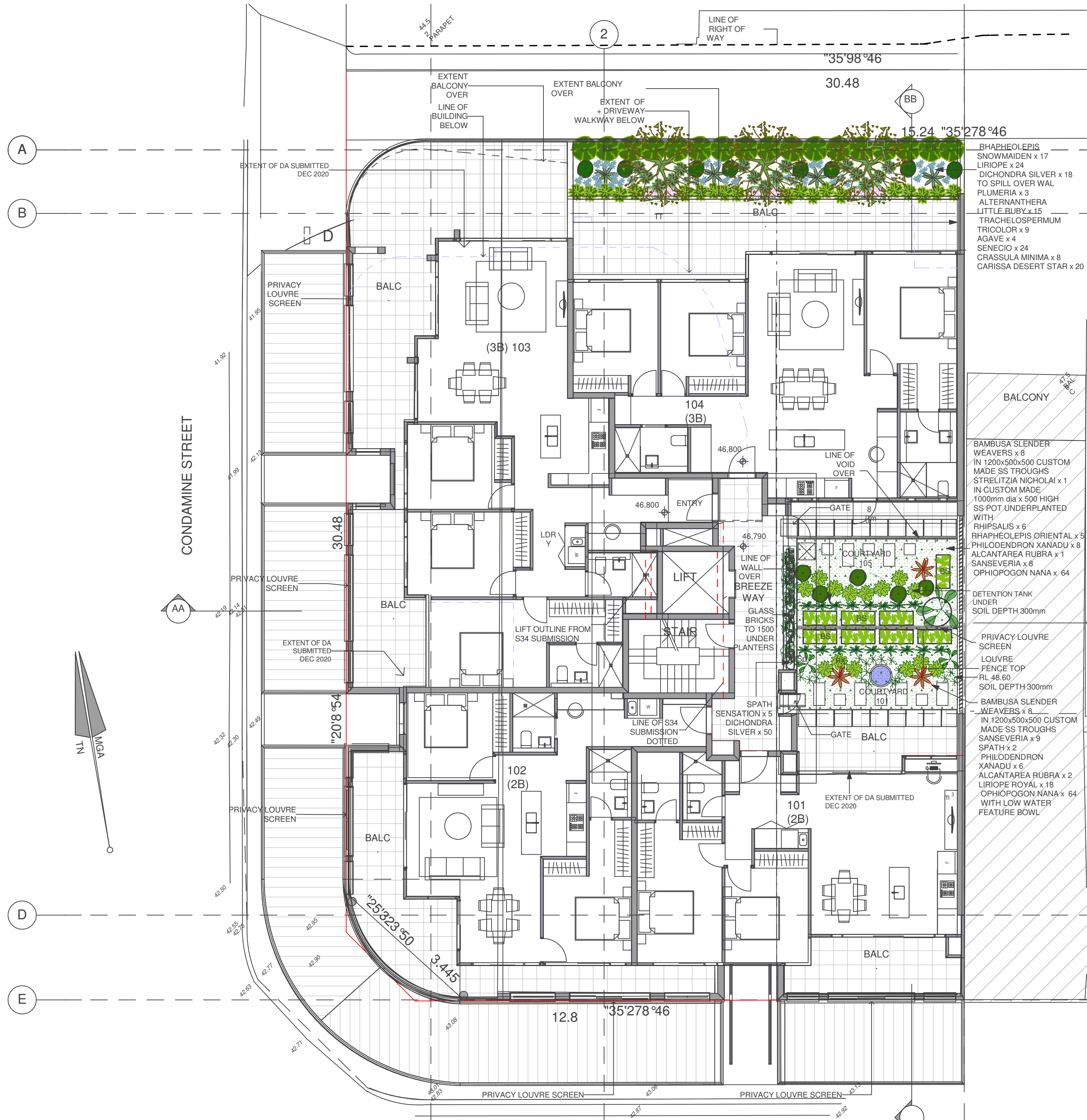


Trees in Planters - LEVEL 1 – 332-338 Sydney Rd BALGOWLAH – 10/02/22							
Plumeria rubra	PI	Frangipani 2 white & 1 pink	45lt	3	6m	3m	Exotic 2 drop
Shrubs in planters - LEVEL 1							
Agave Blue Glow	AB	Blue Glow Agave	300mm	4	0.6m	0.6m	Exotic 1 drop
Alcantarea imperialis 'Rubra'	AR	Imperial Bromeliad	300mm	3	1.2m	1.5m	Exotic 2 drop
Alternanthera 'Little Ruby'	AL	Little ruby	200mm	15	0.4m	.6-.9m	Exotic 2 drop
Bambusa textilis Gracillis	BS	Slender Weavers bamboo	300mm	16	6-8m	0.3m	Exotic 3 drop
Carissa "Desert Star"	CD	Natal Plum	300mm	20	1-2m	1-2m	Exotic 1 drop
Crassula ovata Minima	CM	Jade Plant	300mm	8	0.75m	0.5m	Exotic 1 drop
Philodendron 'Xanadu'	PX	Xanadu Philodendron	200mm	14	0.9m	1.2m	Exotic 3 drop
Raphiolepis Snow Maiden	RS	Indian Hawthorn	200mm	17	1.5m	0.5m	Exotic 1 drop
Raphiolepis Oriental Pearl	RO	Indian Hawthorn	300mm	5	1.0m	1.0m	Exotic 1 drop
Sansevieria trifasciata	St	Mother-In-Law's-Tongue	200mm	17	1.5m	0.5m	Exotic 1 drop
Spathiphyllum Sensation	Sp	Giant Peace Lily	300mm	7	1.2-1.8m	1.2m	Exotic 3 drop
Strelitzia nicholai	SN	Giant Bird of Paradise	300mm	1	10.0m	5.0m	Exotic 2 drop
Groundcovers & Grasses in planters – LEVEL 1							
Dichondra Silver Falls	DS	Silver Kidney Weed	100mm	68	0.1m	1.0m	Native 2 drop
Liriope muscari 'Royal Purple'	LR	Lily Turf	140mm	42	0.45m	0.45m	Exotic 2 drop
Ophiopogon japonicas 'Nana'	ON	Dwarf Mondo Grass	100mm	128	0.1m	0.1m	Exotic 2 drop
Rhipsalis sp	R	Mistletoe Cactus	140mm	6	0.3m	1.0m	Exotic 1 drop
Senecio mandraliscae	Sm	Blue Chalk sticks	100mm	24	0.25m	0.6m	Exotic 1 drop
T.jasminoides Tri Colour	TT	Variegated Star Jasmine	200mm @ 6/m <sup>2</sup>	9	0.3m	2.0mm	Exotic 2 drop



