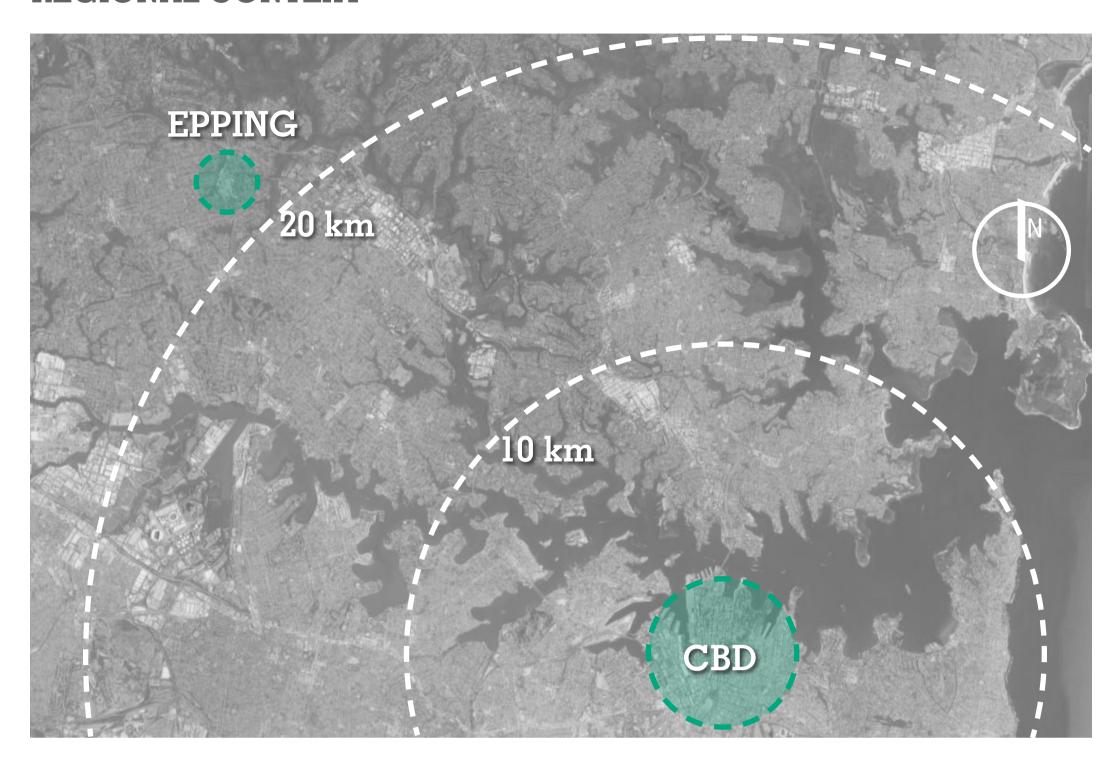
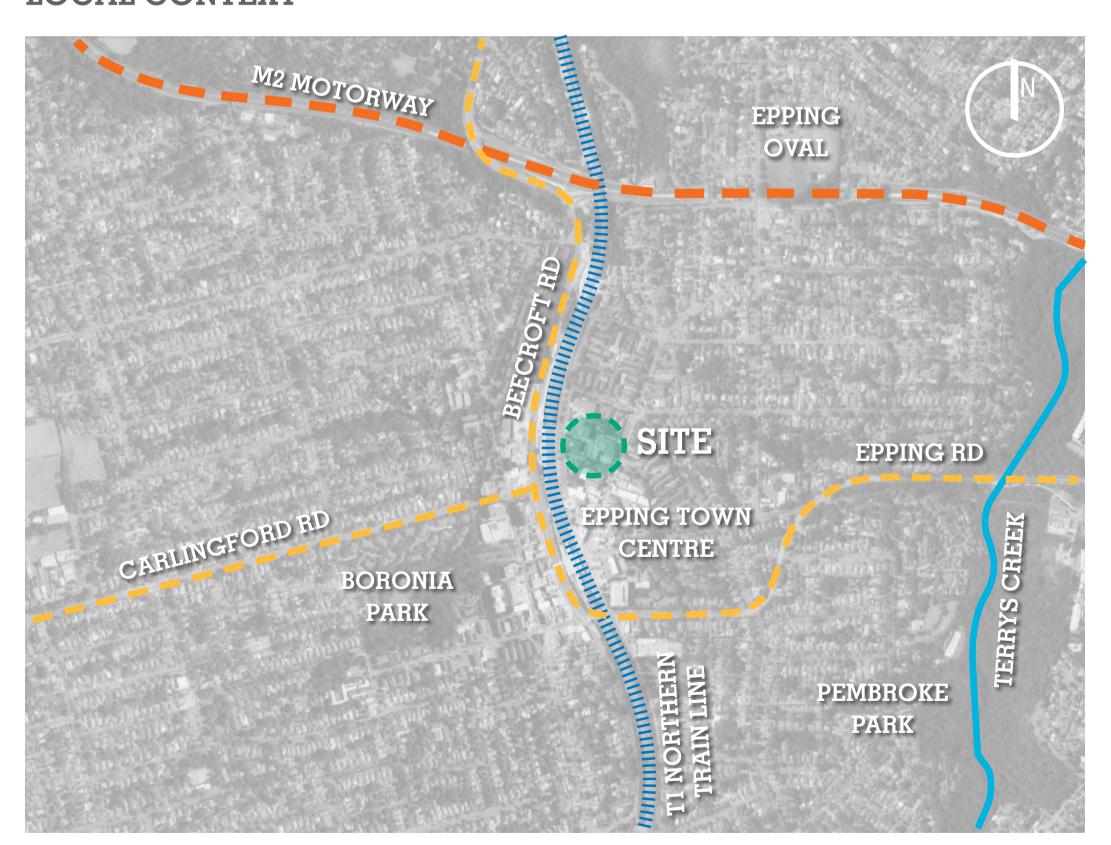


SITE!/CONTEXT + ANALYSIS

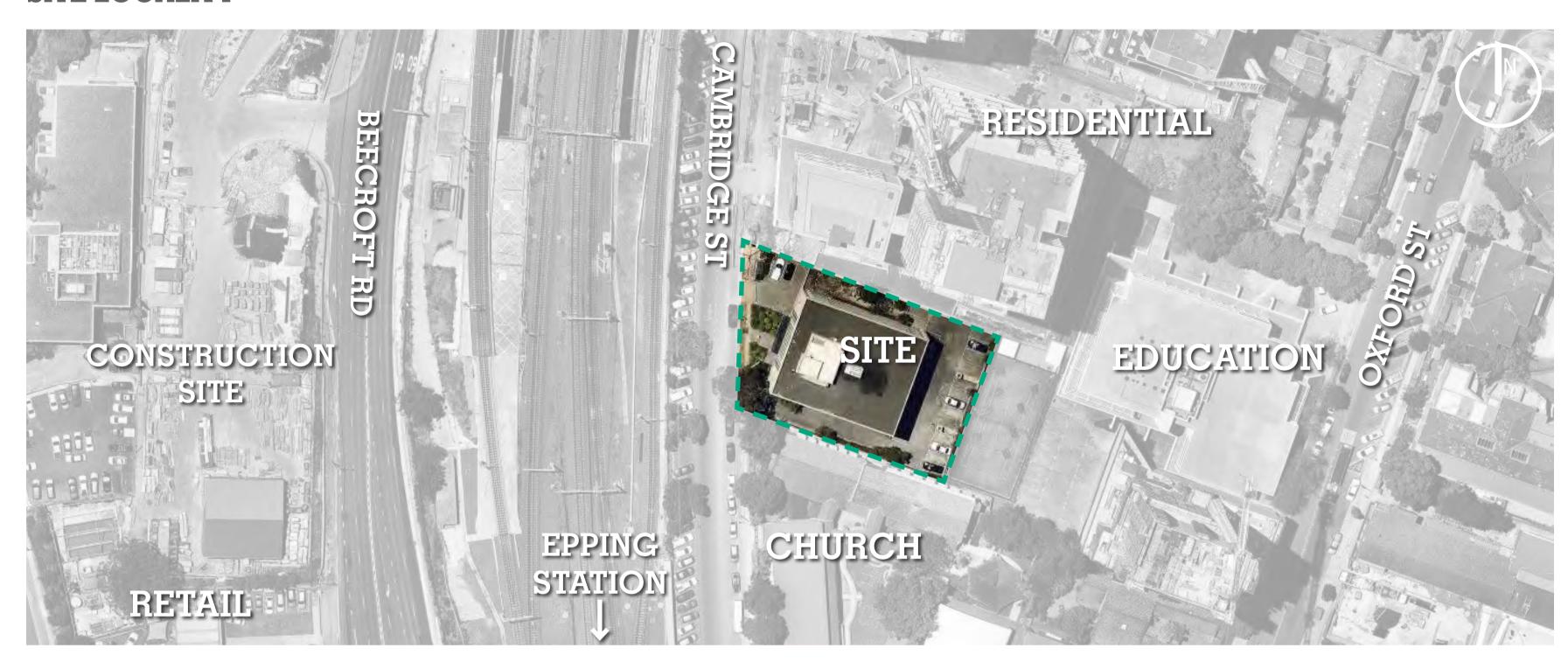
REGIONAL CONTEXT



LOCAL CONTEXT



SITE LOCALITY



LOCAL CONTEXT

The proposed development site lies within the Epping town centre, along Cambridge Street, facing onto the T1 railway line north of Epping Station. The site sits in a predominantly residential area with new developments coming up around.

In 2012 Epping was identified as the first Urban Activation Precinct due to its capacity to support high density growth in a well-serviced location.

The proposed development will aim to provide a significant new residential, commercial and retail offering to the existing town centre. The landscape will respond to the areas strong heritage while linking to the current uses.



SITE!//HERITAGE #/HISTORY/

SITE HISTORY

The area of Epping has strong historical significance during the establishment of the colony. It played a vital role with the timber industry and was then followed by farming and orchards. The importance of the area kept growing which resulted in the opening of a railway station in the centre of the district.

After the closure of the timber industry the landscape recovered and returned to its natural state where it was heavily forested with Blue Gum trees. This landscape was the influence for the naming of the area as it reminded residents of Epping Forest in England. The area is synonimous with trees, naturally occurring and planted in grid arrangements. There is a great oportunity to link the landscape for the development with Eppings connections to trees and its past use.

TIMELINE

1820 - 1860 1886 1800 -1820



TIMBER INDUSTRY

Epping played an important role during the early years of the colony due to its timber production and sawmills. The trees were tall and spreading with a mix of Blue Gum, Blackbutt and Cedar. The ground under the trees was covered in luxuriant kangaroo grass.



ORCHARDS

After the closure of the sawmills the area was used for the establishment of orchards and vegetable farming. The Mobbs family established citrus orchards in the 1820s. The produce was sent down the Parramatta river to the Sydney markets.



THE RAILWAY

Epping railway station opened on the 17th of September 1886. The area was previously named Carlingford but was renamed as Epping in 1898. Epping station has been upgraded several times as is still in use as part of the Tl train line.



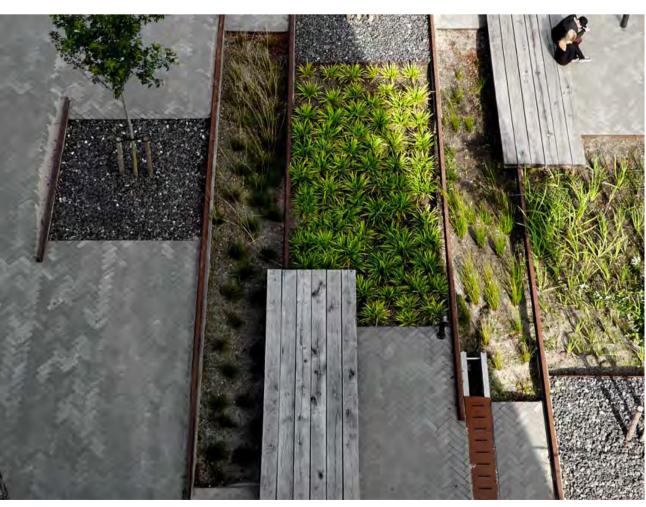
LANDSCAPE VISION I DESIGN CONCEPT

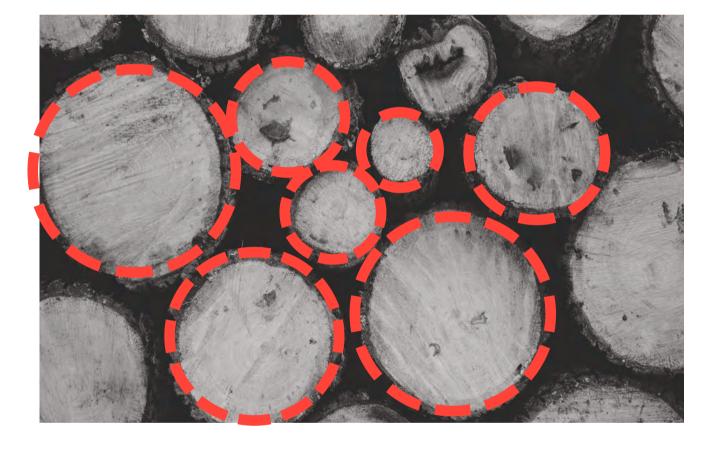
VISION:

Shaping the future development by the forms and uses of the past to create a unique landscape that responds to the location and its past.

FORM + MATERIALITY













The resulting landscapes will have a mix of forms, verticality and materiality to provide exciting spaces for the users and comunity.

RAILWAY

Using the railway tracks to inform the arrangement of the floor plain. The materiality of the tracks with a mix of timber and metal to create patterns on the ground to define the access and movement through.

