulifera	Turpentine	to 50m	75L
si	Syzgium luehmannii	Small-leafed Lillypilly	4-8x2-4	75L
Sa	Syzygium australe 'Pinnacle'	Brush Cherry	8 x 4	75L
Ss	Syzygium smithii	Lilly Pilly	8 x 4	75L
TI	Tristaniopsis laurina	Water Gum	10	75L
TL	Tristaniopsis 'Luscious'	Water Gum	9 x 7	75L
Wf	Waterhousia floribunda	Weeping Lily Pilly	15	75L
		J = , ,		
SHRUB	S			
Asm	Acmena smithii 'Minor'	Lilly Pilly	3 x 2	300mm
As	Acmena smithii var. minor	Dwarf Lilly Pilly	3 x 2	300mm
Bs	Banksia spinosa	Hairpin Banksia	1.5 x 1.0	300mm
Втј	Buxus microphylla japonica	Japanese box hedge	2.5 x 2	300mm
CW	Callistemon citrinus 'White Anzac'	Lemon Scented Bottlebrush	3 x 2	300mm
Cgu	Ceratopetulum gummifera	NSW Christmas Bush	5 x 2	300mm
Cte	Choisya ternata	Mexican Orange	2 x 2	300mm
Сри	Coleonema pulchrum	Pink Diosma	1.5 x 1.5	300mm
Cre	Coprosma repens	Mirror Bush	3 x 2	300mm
Cr	Cycas revoluta	Sago Palm	1 x 2	300mm
Ga	Gardenia augusta 'Florida'	Gardenia	1 X 1	300mm
GRG	Grevillea 'Robyn Gordon'	Grevillea	2 x 1.5	300mm
La	Lavandula	Lavender	1 x 1	300mm
LC	Loropetalum 'China Pink'	China Pink	1 x 1.5	300mm
Mn	Melaleuca nesophylla	Showy Honey Myrtle	3 x 2	300mm
MT	Metrosideros 'Tahiti'	NZ Xmas Bush	1 x 1	300mm
Мр	Murraya paniculata	Orange Jessamine	3 x 2	300mm

ODE	BOTANIC NAME	COMMON NAME	MATURE SIZE (H x W) (m)	PROPOSED POT SIZE
GS	Nandina 'Gulf Stream'	Nandina	0.7	300mm
X	Philodendron 'Xanadu'	Xanadu	1 x 1	300mm
RR	Photinia x fraseri 'Red Robin'	Photinia Red Robin	3 x 2	300mm
GP	Pittosporum 'Green Pillar'	Green Pillar	3 x 3	300mm
MM	Pittosporum tobira 'Miss Muffet'	Dwarf Pittosporum	1 x 1	300mm
OP	Rhaphiolepis 'Oriental Pearl'	Oriental Pearl	1 x 1	300mm
aS	Syzygium australe 'Select'	Lilly Pilly	3 x 2	300mm
aTT	Syzygium australe 'Tiny Trev'	Dwarf Lilly Pilly	0.7	300mm
C	Syzygium 'Cascade'	Weeping 'Cascade' Lilly Pilly	0.7	300mm
J	Tibouchina 'Jules'	Glory Bush	1m	300mm
Ξ	Viburnum 'Emerald Lustre'	Emerald Lustre	4 x 4	300mm
WG	Westringia 'Wynyabbie Gem'	Wynyabbie Rosemary	1	300mm
	PLANTS			
m	Alcantarea imperialis		1.5 x 1.5	300mm
C	Alpinia caerulea	Native Ginger	2	300mm
el	Aspidistra elatior	Cast Iron Plans	1	300mm
BS	Cordyline 'Burgundy Spire'		1 x 1	300mm
S	Cordyline stricta	Cordyline	3	300mm
)	Crinum pendunculatum	Swamp Lily	600mm	300mm
Э	Doryanthes excelsa	Gymea Lily	3	300mm
(	Philodendron 'Xanadu'		1 x 0.8	300mm
3 <i>B</i>	Phormium 'Bronze Baby'	Bronze NZ Flax	0.7	300mm
YW	Phormium 'Yellow Wave'	Yellow Wave NZ Flax	1	300mm
hu	Raphis humilis			300mm
е	Rhapis excelsa		1.5 x 1	300mm
e	Strelitzia reginae	Bird Of Paradise	1.2	300mm
u	Strelitzia juncea	Narrow Leaved Bird Of Parae	1.2	300mm
RASS	SES / GROUNDCOVERS / CLIMBERS			
)	Agapanthus orientalis	Agapanthus		140mm
<u>.</u> аи	Asplenium australasicum	Bird's Nest Fern	1	140mm
g	Carpobrotus glaucascens	Pig Face	0.2	140mm
m m	Clivea miniata	Kaffir Lily	0.45	140mm
<u>"</u> В	Dianella 'Breeze'	Breeze Flax Lily	0.7	140mm
g g	Dietes grandiflora	Wild Iris	0.7	140mm
s S	Gazania sp.	Gazania	0.7	140mm
	•			
h nPM	Gazania x hybrida	Gazania Prostrato Gravilla a	0.2	140mm
bRM_	Grevillea poorinda 'Royal Mantle'	Prostrate Grevillea	200mm	140mm
3	Hardenbergia 'Meema'	Golden Guinea Vine	0.3 x 2.5	140mm
SC	Hibbertia scandens	Knobby Club Rush	1 x 1.5	140mm
10 10	Jasminum polyanthum	Pink Jasmine	to 3m	140mm
R	Liriope muscari 'Just Right'	Turf Lily	0.5	140mm
	Lomandra longifolia	Mat Rush	1.5	140mm
	Lomandra longifolia 'Tanika'	Tanika Mat Rush	0.6 x 0.65	140mm
Υ	Myoporum 'Yareena'	Native Violet	0.15 x 1	140mm
a	Pandorea pandorana	Wonga Wonga Vine	to 6m	140mm
aPL	Pennisetum alpecuroides 'Purple Lea'	Purple Lea Swamp Foxtail	0.9 x 0.9	140mm
	Poa labillardieri	Tussock Grass	0.8 x 0.5m	140mm
	Scaevola aemula 'Mauve Clusters'	Purple Fan Flower	0.3	140mm
		Vanagras Cross	500mm	140mm
au	Themeda australis	Kangaroo Grass		
aM au a	Themeda australis Trachelospermum jasminoides Viola hederacea	Star Jasmine Native Voilet	0.3 0.2	140mm 140mm

Legend Key Plan

SITE IMAGE Client SKYCORP AUSTRALIA Landscape Specification / Details

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DEVELOPMENT APPLICATION

501 A

Scale As Shown

- Lot 2

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