- RHAPHEOLEPIS SNOWMAIDEN x 17
  - LIRIOPE x 24
  - DICHONDRA SILVER x 18
  - TO SPILL OVER WAL
  - PLUMERIA x 3
  - ALTERNANTHERA LITTLE RUBY x 15
  - TRACHELOSPERMUM TRICOLOR x 9
  - AGAVE x 4
  - SENECIO x 24
  - CRASSULA MINIMA x 8
  - CARISSA DESERT STAR x 20
- 
- BAMBUSA SLENDER WEAVERS x 8
  - IN 1200x500x500 CUSTOM MADE SS TROUGHS
  - STRELITZIA NICHOLAI x 1
  - IN CUSTOM MADE 1000mm dia x 500 HIGH SS POT UNDERPLANTED WITH
  - RHIPHALIS x 6
  - RHAPHEOLEPIS ORIENTAL x 5
  - PHILODENDRON XANADU x 8
  - ALCANTAREA RUBRA x 1
  - SANSEVERIA x 8
  - OPHIPOGON NANA x 64
- 
- DETENTION TANK UNDER
  - SOIL DEPTH 300mm
- 
- PRIVACY LOUVRE SCREEN
  - LOUVRE FENCE TOP
  - RL 48.60
  - SOIL DEPTH 300mm
- 
- BAMBUSA SLENDER WEAVERS x 8
  - IN 1200x500x500 CUSTOM MADE SS TROUGHS
  - SANSEVERIA x 9
  - SPATH x 2
  - PHILODENDRON XANADU x 6
  - ALCANTAREA RUBRA x 2
  - LIRIOPE ROYAL x 18
  - OPHIPOGON NANA x 64
  - WITH LOW WATER FEATURE BOWL



Trees in Planters - LEVEL 4 - 332-338 Sydney Rd BALGOWLAH – 10/02/22							
Plumeria rubra	PI	Frangipani 2 white & 1 pink	45lt	2	6m	3m	Exotic 2 drop
Shrubs in Planters - LEVEL 4							
Agave Blue Glow	AB	Blue Glow Agave	300mm	1	0.6m	0.6m	Exotic 1 drop
Beschorneria yuccoides	By	Mexican Lily	300mm	10	1.0m	1.5m	Exotic 1 drop
Camelia sasanqua 'Star Above star'	Cs	Sasanqua Camelia	300mm	8	4m	1.0m	Exotic 2 drop
Carissa "Desert Star"	CD	Natal Plum	200mm	28	1-2m	1-2m	Exotic 1 drop
Crassula Blue Bird	CB	Blue Jade	300mm	22	0.9m	0.9m	Exotic 1 drop
Crassula Hummel's Sunset	CH	Hummels Sunset Jade	300mm	25	0.9m	0.6m	Exotic 1 drop
Doryanthes excelsa	Do	Gynea Lily	300mm	1	2.0m	2.0m	Native 1 drop
Echinopsis pachanoi	Ep	San Pedro Cactus	200mm	2	3.0m	1.0m	Exotic 1 drop
Rhapiolepis Oriental Pearl	RO	Indian Hawthorn	300mm	15	1.0m	1.0m	Exotic 1 drop
Zamia furfuracea	Zf	Cardboard Palm	300mm	7	1.0m	1.5m	Exotic 1 drop
Casuarina glauca 'Cousin it'	CC	Cousin it	200mm	20	0.15m	1.0m	Native 1 drop
Lomandra Tanika	LT	Tanika Lomandra	140mm	54	0.5m	0.6m	Native 1 drop
Pandorea pandorana	Pa	Wonga Wonga Vine	140mm	6		3.0m	Locally native
Groundcovers & Grasses in planters – LEVEL 4							
Dichondra Silver Falls	DS	Silver Kidney Weed	100mm	40	0.1m	1.0m	Native 2 drop
Juniperus taxifolia lutchuensis	Ju	Creeping Juniper	140mm	85	0.3m	3.0m	Exotic 1 drop
Myoporum parvifolium	My	Creeping Boobialla	100mm	95	0.2m	1.5m	Native 1 drop
Rosmarinus prostratus	Rp	Prostrate rosemary	200mm	49	0.5m	1.0m	Exotic 1 drop
Sedum mexicanum Gold Mound	SG	Gold Sedum	140mm	6	0.3m	0.3m	Exotic 1 drop
Senecio mandraliscae	Sm	Blue Chalk sticks	100mm	100	0.25m	0.6m	Exotic 1 drop