TIMBER

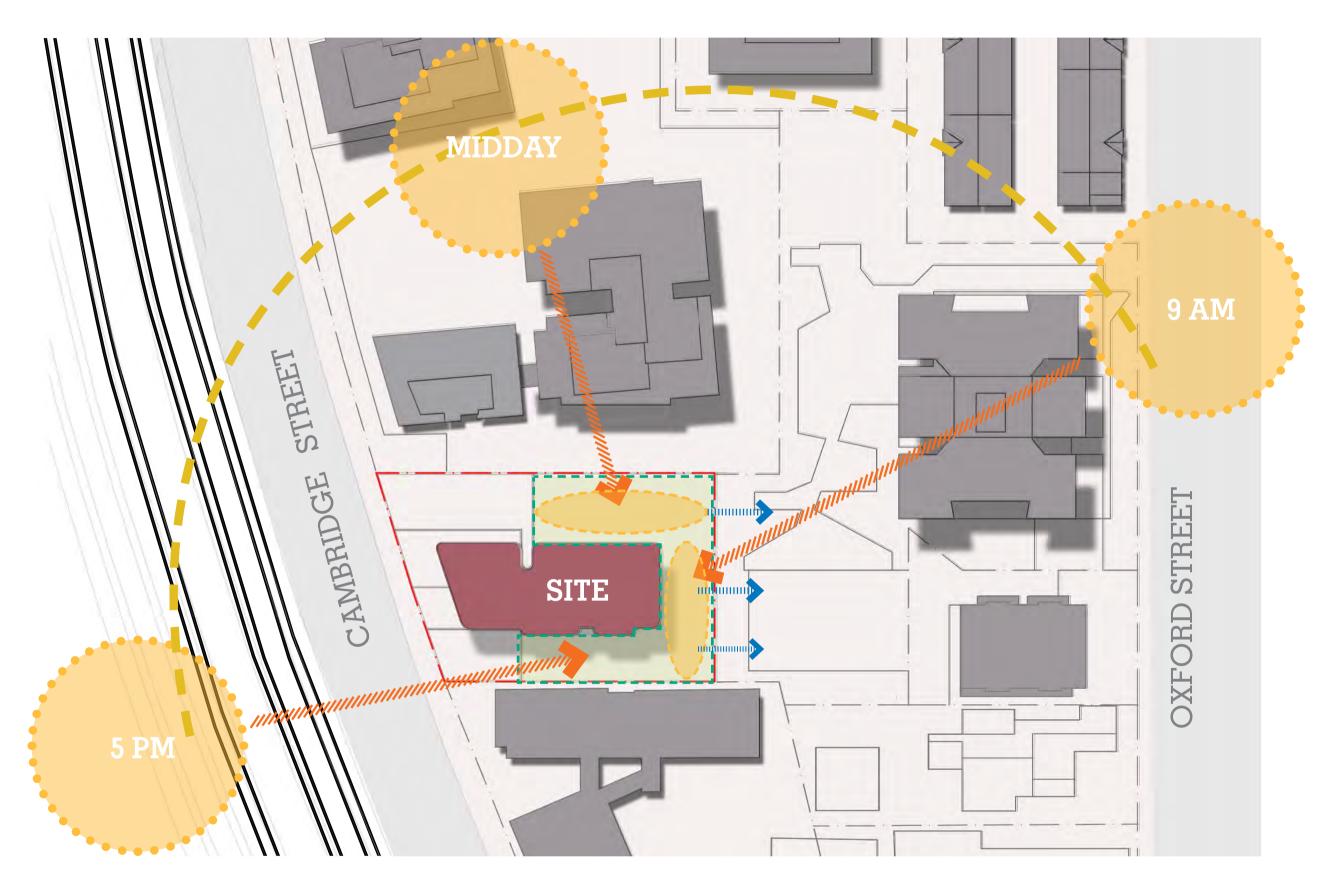
Taking the circular forms from the cut and stacked tree poles of the timber industrial past of Epping. Using these forms to create the horizontal arrangement of the landscape. The circular and natural forms with a combination of grasses planting will mimmick the feel of the natural heritage forest of the area.

FOREST + ORCHARD

The upright forms from the forest and orchard past will provide the inspiration for the structural elements of the landscape. Creating verticality through; planting, shade structures, furniture, lighting and sculptural forms.



COMMERCIAL OPEN SPACE LEVEL 2



SOLAR ACCESS + VIEWS

LEGEND



Maximum Solar Potential

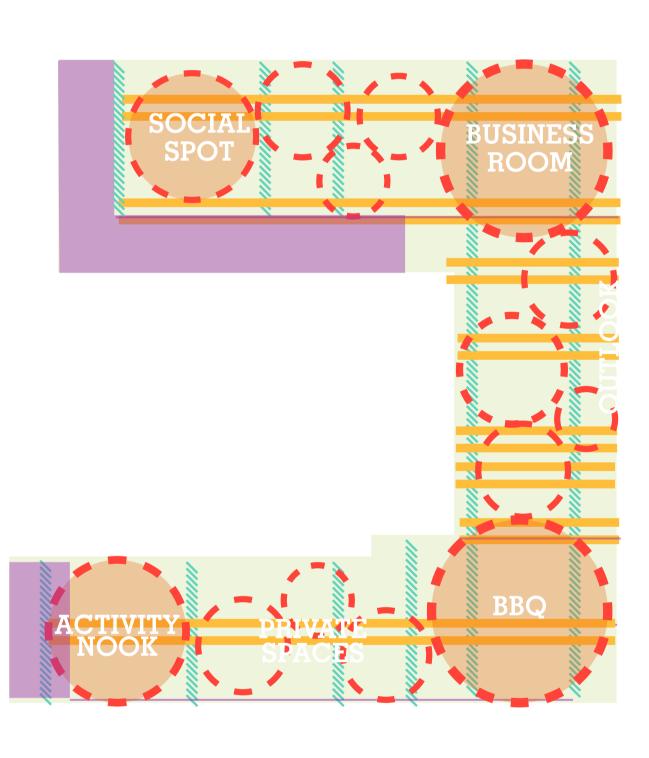


Solar Access



Views Out





OPEN SPACE ARRANGEMENT

The overlaid forms start to create spaces and a layout for the landscape elements including; materials, structures, seating, planting. By analysing the solar access and views the space can be separated into different uses, creating outdoor rooms and varying opportunities.

LEGEND



Horizontal Arrangements



Private Space



Ground Materiality

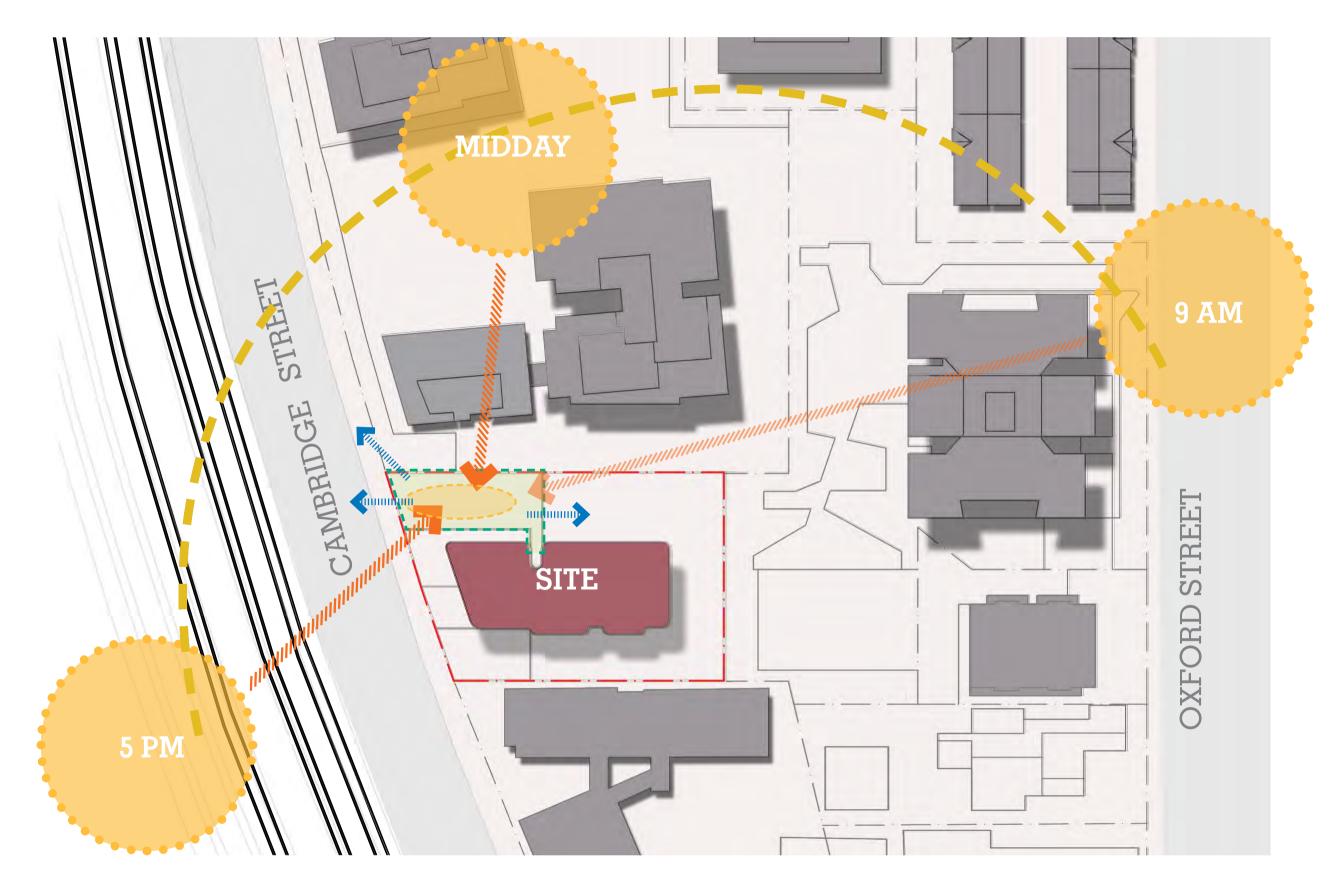


Vertical Arrangements





COMMUNAL OPEN SPACE LEVEL 3



SOLAR ACCESS + VIEWS

LEGEND



Maximum Solar Potential



Solar Access



Views Out



OPEN SPACE ARRANGEMENT

Taking advantage of the solar access and views we can start to define the uses for different areas. Creating a small garden spot that catches the mid morning sun and an afternoon viewing deck.

LEGEND



Horizontal Arrangements



Materiality



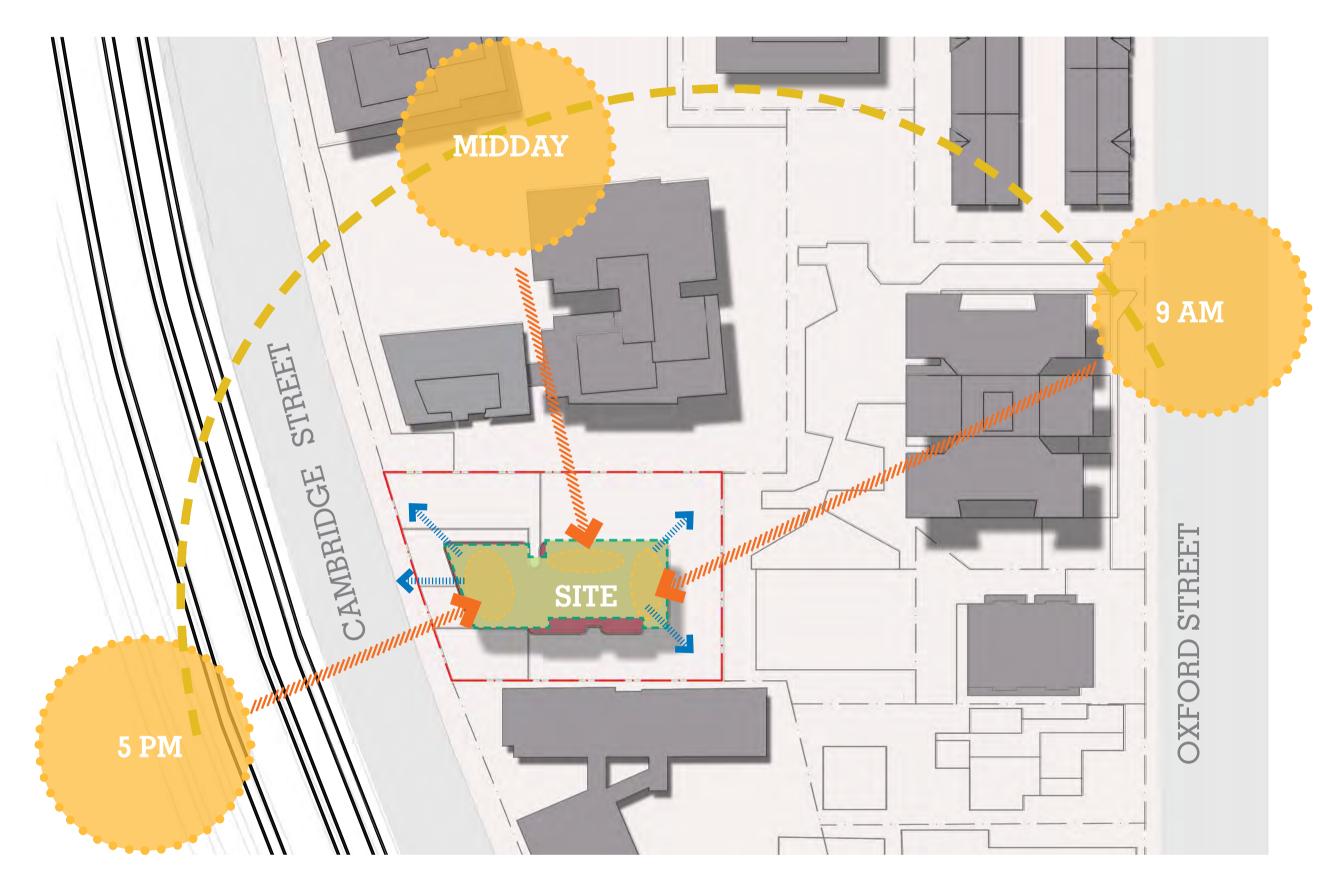
Vertical Arrangements





LANDSCAPE VISION // DIAGRAMS

SKY GARDEN L11



SOLAR ACCESS + VIEWS

LEGEND



Maximum Solar Potential

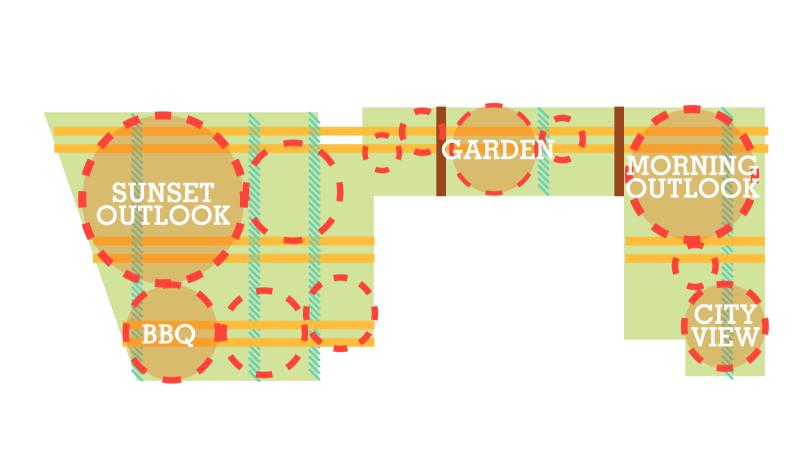


Solar Access



Views Out





OPEN SPACE ARRANGEMENT

This space has fantastic views and good solar access in particular in the afternoon. Taking advantage of these opportunities and using the forms to set out the spaces and uses including raised viewing deck and bbq area.