JUNIPERUS TAXIFOLIA LUTCHUENSIS



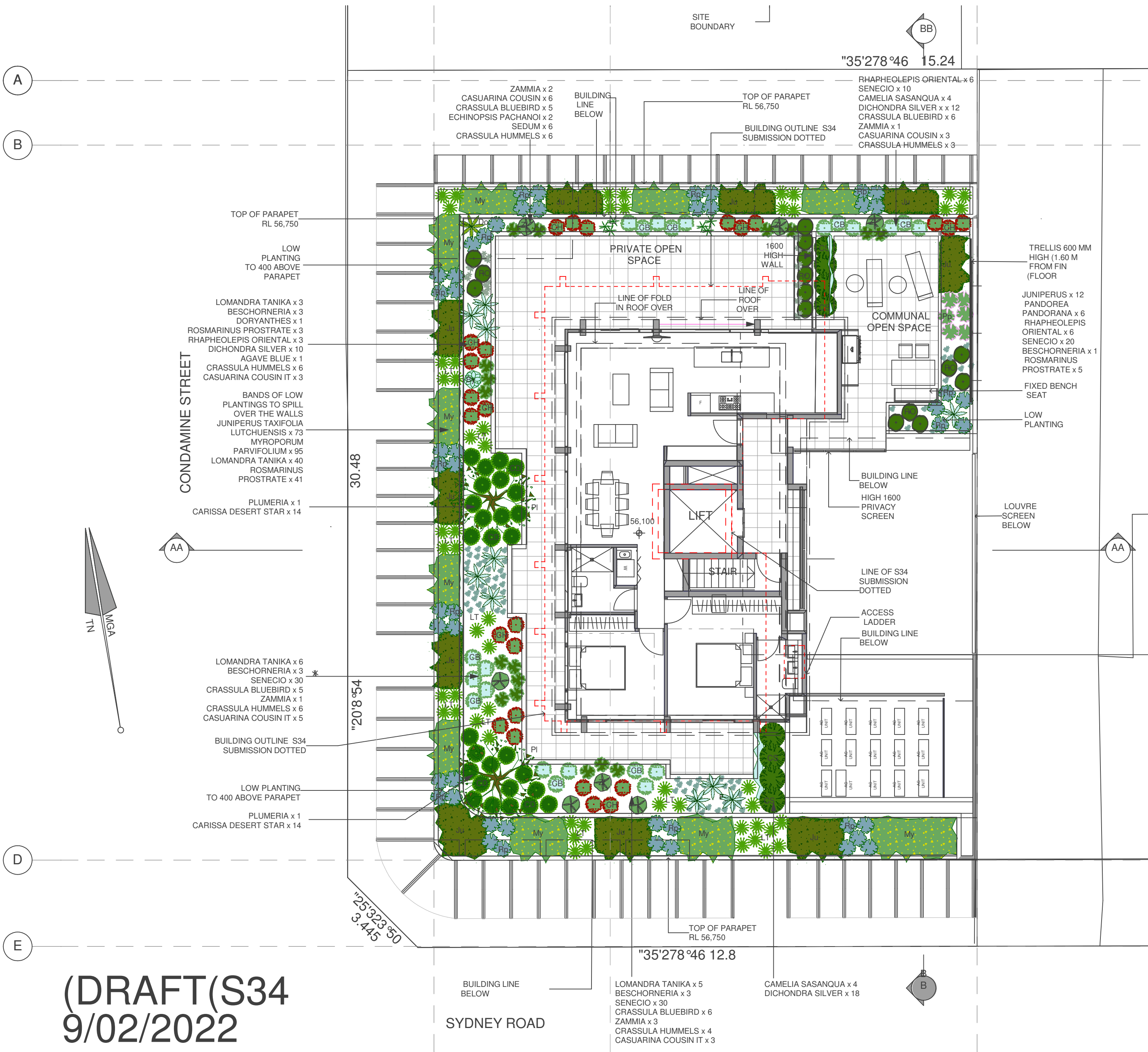
MYROPORUM PARVIFOLIUM



ROSMARINUS PROSTRATA



LOMANDRA TANIKA



(DRAFT(S34  
9/02/2022



janebritt**design**

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No332-338 SYDNEY RD BALGOWLAH

:project

LEVEL 4 LANDSCAPE PLAN  
AND PLANT SCHEDULE

:drawing

MAY 2020

:date

1:100  
at A2

:scale

Amendments

A. Preliminary Issue 18/05/20

B. Revised Issue for DA 12/11/20

C. Revised issue to reflect architectural changes 10/02/22

DAL02C



SPECIFICATION NOTES

SITE PREPARATION/SOIL WORKS

ALL EXISTING TREES MARKED FOR RETENTION SHALL BE PROTECTED FOR THE DURATION OF THE BUILDING WORKS. REMOVE FROM SITE ALL PERENNIAL WEEDS SUCH AS OXALUS, ONION WEED AND THE LIKE.

NO REGRADING IS TO BE CARRIED OUT WITHIN THE DRIPLINE OF THE TREES TO BE RETAINED. WHERE EXCAVATION IS NECESSARY USE HAND METHODS TO AVOID DAMAGE TO THE ROOT SYSTEM. DO NOT CUT ROOTS GREATER THAN 50MM. CUT ROOTS CLEANLY WITH A SAW AND DO NOT SEAL THE WOUND.

TREE PROTECTION

PROTECT ALL EXISTING TREES AS NOTED ON THE DRAWINGS FOR THE DURATION OF THE BUILDING WORKS.

TAKE ALL NECESSARY PRECAUTIONS, INCLUDING THE FOLLOWING:

TREE PROTECTION FENCE:

INSTALL A TREE PROTECTION FENCE SYSTEM AT THE MAXIMUM RADIUS ALLOWABLE TO ACCOMMODATE THE PROPOSED DEVELOPMENT. MAINTAIN THE FENCE FOR THE DURATION OF THE BUILDING WORKS.

CONSTRUCT THE FENCE 1.8M HIGH WITH CHAINWIRE MESH ON STEEL POSTS. ALL AREAS WITHIN THE PERIMETER OF THE FENCE ARE TO BE COVERED TO A DEPTH OF 100MM WITH WOODCHIP MULCH.

TEMPORARY IRRIGATION:

INSTALL A TEMPORARY IRRIGATION SYSTEM TO ALL TREES TO BE RETAINED. INSTALL DRIP EMITTERS ON POLY LATERALS. THE IRRIGATION SYSTEM IS TO BE CONTROLLED BY A GALCON OR SIMILAR AUTOMATIC CONTROLLER.

HARMFUL MATERIALS:

DO NOT STORE, STOCKPILE, DUMP OR OTHERWISE REPLACE UNDER OR NEAR TREES, BULK MATERIALS AND HARMFUL MATERIALS INCLUDING OIL, PAINT, WASTE CONCRETE, CLEARINGS, BOULDERS AND THE LIKE. DO NOT PLACE SOIL FROM EXCAVATIONS AGAINST TREE TRUNKS, EVEN FOR SHORT PERIODS, PREVENT WIND-BLOWN MATERIALS SUCH AS CEMENT FROM HARMING TREES AND PLANTS.

DAMAGE:

PREVENT DAMAGE TO TREE BARK. DO NOT ATTACH STAYS, GUYS AND THE LIKE TO TREES.

WORK UNDER TREES:

DO NOT REMOVE TOPSOIL FROM WITHIN THE DRIP LINE OF TREES UNLESS OTHERWISE SPECIFIED. IF IT IS NECESSARY TO EXCAVATE WITHIN THE DRIP LINE, USE HAND METHODS SUCH THAT ROOT SYSTEMS ARE PRESERVED INTACT AND UNDATED.

ROOTS:

DO NOT CUT TREE ROOTS EXCEEDING 50MM DIAMETER UNLESS PERMITTED BY THE SUPERINTENDENT. WHERE IT IS NECESSARY TO CUT TREE ROOTS, USE A CHAIN SAW OR SIMILAR MEANS SUCH THAT THE CUTTING DOES NOT UNDULY DISTURB OR ROCK THE REMAINING ROOT SYSTEM. IMMEDIATELY AFTER CUTTING, APPLY AN APPROVED BITUMINOUS FUNGICIDAL SEALANT TO THE CUT SURFACE TO PREVENT THE INCURSION OF ROT OR DISEASE.

COMPACTED GROUND:

AVOID COMPACTION OF THE GROUND UNDER TREES. IF THE GROUND UNDER TREES HAS BEEN UNDULY COMPACTED DURING THE WORK UNDER THE CONTRACT, FOR EXAMPLE BY THE OPERATION OF HEAVY CONSTRUCTIONAL PLANT, LOOSEN THE SOIL BY CORING.

SOIL WORKS

THOROUGHLY CULTIVATE THE SUBSOIL TO A DEPTH OF 150MM. SUPPLY AND INSTALL TO A DEPTH OF 300MM THE FOLLOWING SOIL MIX:

SOIL DEPTH	
TURF	100MM
PLANTING	300MM
SOIL MIX	
BLACK LOAM	60%
COARSE WASHED RIVER SAND	40%
ORGANIC LAYER 50MM DEEP	
CULTIVATE A 50MM LAYER OF ORGANIC ADDMIX INTO THE TOP 100MM OF SOIL MIX.	
ADDMIX COMPOSITION	
TREATED HARDWOOD SAWDUST	30%
PINE PARK FINES	40%
COMPOSTED MANURE	30%

SUBMISSIONS

SOIL: TESTS FOR IMPORTED SOIL WITH CERTIFICATE NOTING SUITABILITY OF EACH SOIL TYPE FOR ITS SPECIFIED USE, SIMILARITY TO NATURALLY OCCURRING LOCAL SOIL, SUITABILITY TO ESTABLISHMENT, AND ON-GOING VIABILITY OF THE SITE SPECIFIED VEGETATION AND ABSENCE OF ANY WEED PROPAGULES OR CONTAMINANTS.

SAMPLES: SUBMIT REPRESENTATIVE SAMPLES OF EACH MATERIAL PACKED TO PREVENT CONTAMINATION AND LABELLED TO INDICATE SOURCE AND CONTENT. SAMPLES TO REMAIN ON SITE FOR THE DURATION OF THE CONSTRUCTION WORKS

TREE PLANTING AREAS TO BE MOUNDED 300MM ABOVE THE EXISTING GROUND LINE TO IMPROVE DRAINAGE FROM PLANTING HOLES. TREE HOLES TO BE EXCAVATED TWO TIMES LARGER THANK THE ROOTBALL AND BACKFILLED WITH SOIL MIX AS SPECIFIED ABOVE.

MULCH

SUPPLY AND PLACE 75MM LAYER OF HARDWOOD HORTICULTURAL GRADE MULCH, (GRADED IN SIZE 15MM x 15MM x 15MM, FREE FROM WOOD SLIVERS). SET DOWN 25MM FROM ADJACENT PAVING.