LEGEND



Horizontal Arrangements



Vertical Arrangements

Materiality





LANDSCAPE VISION I DESIGN CONCEPT

LANDSCAPE FORMS

GROUND **MATERIALITY**







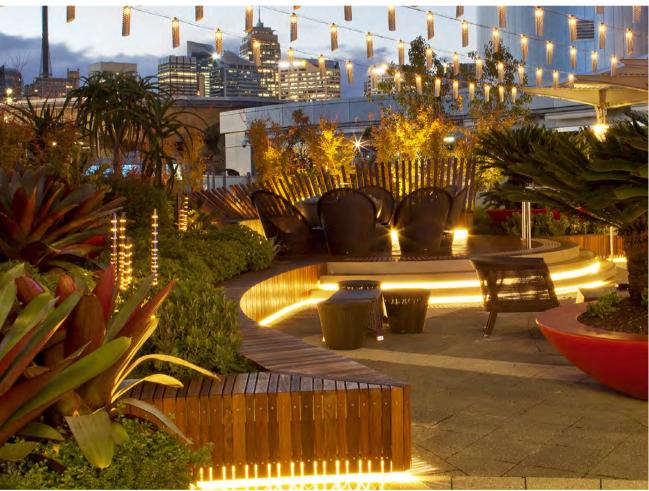












VERTICAL ARRANGEMENT













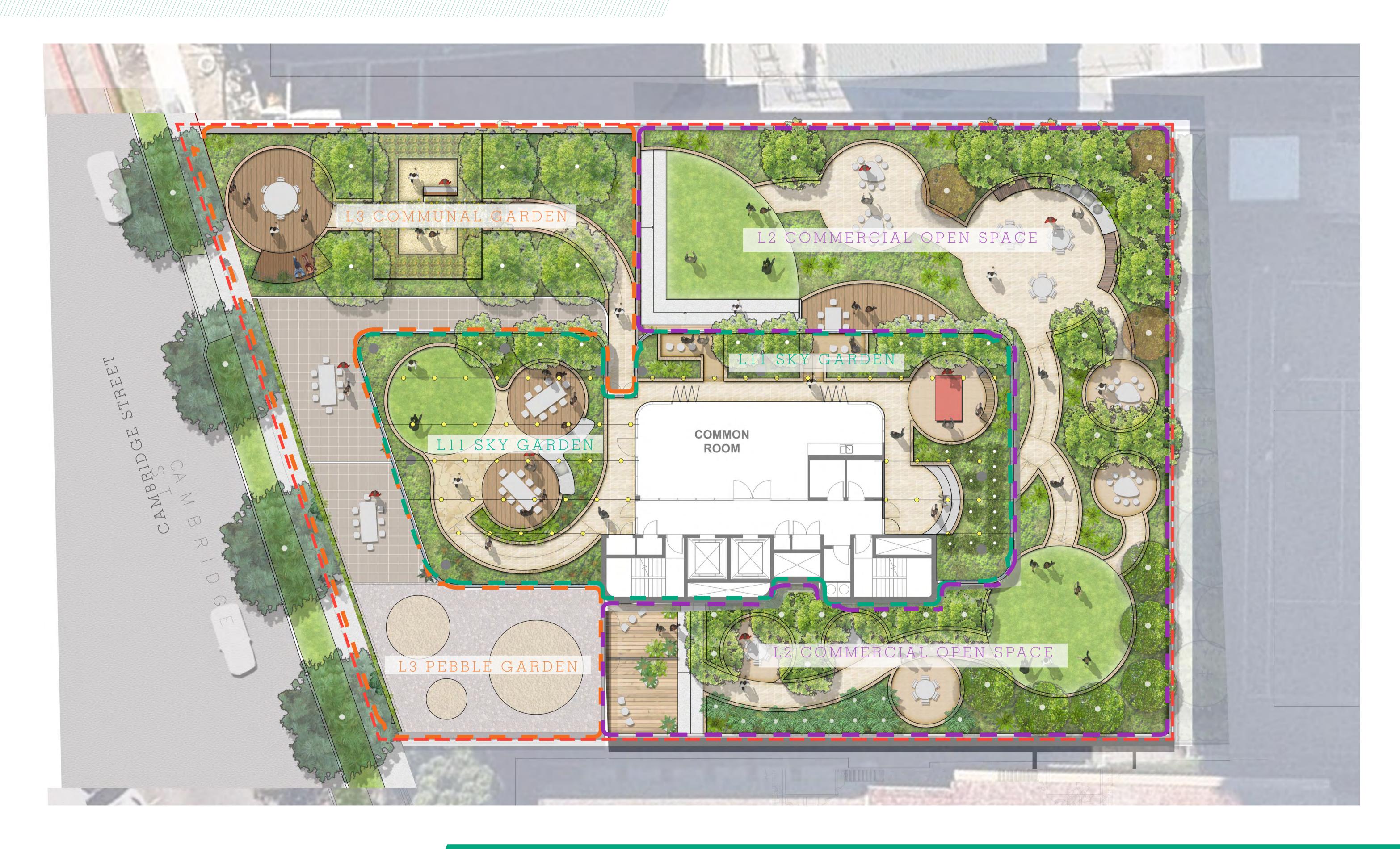


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Just Properties Group Pty Ltd

DATE Jan 2019 SCALE **ISSUE** D

LANDSCAPE CONCEPT I MASTERPLAN



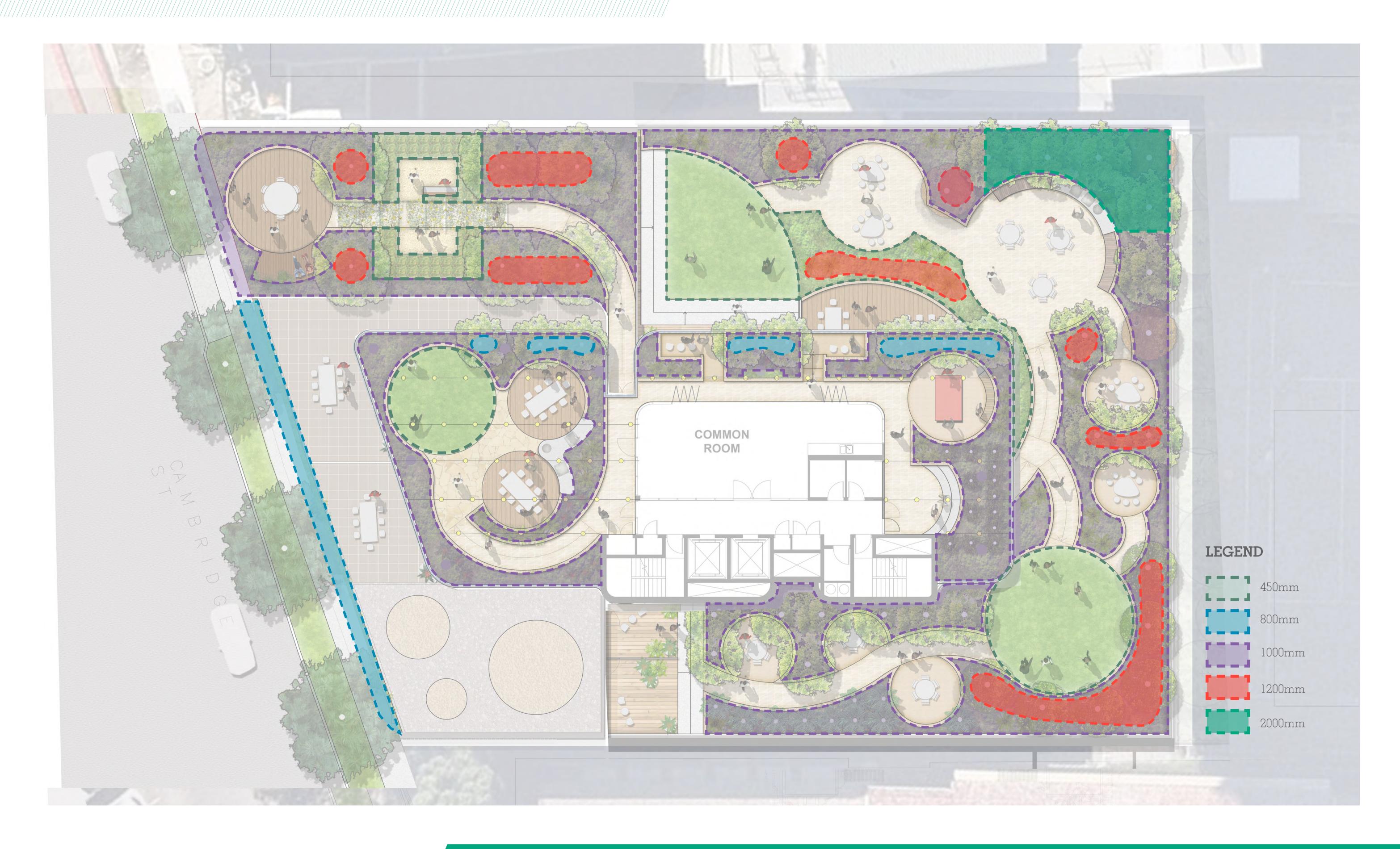
16-18 CAMBRIDGE STREET, EPPING

LANDSCAPE DEVELOPMENT APPLICATION





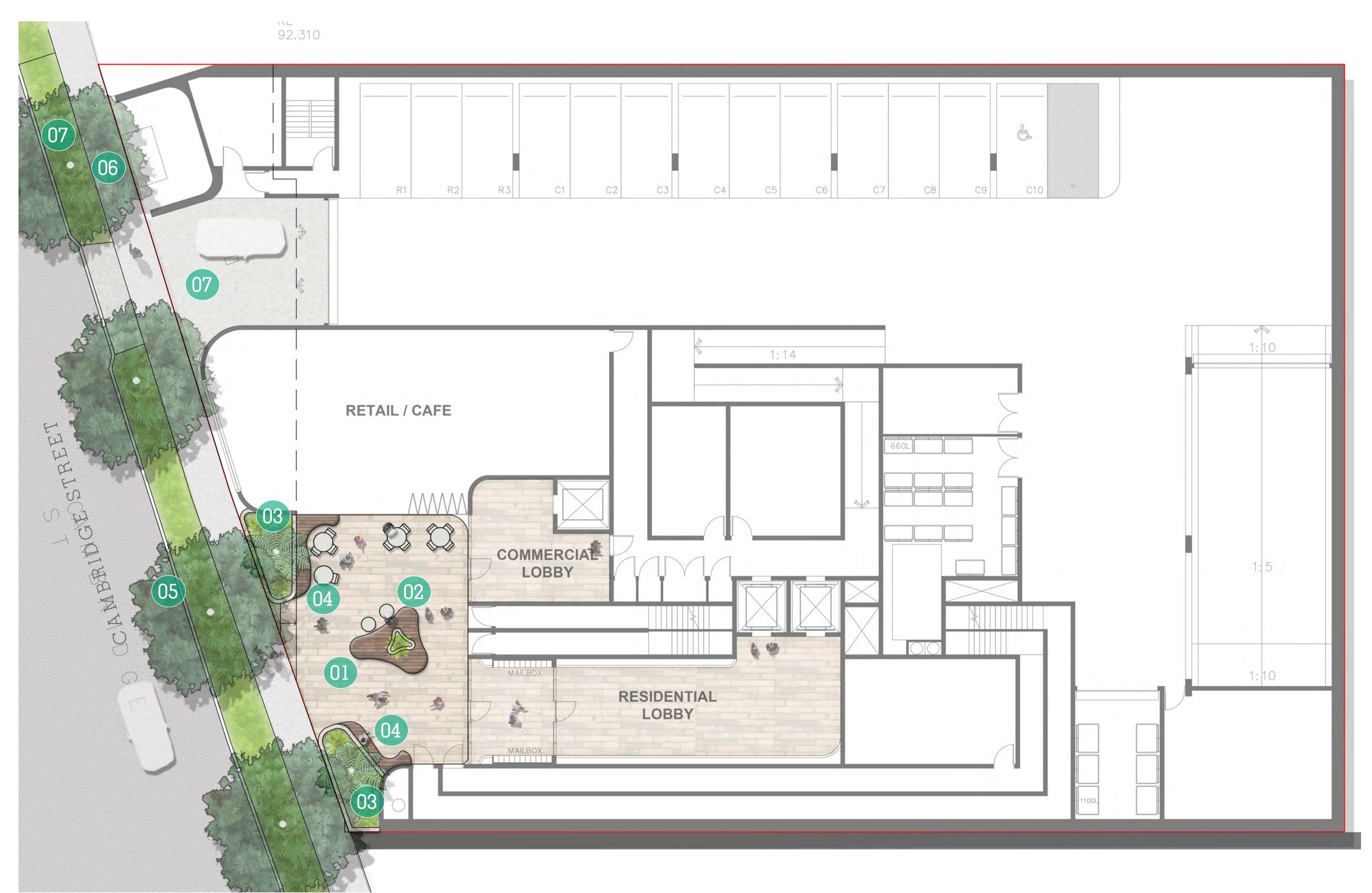
LANDSCAPE CONCEPT//SOM/DEPTHS/







LANDSCAPE CONCEPT// GROUND/FLOOR/



LEGEND

- 01 Paving to match Lobby floor finish
- 02 Feature planter bench
- 03 Mature Tree Fern
- 04 Feature Seating Bench
- 05 Lophostemom confertus Street Tree as per Public Domain Guidelines (PDG)
- 06 1.8m Insitu Concrete path as per PDG
- 07 Grass verge as per PDG