GRAVEL MULCH:

WHERE DETAILED SUPPLY AND PLACE 20MM ROUNDED WASHED NEPEAN RIVER GRAVEL TO A DEPTH OF 75MM.

ON SLAB PLANTERS

DRAINAGE LAYER

AFTER WATERPROOFING OF PLANTERS (BY OTHERS) LAY DRAINAGE LAYER WHICH SHALL INCLUDE:

- 40MM ATLANTIS DRAINAGE CELL OR SIMILAR APPROVED
- FILTER FABRIC EQUIVALENT TO BIDIM A34 GEOFABRIC (2mm THICK NON WOVEN, NEEDLE PUNCHED CONTINUOUS FILAMENT) OR EQUAL
- 60mm DEPTH OF HYDROCELL RG30 OR WASHED RIVER SAND LAYER 50-100MM IN DEPTH IF WEIGHT AND SOIL DEPTH IS NOT AN ISSUE

LIGHT WEIGHT SOIL MIX

HYDROCELL 40 PODIUM MEDIA MIX – A PROPRIETARY COMBINATION OF SCORIA IN TWO SIZE GRADES COMPOSTED PINE BARK AND HYDROCELL FLAKES CREATING A LIGHTWEIGHT NON HYDROPHOBIC LOW ORGANIC CONTENT MEDIA THAT IS STABLE OVER TIME.

ALTERNATIVELY A LIGHT WEIGHT SOIL MIX COULD BE USED AND SHALL BE COMPOSED OF THE FOLLOWING MATERIALS AND MIXED IN THE GIVEN PROPORTIONS TO PRODUCE A MATERIAL WITH A pH range of 6.0-6.5. INSTALL IN 100mm LAYERS AND LIGHTLY COMPACT BETWEEN LAYERS TO MAKE UP PROVIDED DEPTHS ALLOWABLE. THIS WILL SLUMP OVER TIME

- 30% BLACK LOAM
- 30% DOUBLE WASHED COARSE RIVER SAND
- 20% BOTANY HUMUS
- 10% COMPOSTED BARK FINES
- 10% COMPOSTED HARDWOOD SAWDUST

TURFED AREAS

APPLY SHIRLEYS NO17 LAWN FERTILISER TO SOIL IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. TURF SHALL BE:

- SOFT LEAFED BUFFALO WITH AN EVEN THICKNESS OF 30MM

DO NOT LET TURF DRY OUT. LIGHTLY TOP DRESS TURF SIX WEEKS AFTER LAYING WITH 10MM IMPORTED TOPSOIL. TURF IS TO BE LAID WITH STAGGERED JOINTS, FLUSH WITH PATHWAY LEVELS.

BRICK EDGE

ALL MASS PLANTED AREAS WHERE THEY ABUT GRASSED AREAS SHALL HAVE A BRICK EDGE UNLESS OTHERWISE STATED ON PLANS. MATCH BRICK TYPE TO THAT OF FACE BRICK USED ON BUILDING. IF NO FACE BRICK HAS BEEN USED, INSTALL BOWRAL BLUE FACE BRICK SET ON FLAT OVER MORTAR HAUNCH. ENSURE SMOOTH FINISH WHERE JOINING HARD SURFACES UNLESS NOTED OTHERWISE ON DRAWINGS.

PLANT MATERIALS

ALL PLANTS SHALL BE TRUE TO TYPE, OF HEALTHY GROWTH DISEASE FREE NURSERY STOCK AND NOT DISPLAYING RESTRICTED GROWTH PATTERNS. SHOULD THERE BE A REQUIREMENT FOR SUBSTITUTIONS THEY SHALL NOT BE CHANGED WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. NO VARIEGATED CULTIVAR SHALL BE USED. ALLOW FOR SLOW RELEASE FERTILISER TO ALL PLANTS APPLIED AT THE MANUFACTURERS

RECOMMENDED RATE TO BE SAME OR SIMILAR TO OSMOCOTE.

ALL TREE STOCK IS TO MEET REQUIREMENTS OF AS2303:2018 AND THE NATSPEC TREE SPECIFICATION GUIDE

FERTILIZER

MASS PLANTED AREAS: ALLOW TWO SHIRLEYS SLOW RELEASE KOKEI PELLETS PER 5-35 LITRE PLANT AND ONE PER 150MM PLANT TURF AREAS. ALLOW SHIRLEYS NO17 LAWN FERTILIZER OR EQUIVALENT APPLIED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