SCALE 1:100 @ A1

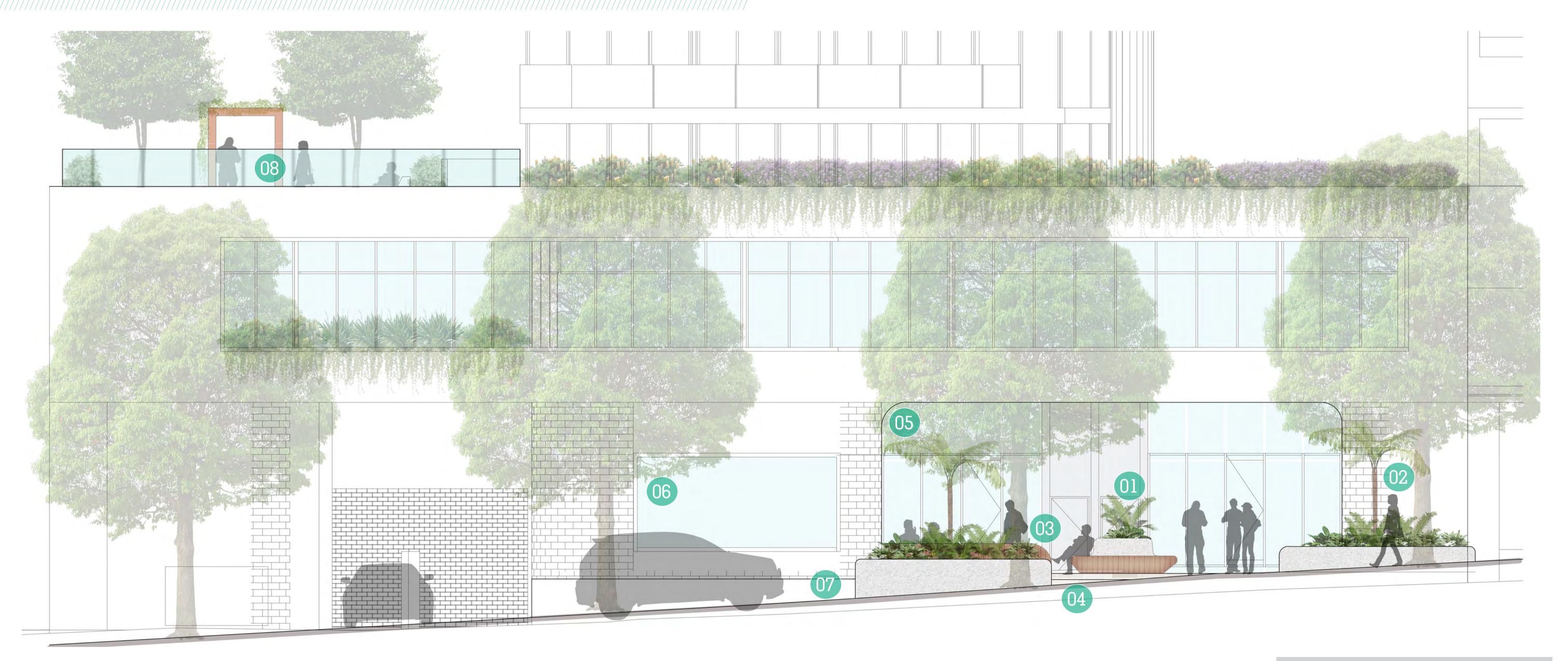




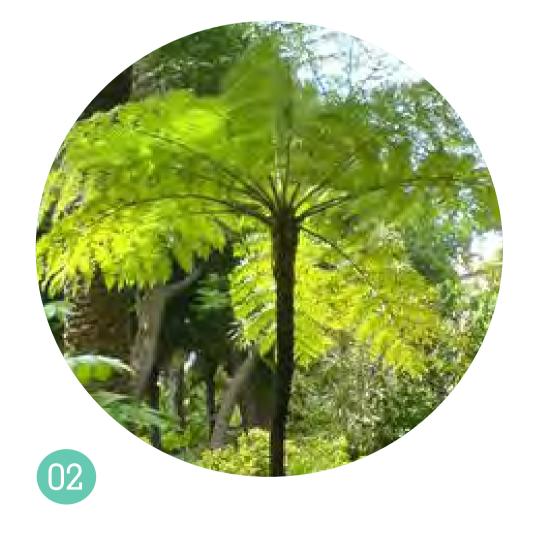


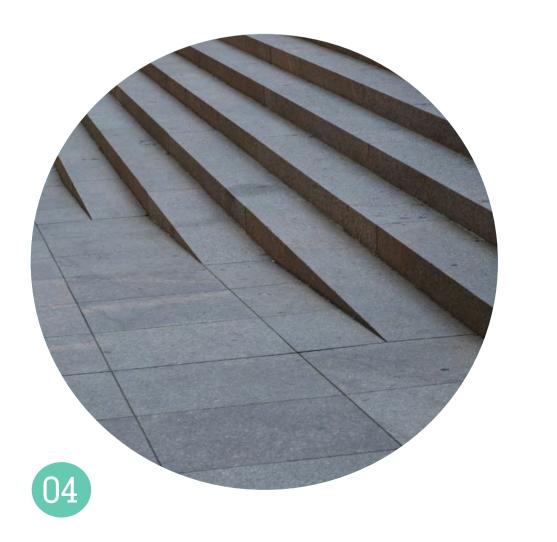


SECTION // GROUND/FLOOR/











LEGEND

- 01 Feature planter bench
- 02 Mature Tree Fern
- 03 Feature Seating Bench
- 04 Vanishing Steps for level change
- 05 Feature Ceiling
- 06 Lophostemom confertus Street Tree as per Public Domain Guidelines
- 07 Insitu Concrete path as per PDG
- 08 Level 3 Communal Garden

SCALE 1:50 @ A1



16-18 CAMBRIDGE STREET, EPPING LANDSCAPE DEVELOPMENT APPLICATION



CLIENT

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LANDSCAPE CONCEPT///LEVEL/2/



LEGEND

- 01 Outdoor meeting room
- 02 Communal BBQ
- 03 Flowering Plum Trees
- 04 Passive seating areas
- 05 Open lawn
- 06 Ramping walkway
- 07 Private decks
- 08 Wind break tree planting

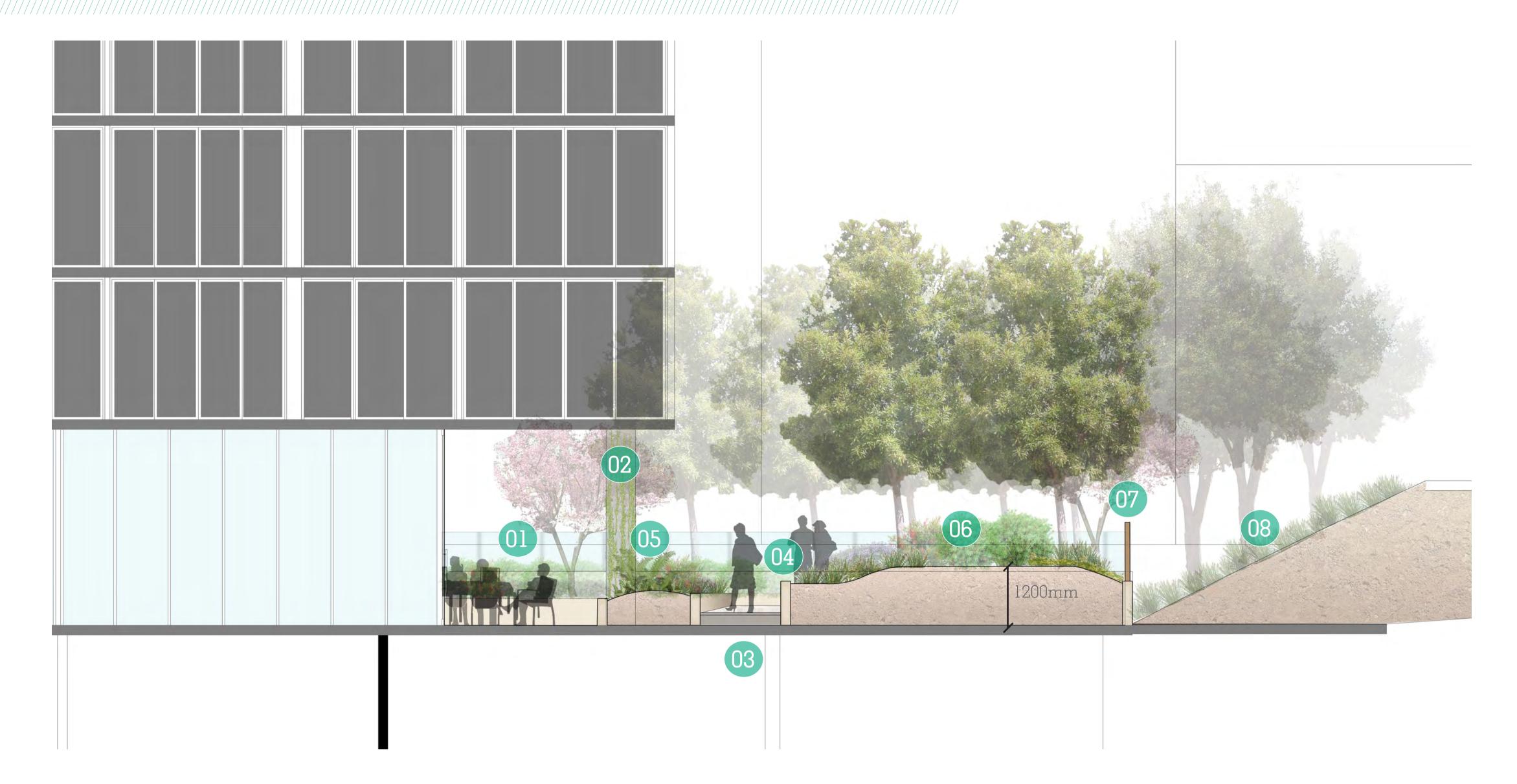
SCALE 1:100 @ A1





















LEGEND

- 01 Outdoor Meeting Room
- 02 Climbing plants on Columns
- 03 Ramping Walkway
- 04 Raised Planter wall
- 05 Undercroft planting
- 06 Matrix planting
- 07 Retaining planter wall and fence
- 08 Adjacent plot sloping boundary treatment











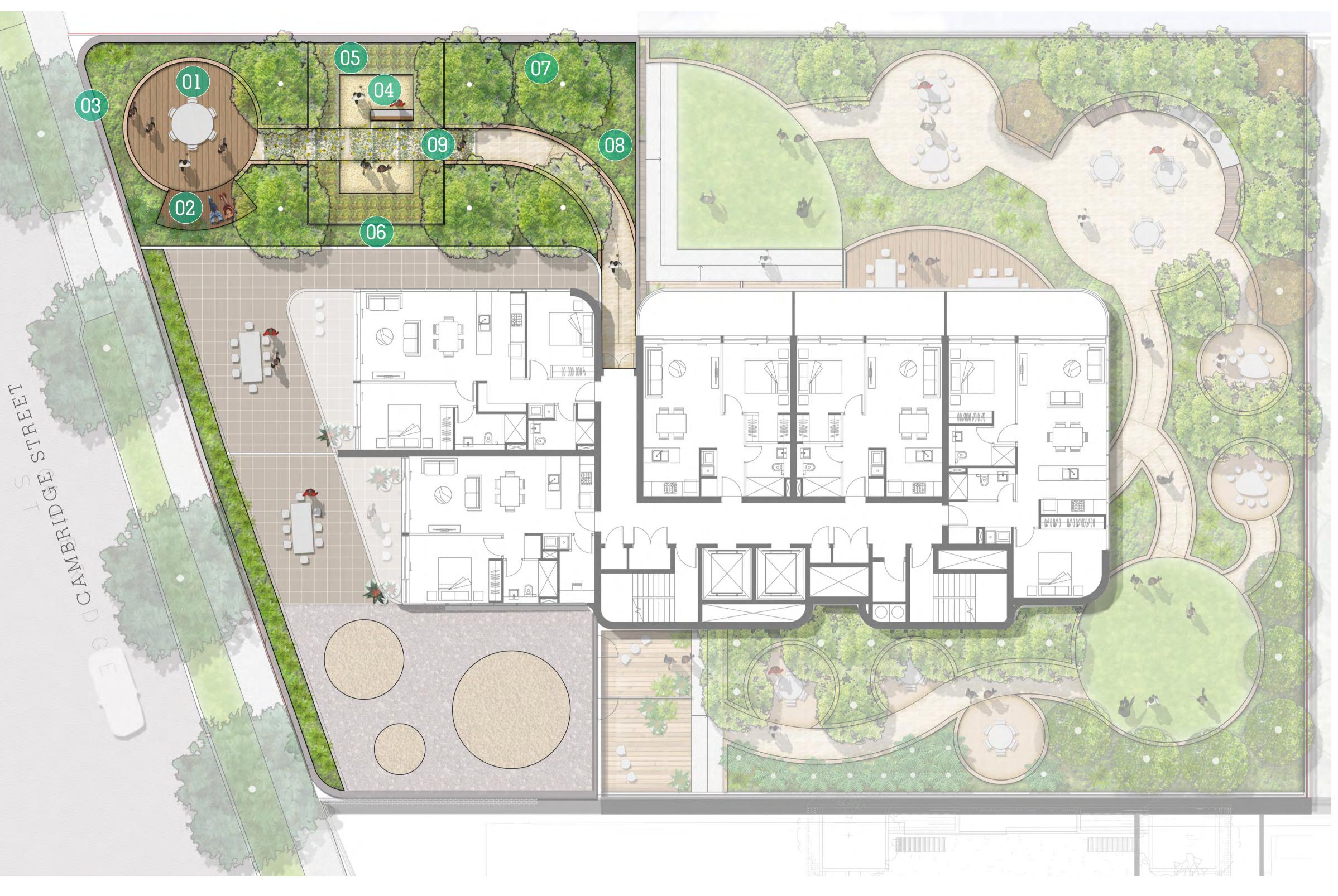
16-18 CAMBRIDGE STREET, EPPING

LANDSCAPE DEVELOPMENT APPLICATION





LANDSCAPE CONCEPT//LEVEL/3/



LEGEND

- 01 Sunset Viewing Deck
- 02 Day Bed
- 03 Glass Balustrade
- 04 Vegetable + Herb garden
- 05 Raised Vegetable Garden Beds
- 06 Screen planting
- 07 Fruit Tree Planting
- 08 Matrix planting
- 09/ Pergola with fruiting climbing plants

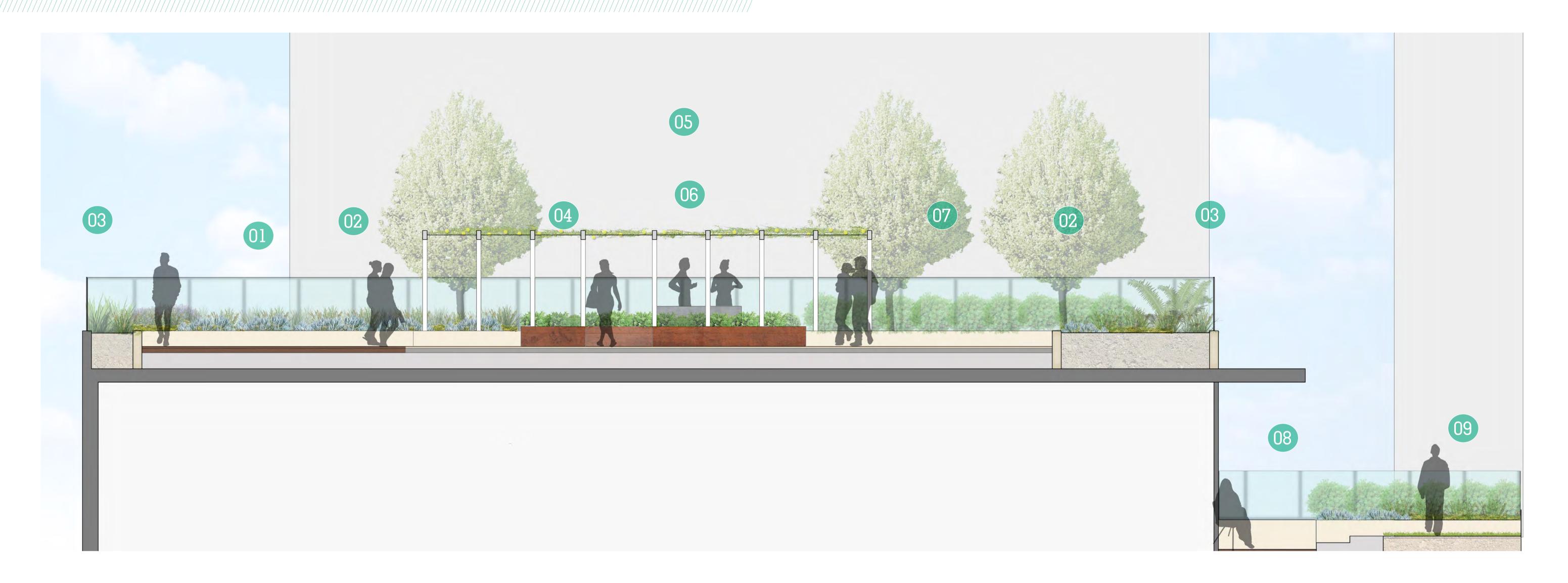




















LEGEND

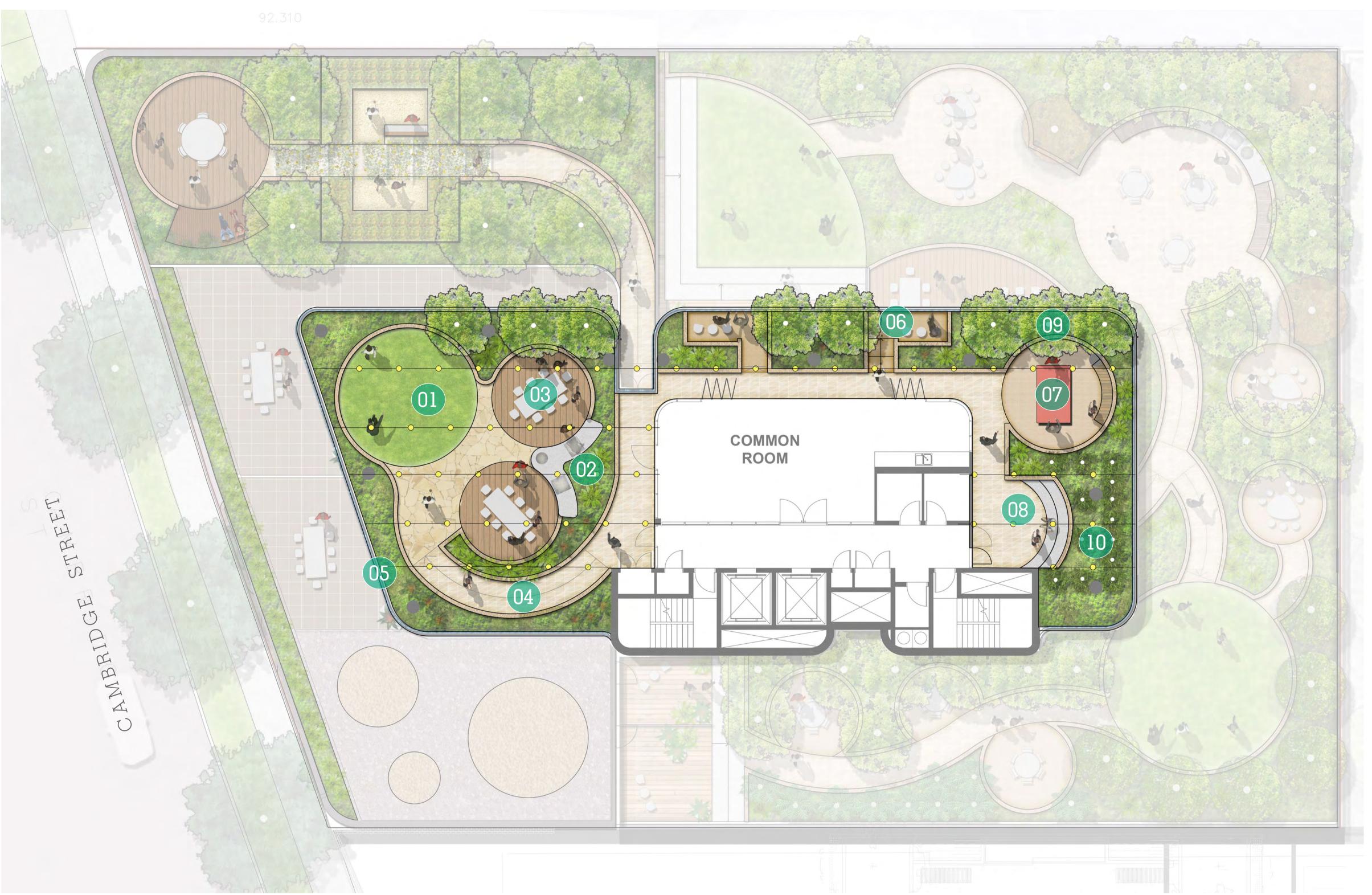
- 01 Sunset Viewing Deck
- 02 Retaining Planter wall
- 03 Wall mounted Glass Balustrade
- 04 Raised Vegetable Garden Beds
- 05 Pergola with fruiting climbing plants
- 06 Potting bench
- 07 Fruit Tree Planting
- 08/ Level 2 private deck
- 09/ Turf

SCALE 1:50 @ A1





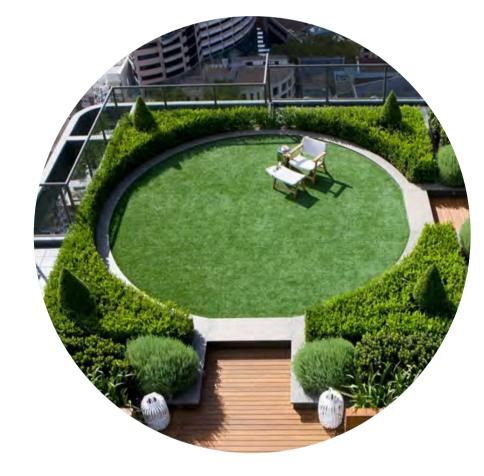
LANDSCAPE CONCEPT//LEVEL/1/



LEGEND

- 01 Raised Open Lawn
- 02 Communal BBQ
- 03 Large Dining Area
- 04 Ramping walkway
- 05 Catenary Lighting Feature
- 06 Secluded Alcoves
- 07 'Play' Area with table tennis etc.
- 08 Semi Amphitheatre for Outdoor Cinema
- 09/ Lemon Trees
- 10/Bamboo screen planting

SCALE 1:100 @ A1

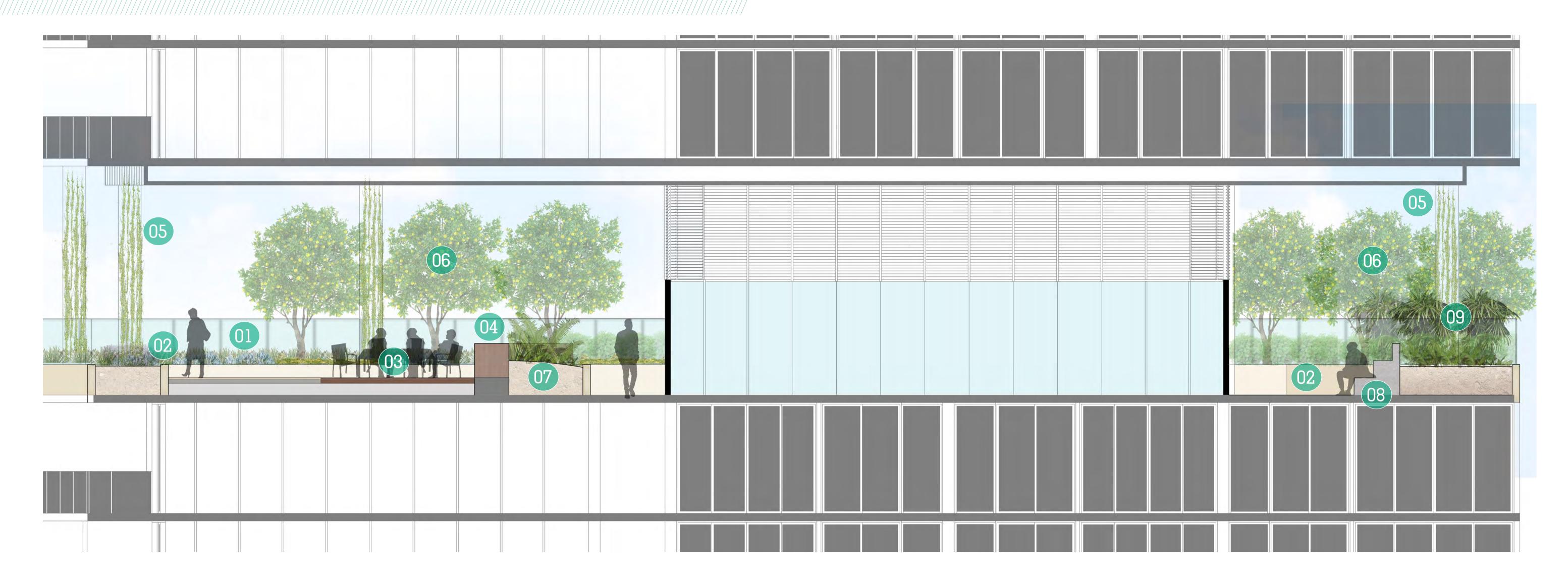


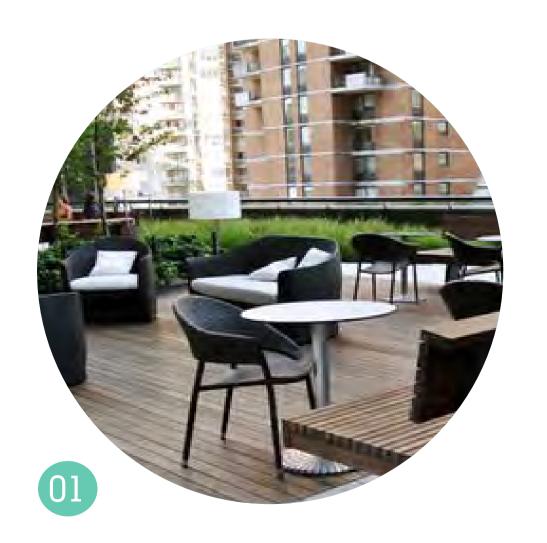






SECTION//LEVEL/3/











LEGEND

- 01 Glass Balustrade
- 02 Raised planter walls
- 03 Large Dining Area
- 04 BBQ
- 05 Climbers on columns
- 06 Lemon Trees
- 07 Shae tolerant planting
- 08 Seating for Outdoor Cinema
- 09/Bamboo wind break planting

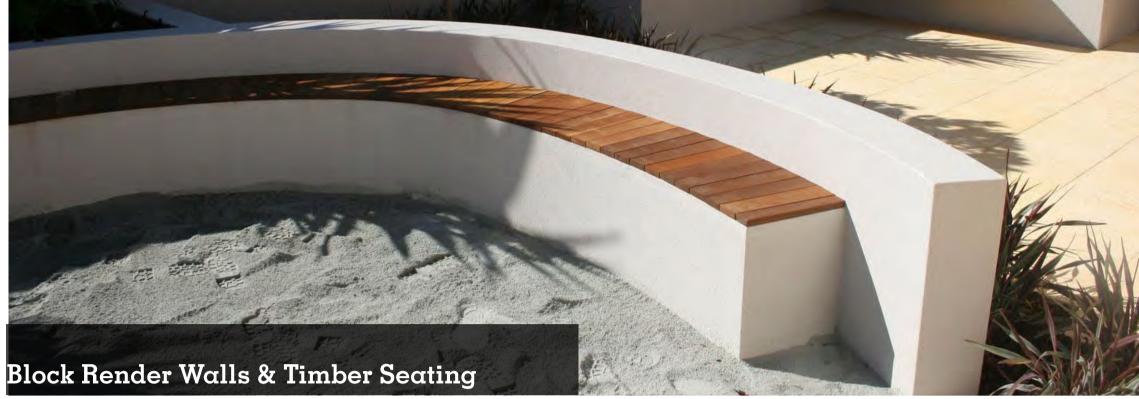
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MATERIALPALETTE



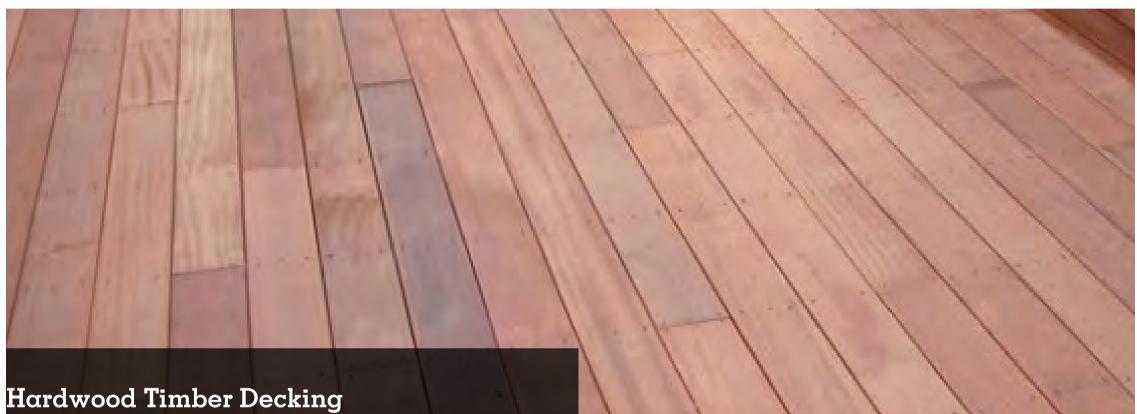




Decomposed granite

















The landscape material palette looks to merge a rustic feel with modern simplicity and clean lines. The curving nature of the landscape design lends itself to more natural materials and materials. The lose overlaid grid pattern lends itself to more clean lines achieved with linear elements.