STAKES AND TIES

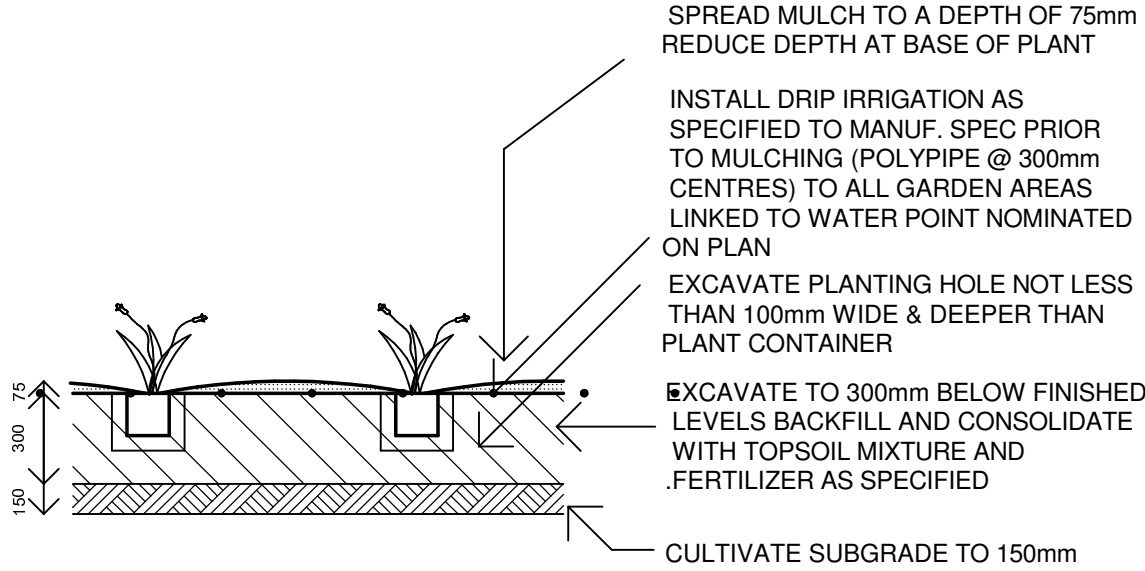
DURABLE HARDWOOD, STRAIGHT, SIZE SHALL BE 50x50x1800 WITH TIES SPACED APPROXIMATELY 300MM APART. DRIVE STAKES 600MM INTO THE GROUND ON THE WINDWARD SIDE OF THE PLANT. TIES SHALL BE 50MM HESSIAN WEBBING FIXED IN A FIGURE OF EIGHT PATTERN.

PLANT ESTABLISHMENT PERIOD

FROM THE DATE OF PRACTICAL COMPLETION, THERE SHALL BE A PERIOD OF 52 WEEKS FOR THE PLANTING ESTABLISHMENT PERIOD. ANY FAILED PLANTS SHALL BE REPLACED WITH THE SAME TYPE AND SPECIES, THE MULCHED SURFACES SHALL BE MAINTAINED IN A NEAT AND TIDY CONDITION. STAKES AND TIES SHALL BE ADJUSTED AS REQUIRED AND THE TURF SHALL BE REGULARLY MOWED TO MAINTAIN A HEALTHY GROUND COVER. A CONSTANT WATER REGIME SHALL BE MAINTAINED TO ENSURE HEALTHY GROWTH OF ALL PLANT MATERIAL.

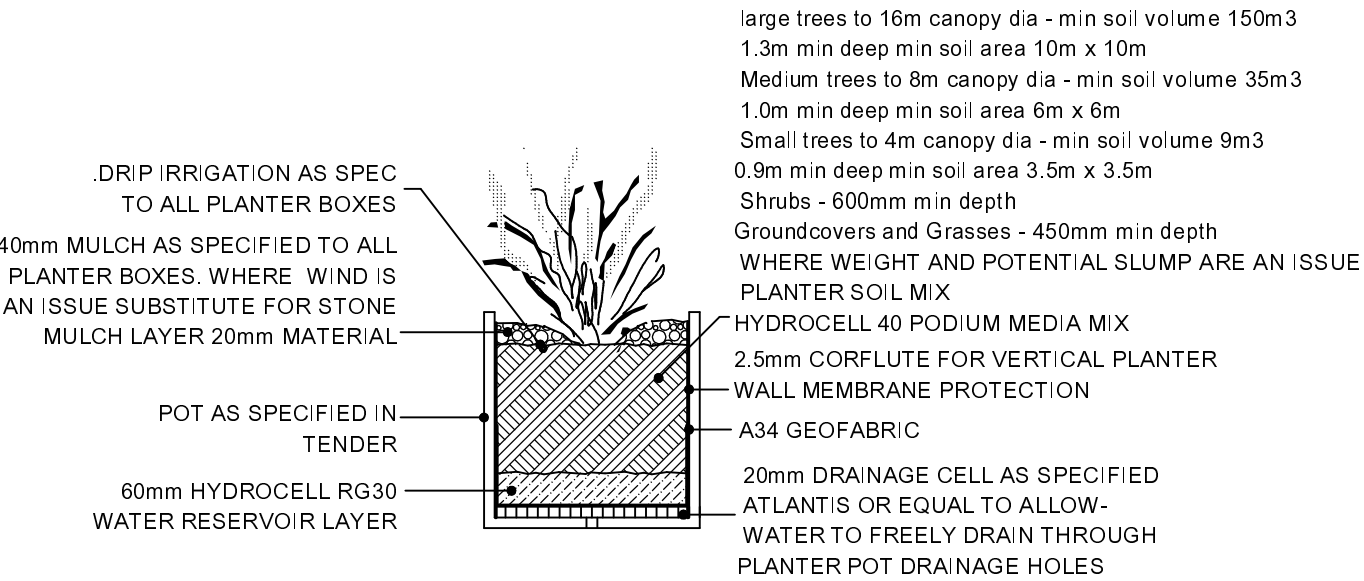
IRRIGATION

ALL PLANTING AREAS ARE TO BE SUPPLIED WITH A FULLY AUTOMATIC DRIP IRRIGATION SYSTEM EQUIVALENT TO A 'NETAIRM'. THE IRRIGATION SYSTEM SHALL MEET ALL THE REQUIREMENTS OF THE WATER AND ELECTRICITY SUPPLY AUTHORITY AND RELEVANT AUSTRALIAN STANDARDS. PROVIDE RICHDEL OR SIMILAR APPROVED CONTROLLER. THE CONNECTION TO SYDNEY WATER MAINS IS TO BE THROUGH AN APPROVED REDUCED PRESSURE ZONE DEVICE INSTALLED TO WATER REGULATIONS.