The floor treatments are mainly linear in appearance with the addition of crazy paving and decomposed granite to soften certain areas. The dark tones of the timber bring warmth to main areas of gathering.

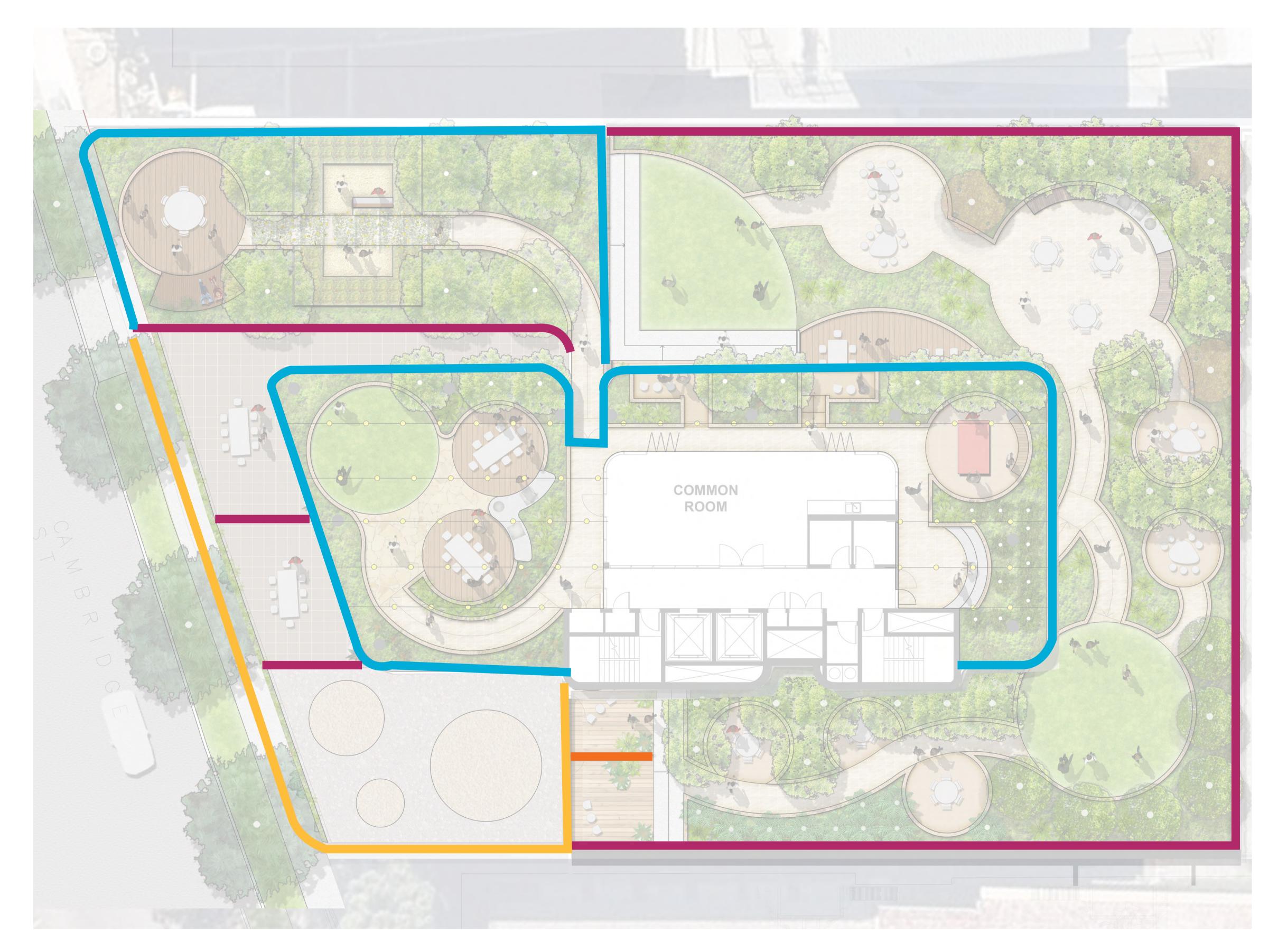
Elements that merge rustic with modern include the corten steel planter boxes and timber arbour that both have rigid forms but are softened by the textures of the materials.



Sculptural Timber Bench



LANDSCAPE BOUNDARIES 4 FENCES

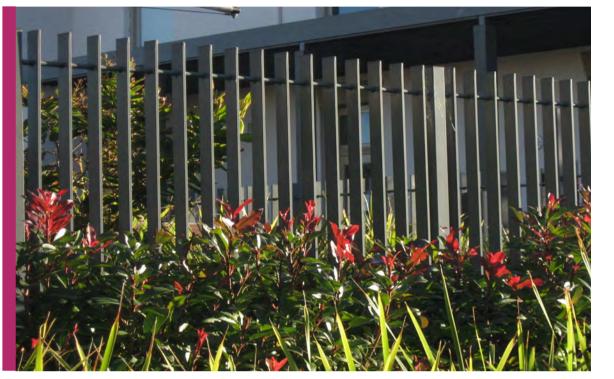


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LANDSCAPE DEVELOPMENT APPLICATION



Glass Balustrade



Retaining Wall with Palisade fence



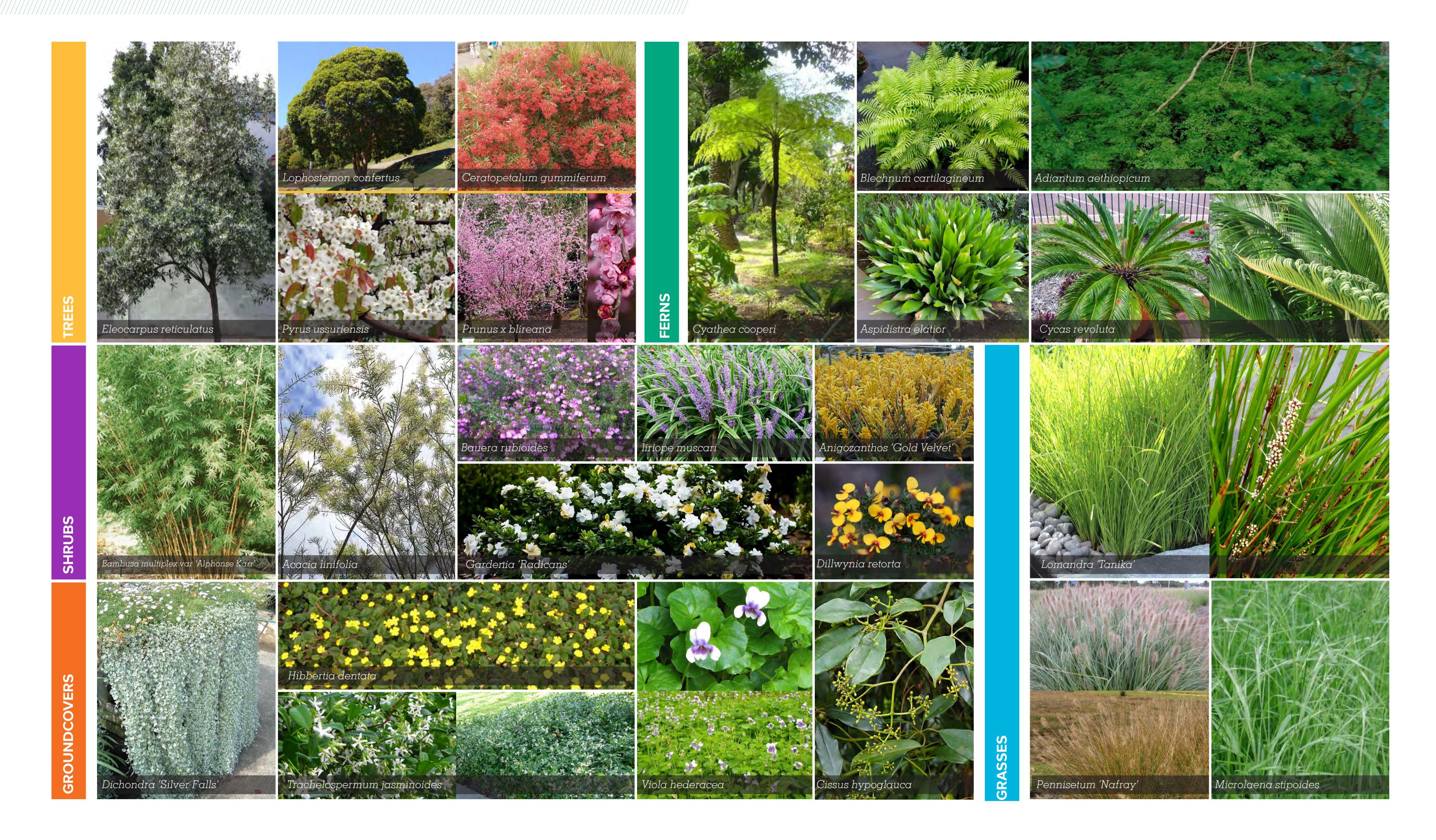
Screen Fence



Parapet Wall



PLANTING PALETTE

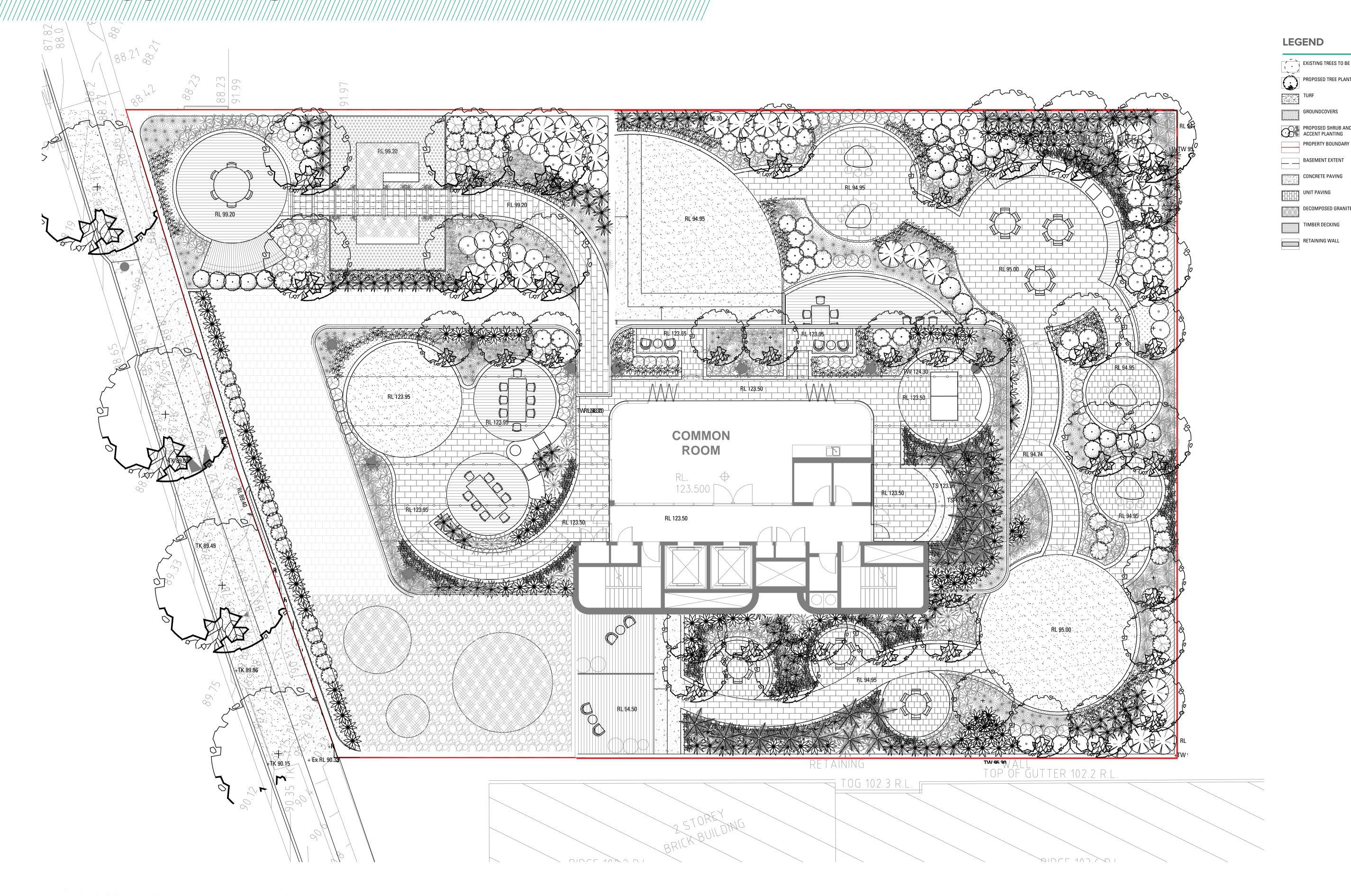








LANDSCAPEMASTERPLAN





16-18 CAMBRIDGE STREET, EPPING DEVELOPMENT APPLICATION

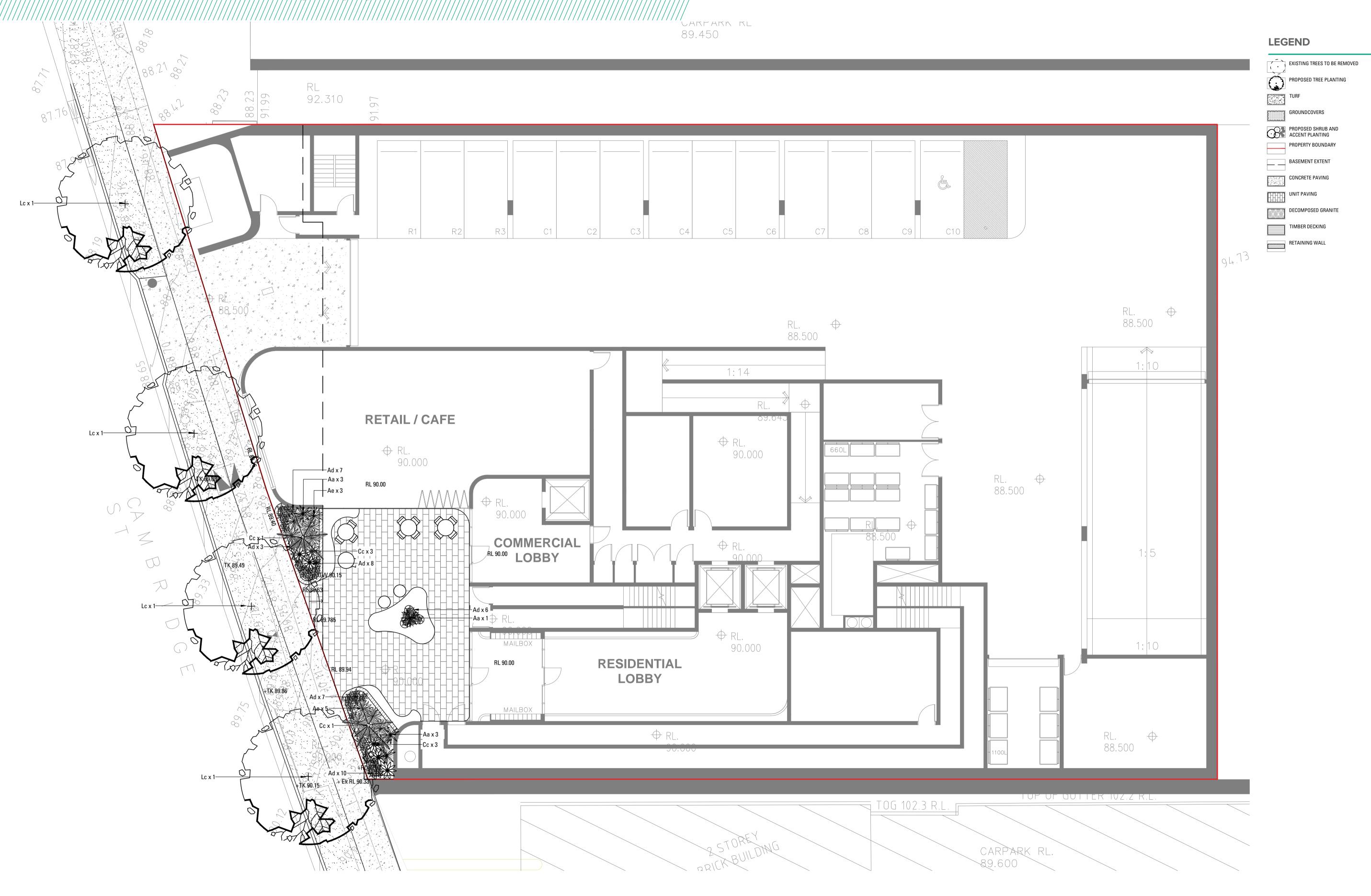


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LANDSCAPEPLAN-GROUNDLEVEL





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LANDSCAPE/PLAN/-/LEV/EL/2/





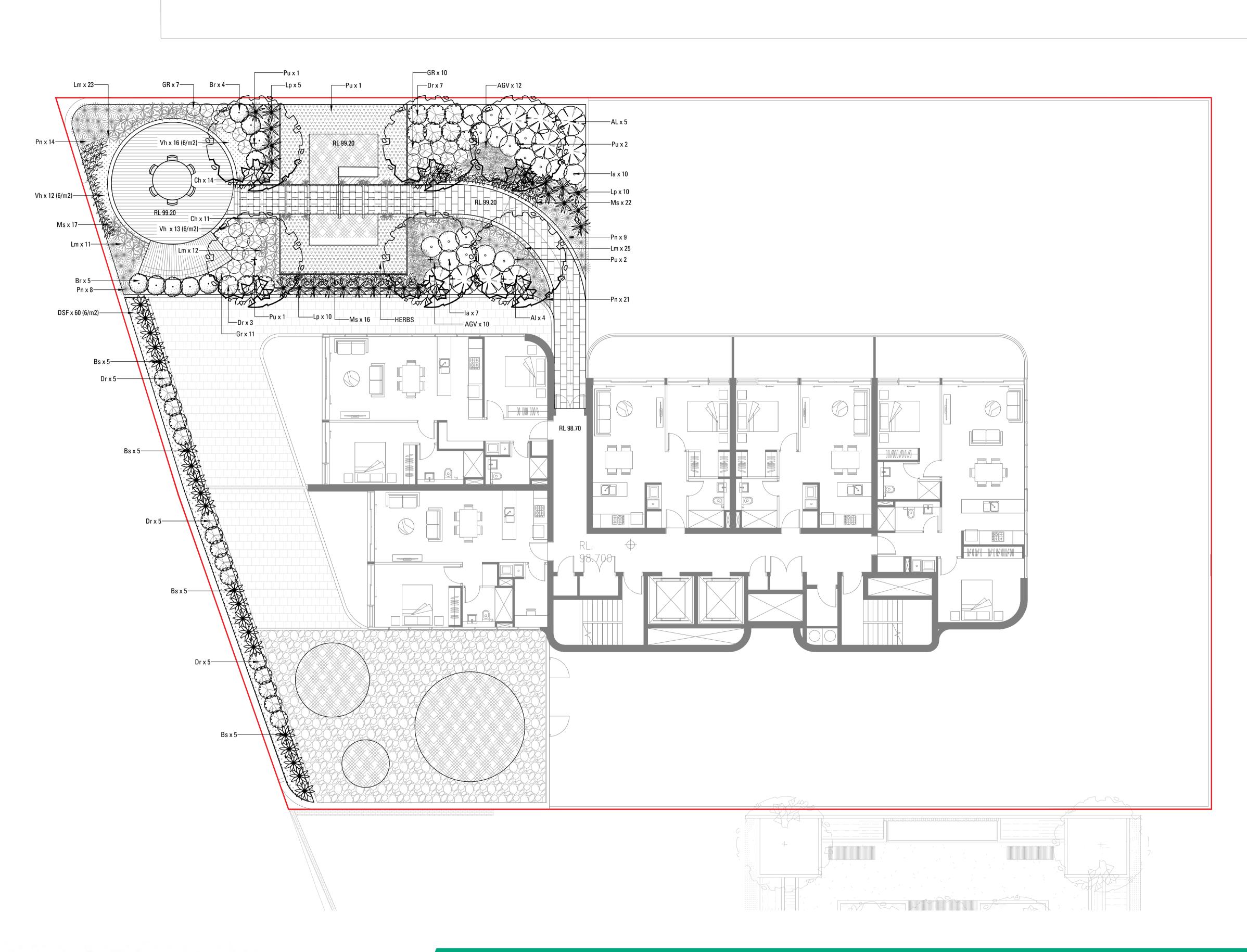
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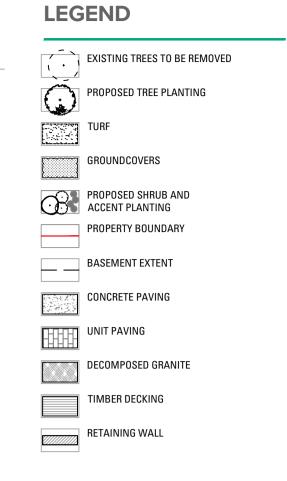


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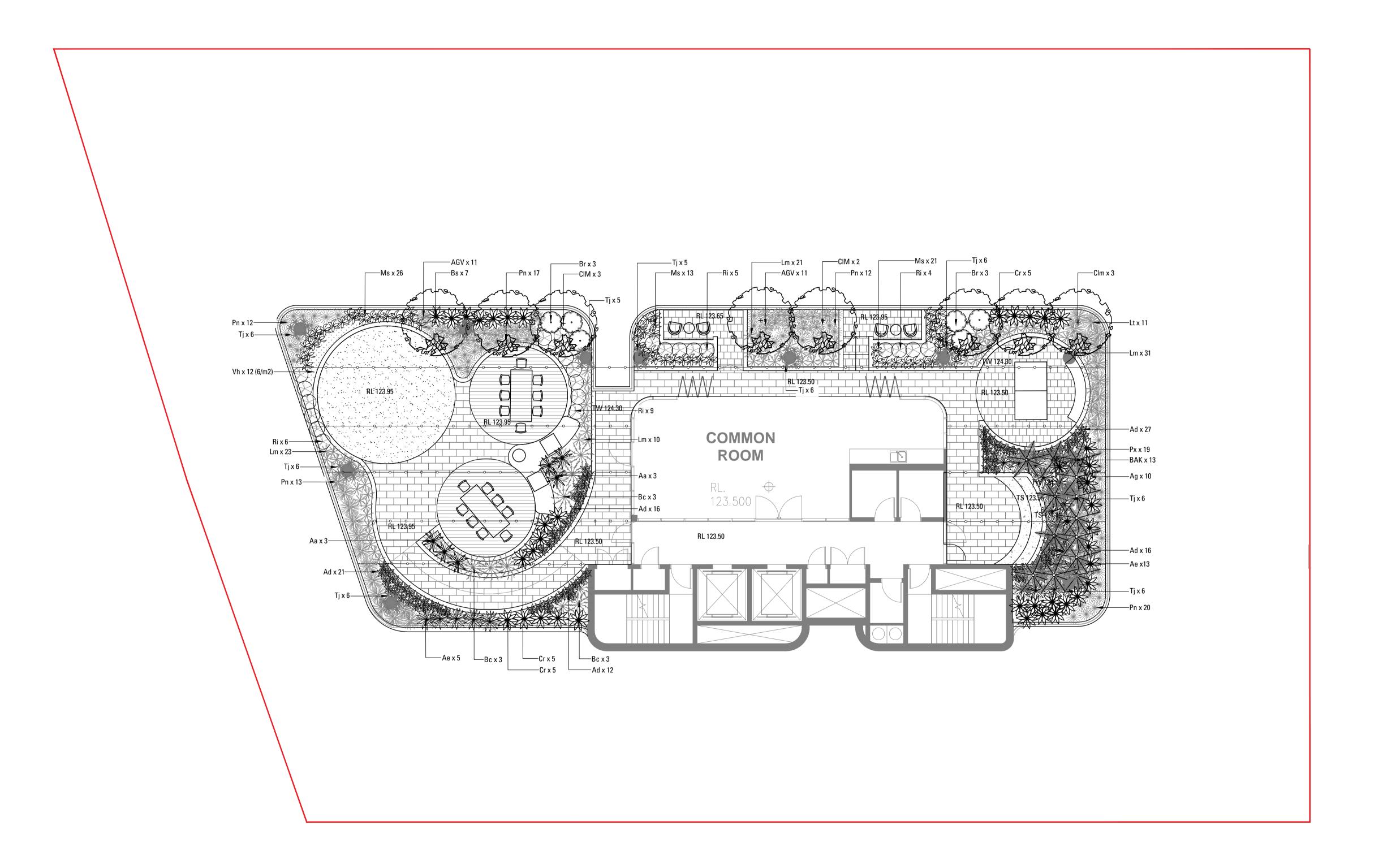
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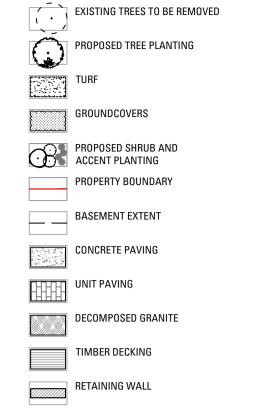