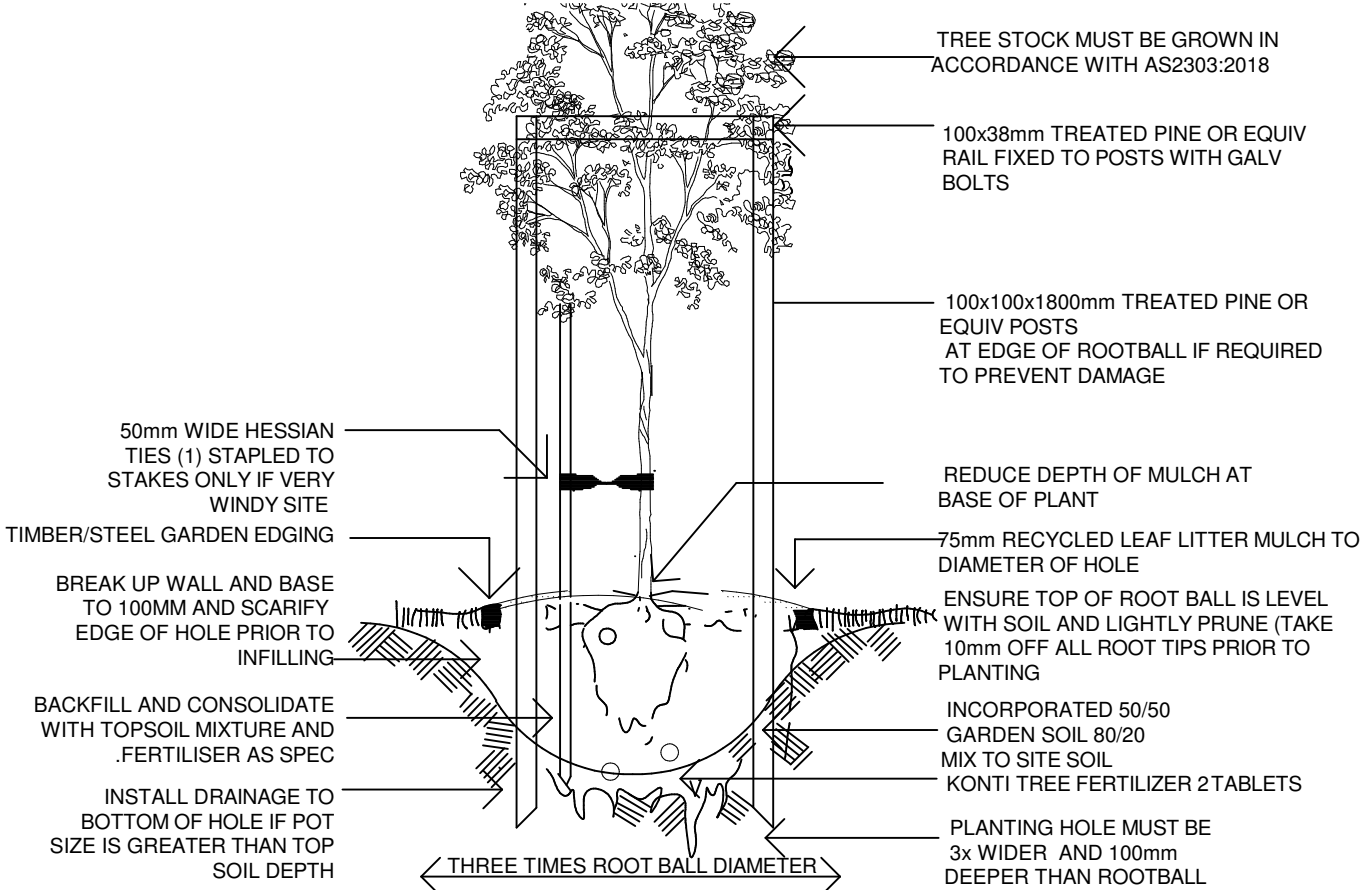
MASS PLANTING DETAIL

N.T.S



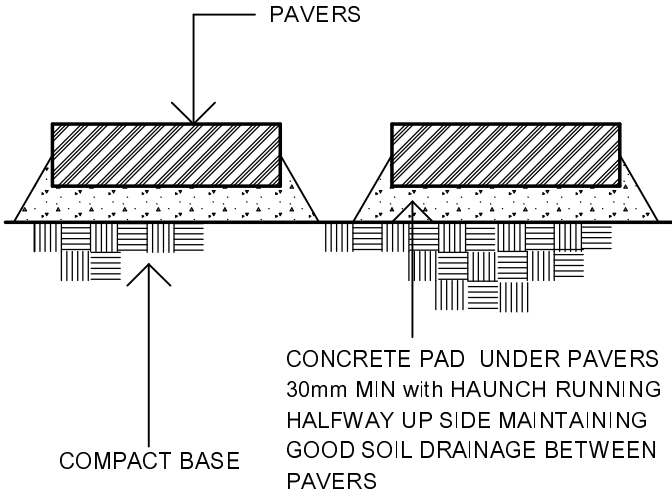
POT DETAIL FOR TERRACES WITH WEIGHT ISSUES

N.T.S



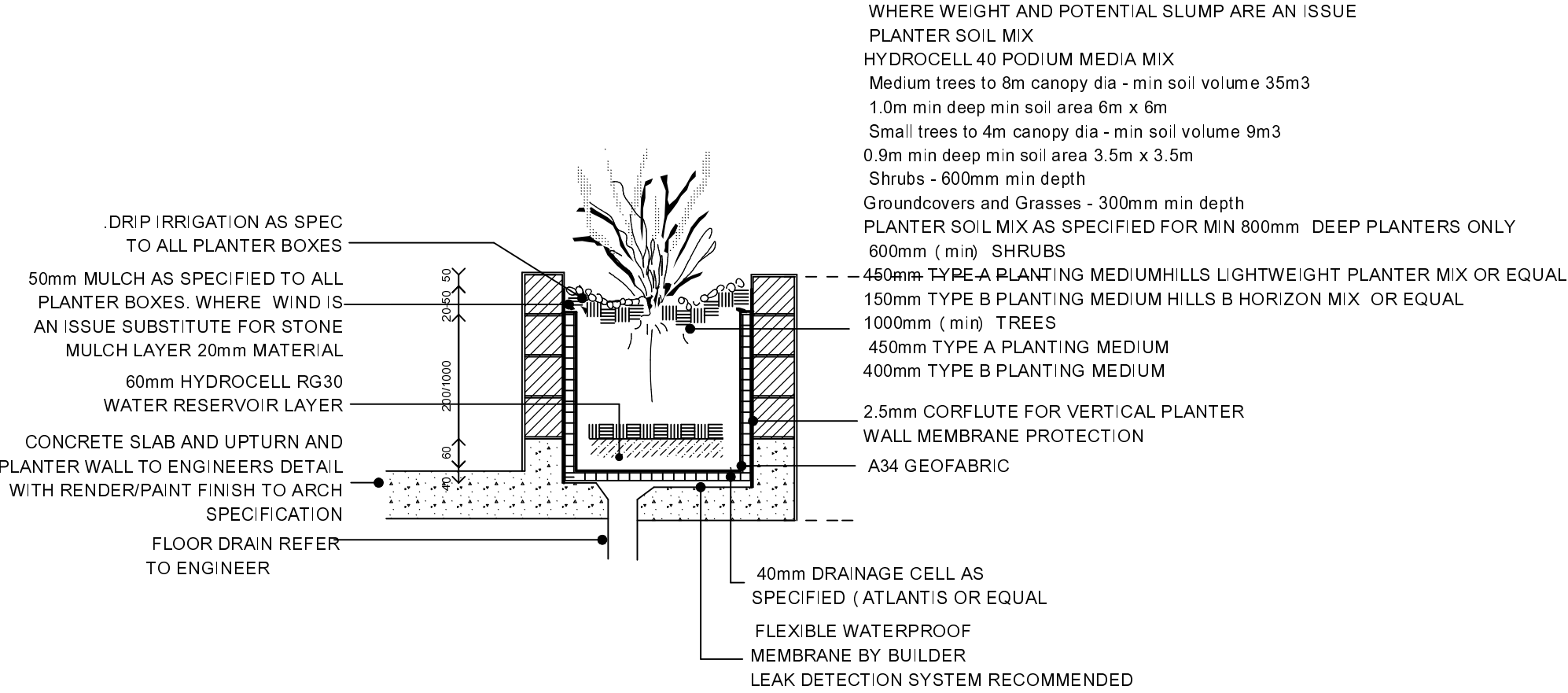
TREE PLANTING DETAIL

N.T.S



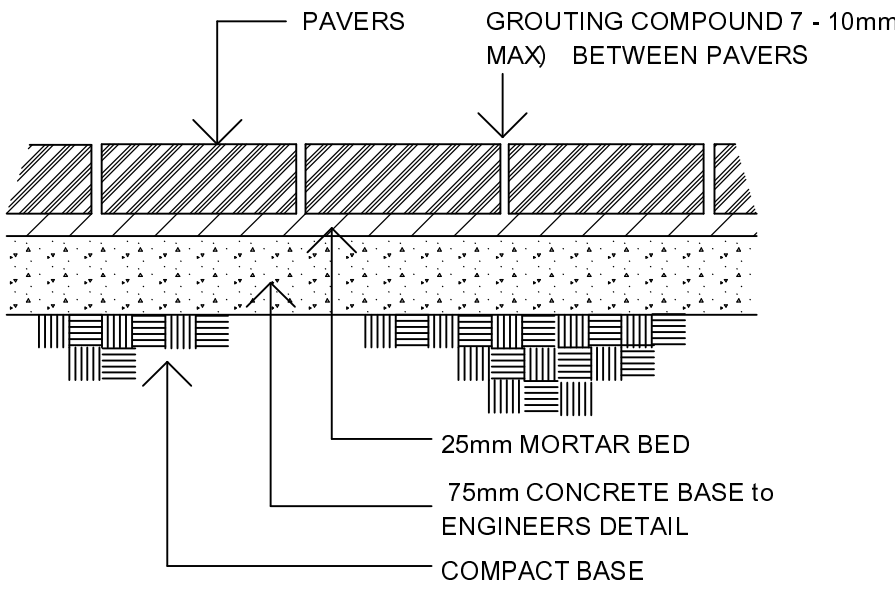
PAVING STEPS DETAIL

N.T.S



PLANTER BOX

N.T.S



PAVING DETAIL

N.T.S



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No332-338 SYDNEY RD BALGOWLAH

:project

SPECIFICATIONS AND DETAILS

:drawing

MAY 2020

:date

NTS

:scale

Amendments

A. Preliminary Issue 18/05/20

B. Revised issue for DA 12/11/20

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DAL03C