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LEGEND



16-18 CAMBRIDGE STREET, EPPING

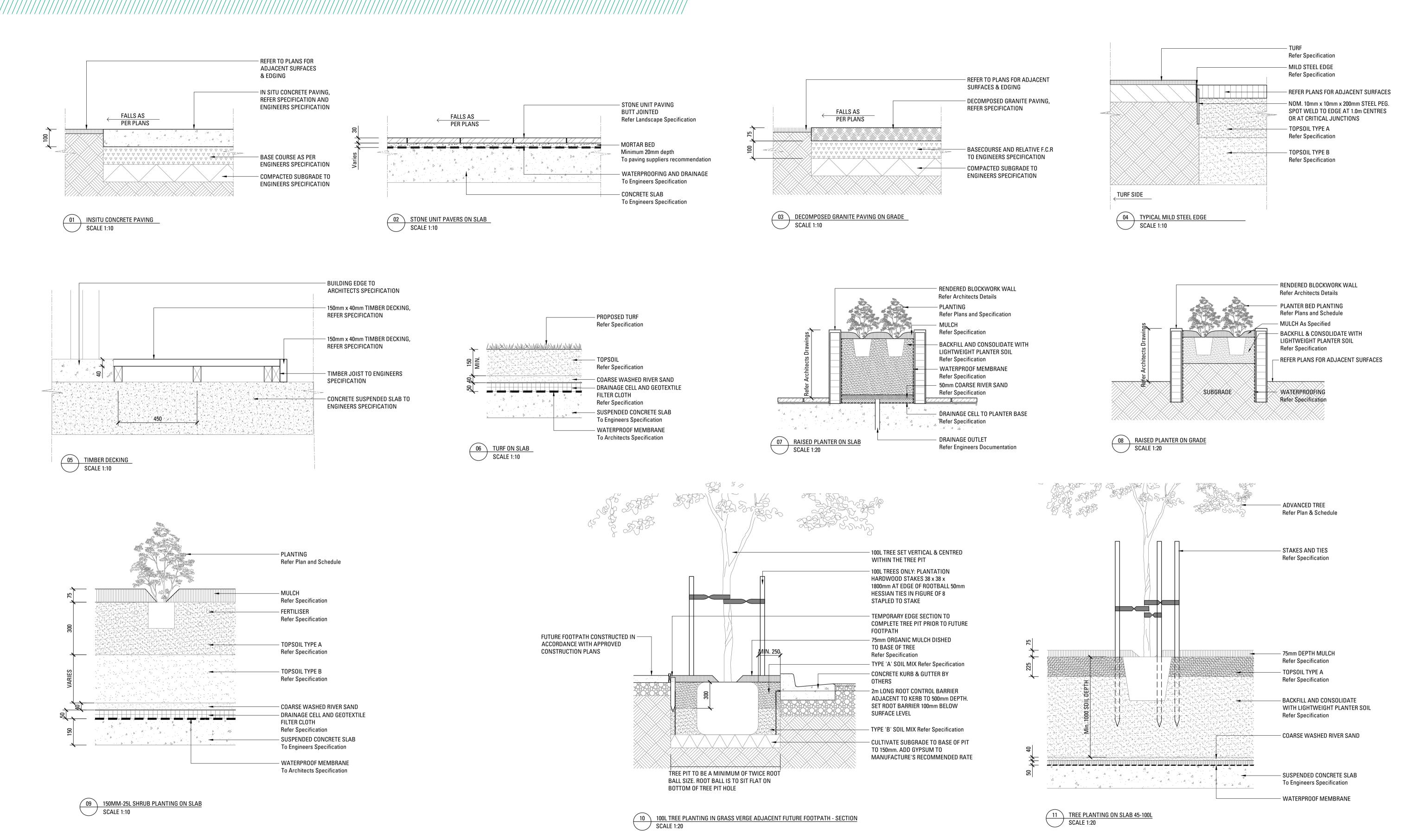
DEVELOPMENT APPLICATION

CODE	BOTANIC NAME	COMMON NAME	MATURE SIZE (h x w) (m)	PROPOSED POT SIZE	QUANTITY
	TREES & PALMS				
As	Acmena smithii	Lilly Pilly	10 x 5	200mm	8
Cg	Ceratopetalum gummiferum	Christmas Bush	6 x 5	75L	3
CIM	Citrus lemon 'Meyer'	Meyer Lemon	3 x 2	75L	8
Er	Eleocarpus reticulatus	Blueberry Ash	10 x 5	200L	6
Lc	Lophostemon confertus	Brush Box	15 x 10	200L	3
Pu	Pyrus ussuriensis	Ornamental Pear		9 x 7 100L 4 x 4 100L	
Pb	Prunus x blireana			100L	3
TI	Tristaniopsis laurina	Water Gum	10 x 5	200L	11
	SHRUBS & ACCENTS				
Al	Acacia linifolia	Golden Wattle	2 x 2	25L	33
AGV	Anigozanthos 'Gold Velvet'	Gold Kangaroo Paw	0.6 x 0.4	25L	76
BAK	Bambusa multiplex var 'Alphonse Karr'	Red Cloud Bamboo	2-4 x 1	25L	13
Bs	Banksia spinulosa 'Bush Candles'	Hairpin Banksia	1.5 x 1 25L		39
Br	Bauera rubioides	Dog Rose	1 x 2	25L	31
Dr	Dillwynia retorta	Heathy Parrot Pea	1 x 1	25L	48
GR	Gardenia 'Radicans'	Dwarf Gardenia	0.5 x 1		
HERBS	Kitchen Garden Herbs (Various)	N/A	N/A		60
la	Indigofera australis	Needlebush Indigofera	1.5 x 2	25L	39
Lp	Leptospermum polygalifolium	Lemon-scented Tea Tree	1.5 x 2	200mm	32
Lm	Liriope muscari	Lilyturf	0.5 x 0.5 200mm		345
Ri	Raphiolepsis indica	Indian hawthorn	1.5 x 0.8	200mm	30
	GRASSES & RUSHES				
2.51	OTH TOOLS & HOUTE				
LT	Lomandra 'Tanika'	Tanika Mat Rush	1 x 1	200mm	94
Ms	Microleana stipoides	Weeping Grass	0.5 x 0.5	150mm	235
Pn	Pennisetum 'Nafray'	Swamp Foxtail	1 x 1	150mm	176
	FERNS & CYCADS				
Aa	Asplenium australasicum	Birds Nest Fern	1.5 x 1.5	10L	33
Ad	Adiantum aethiopicum	Maidenhair Fern	0.5 x 0.5	10L	322
Ae	Aspidistra elatior	Cast Iron Plant	0.5 x 0.5	150mm	113
Bc	Blechnum cartilagineum	Gristle Fern	1.5 x 1.5	150mm	25
Cc	Cyathea cooperi	Tree Fern	5 x 2	300mm	17
Cr	Cycas revoluta	Cycad	1.5 x 1 150mm		71
Px	Philodendron 'Xanadu'	Xanadu	1 x 1	150mm	19
	GROUNDCOVERS & CLIMBERS				
		1 10000			
Ch	Cissus hypoglauca	Native Grape	5 x spreading	150mm	25
DSF	Dichondra 'Silver Falls'	Silver Falls	0.15 x spreading	150mm	143
Hd	Hibbertia dentata	Trailing Guinea Flower	0.3 x 2	150mm	49
Tj	Trachelospermum jasminoides	Star Jasmine	0.25 x 1	150mm	68
Vh	Viola hederacea	Native Violet	0.2 x 0.5	150mm	99





/TYPICAL/DETAILS





16-18 CAMBRIDGE STREET, EPPING DEVELOPMENT APPLICATION

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Jan 2019 AS SHOWN Nettleton Tribe

LANDSCAPESPECIFICATIONS

LANDSCAPE SPECIFICATION NOTES

SFRVICES

BEFORE LANDSCAPE WORK IS COMMENCED THE LANDSCAPE CONTRACTOR IS TO ESTABLISH THE POSITION OF ALL SERVICE LINES AND ENSURE TREE PLANTING IS CARRIED OUT AT LEAST 3 METRES AWAY FROM THESE SERVICES. SERVICE LIDS, VENTS AND HYDRANTS SHALL BE LEFT EXPOSED AND NOT COVERED BY ANY LANDSCAPE FINISHES (TURFING, PAVING, GARDEN BEDS ETC.) FINISH ADJOINING SURFACES FLUSH WITH PIT LIDS.

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.

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.

PLANTING MIXTURE

SHALL BE HOMOGENOUS BLEND OF SOIL AND ADDITIVES IN THE FOLLOWING PROPORTIONS: EXISTING SITE SOIL IF SUITABLE OR IMPORTED TOPSOIL 50%

COMPOST 30%

D/W SAND 20%

SOIL TESTING OF EXISTING SITE SOIL IS TO BE UNDERTAKEN TO ASSESS SUITABILITY OF USE AS PLANTING TOPSOIL AND COMPLIANCE WITH AUSTRALIAN STANDARDS.

MULCH APPLICATION

PLACE MULCH TO THE REQUIRED DEPTH, (REFER TO DRAWINGS) CLEAR OF PLANT STEMS, AND RAKE TO AN EVEN SURFACE FINISHING 25MM BELOW ADJOINING LEVELS. ENSURE MULCH IS WATERED IN AND TAMPED DOWN DURING INSTALLATION.

MULCH TYPE

PINE BARK: FROM MATURE TREES, GRADED IN SIZE FROM 15MM TO 30MM, FREE FROM WOOD SLIVERS. DARK BROWN IN COLOUR AND TEXTURE.

CHALL DE

SHALL BE WELL ROTTED VEGETATIVE MATERIAL OR ANIMAL MANURE, OR OTHER APPROVED MATERIAL, FREE FROM HARMFUL CHEMICALS, GRASS AND WEED GROWTH AND WITH NEUTRAL PH. PROVIDE A CERTIFICATE OF PROOF OF PH UPON REQUEST.

PLANT MATERIAL

ALL PLANTS SUPPLIED ARE TO CONFORM WITH THOSE SPECIES LISTED IN THE PLANT SCHEDULE ON THE DRAWINGS.

GENERALLY PLANTS SHALL BE VIGOROUS, WELL ESTABLISHED, HARDENED OFF, OF GOOD FORM CONSISTENT WITH SPECIES OR VARIETY, NOT SOFT OR FORCED, FREE FROM DISEASE OR INSECT PESTS WITH LARGE HEALTHY ROOT SYSTEMS AND NO EVIDENCE OF HAVING BEEN RESTRICTED OR DAMAGED. TREES SHALL HAVE A LEADING SHOOT. IMMEDIATELY REJECT DRIED OUT, DAMAGED OR UNHEALTHY PLANT MATERIAL BEFORE PLANTING. ALL STOCK IS TO BE CONTAINER GROWN FOR A MINIMUM OF SIX (6) MONTHS PRIOR TO DELIVERY TO SITE

FERTILISER MASS PLANTING AREAS:

FERTILISER SHALL BE 'NUTRICOTE' OR APPROVED EQUIVALENT IN GRANULE FORM INTENDED FOR SLOW RELEASE OF PLANT NUTRIENTS OVER A PERIOD OF APPROXIMATELY NINE MONTHS. THOROUGHLY MIX FERTILISER WITH PLANTING MIXTURE AT THE RECOMMENDED RATE, PRIOR TO INSTALLING PLANTS.

TURF

SHALL BE SIR WALTER BUFFALO. SHIRLEYS NO. 17 OR APPROVED EQUAL LAWN FOOD SHALL BE THOROUGHLY MIXED INTO THE TOPSOIL PRIOR TO PLACING TURF.

TREES IN GRASS AND SUPER ADVANCED TREES:

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. 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.

STAKING AND TYING

STAKES SHALL BE STRAIGHT HARDWOOD, FREE FROM KNOTS AND TWISTS, POINTED AT ONE END AND

SIZED ACCORDING TO SIZE

OF PLANTS TO BE STAKED.

A. 5-15 LITRE SIZE PLANT 1X(1200X25X25MM)

B. 35-75 LITRE SIZE PLANT 2X(1500X38X38MM)

C. 100-GREATER THAN 200LITRE 3X(1800X50X50MM)
TIES SHALL BE 50MM WIDE HESSIAN WEBBING OR APPROVED EQUIVALENT NAILED OR STAPLED TO STAKE. DRIVE STAKES A

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.

MINIMUM ONE THIRD OF THEIR LENGTH, AVOIDING DAMAGE TO THE ROOT SYSTEM, ON THE WINDWARD SIDE OF THE PLANT.

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.

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

TURF

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.

LANDSCAPE MAINTENANCE PROGRAM

MAINTENANCE SHALL MEAN THE CARE AND MAINTENANCE OF THE LANDSCAPE WORKS BY ACCEPTED HORTICULTURAL PRACTICE AS RECTIFYING ANY DEFECTS THAT BECOME APPARENT IN THE LANDSCAPE WORKS UNDER NORMAL USE. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, WATERING, MOWING, FERTILISING, RESEEDING, RETURFING, WEEDING, PEST AND DISEASE CONTROL, STAKING AND TYING, REPLANTING, CULTIVATION, PRUNING, AERATING, RENOVATING, TOP DRESSING, MAINTAINING THE SITE IN A NEAT AND TIDY CONDITION AS FOLLOWS:-

GENERA

THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE WORKS FOR THE TERM OF THE MAINTENANCE (OR PLANT ESTABLISHMENT) PERIOD TO THE SATISFACTION OF THE COUNCIL. THE LANDSCAPE CONTRACTOR SHALL ATTEND TO THE SITE ON A WEEKLY BASIS. THE MAINTENANCE PERIOD SHALL COMMENCE AT PRACTICAL COMPLETION AND CONTINUE FOR A PERIOD OF TWENTY SIX (26) WEEKS.

WATERING

GRASS, TREES AND GARDEN AREAS SHALL BE WATERED REGULARLY SO AS TO ENSURE CONTINUOUS HEALTHY GROWTH.

RUBBISH REMOVAL

DURING THE TERM OF THE MAINTENANCE PERIOD THE LANDSCAPE CONTRACTOR SHALL REMOVE RUBBISH THAT MAY OCCUR AND REOCCUR THROUGHOUT THE MAINTENANCE PERIOD. THIS WORK SHALL BE CARRIED OUT REGULARLY SO THAT AT WEEKLY INTERVALS THE AREA MAY BE OBSERVED IN A COMPLETELY CLEAN AND TIDY CONDITION.

REPLACEMENTS

THE LANDSCAPE CONTRACTOR SHALL REPLACE ALL PLANTS THAT ARE MISSING, UNHEALTHY OR DEAD AT THE LANDSCAPE CONTRACTOR'S COST. REPLACEMENTS SHALL BE OF THE SAME SIZE, QUALITY AND SPECIES AS THE PLANT THAT HAS FAILED UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. REPLACEMENTS SHALL BE MADE ON A CONTINUING BASIS NOT EXCEEDING TWO (2) WEEKS AFTER THE PLANT HAS DIED OR IS SEEN TO BE MISSING.

STAKES AND TIES

THE LANDSCAPE CONTRACTOR SHALL REPLACE OR ADJUST PLANT STAKES, AND TREE GUARDS AS NECESSARY OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. REMOVE STAKES AND TIES AT THE END OF THE MAINTENANCE PERIOD IF SO DIRECTED.

PRUNING

TREES AND SHRUBS SHALL BE PRUNED AS DIRECTED BY THE LANDSCAPE ARCHITECT. PRUNING WILL BE DIRECTED AT THE MAINTENANCE OF THE DENSE FOLIAGE OR MISCELLANEOUS PRUNING AND BENEFICIAL TO THE CONDITION OF THE PLANTS. ANY DAMAGED GROWTH SHALL BE PRUNED. ALL PRUNED MATERIAL SHALL BE REMOVED FROM THE SITE.

MULCHED SURFACES

ALL MULCHED SURFACES SHALL BE MAINTAINED IN A CLEAN AND TIDY CONDITION AND BE REINSTATED IF NECESSARY TO ENSURE THAT A DEPTH OF 75MM IS MAINTAINED. ENSURE MULCH IS KEPT CLEAR OF PLANT STEMS AT ALL TIMES.

PEST AND DISEASED CONTROL

THE LANDSCAPE CONTRACTOR SHALL SPRAY AGAINST INSECT AND FUNGUS INFESTATION WITH ALL SPRAYING TO BE CARRIED OUT IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. REPORT ALL INSTANCES OF PESTS AND DISEASES (IMMEDIATELY THAT THEY ARE DETECTED) TO THE LANDSCAPE ARCHITECT.

GRASS AND TURF AREAS

THE LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL GRASS AND TURF AREAS BY WATERING, WEEDING, DRESSING, ROLLING, MOWING, TRIMMING OR OTHER OPERATIONS AS NECESSARY. SEED AND TURF SPECIES SHALL BE THE SAME AS THE ORIGINAL SPECIFIED MIXTURE. GRASS AND TURF AREAS SHALL BE SPRAYED WITH APPROVED SELECTIVE HERBICIDE AGAINST BROAD LEAFED WEEDS AS REQUIRED BY THE LANDSCAPE ARCHITECT AND IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. GRASS AND TURF AREAS SHALL BE FERTILISED ONCE A YEAR IN AUTUMN WITH "DYNAMIC LIFTER" FOR LAWNS AT A RATE OF 20KG PER 100M2. FERTILISER SHALL BE WATERED IN IMMEDIATELY AFTER APPLICATION. IRREGULARITIES IN THE GRASS AND TURF SHALL BE WATERED IN IMMEDIATELY AFTER APPLICATION. GRASS AND TURF AREAS SHALL BE KEPT MOWN TO MAINTAIN A HEALTHY AND VIGOROUS SWARD. MOWING HEIGHT: 30-50MM.

WEED ERADICATION

ERADICATE WEEDS BY ENVIRONMENTALLY ACCEPTABLE METHODS USING A NON-RESIDUAL GLYPHOSATE HERBICIDE (EG. 'ROUNDUP') IN ANY OF ITS REGISTERED FORMULAE, AT THE RECOMMENDED MAXIMUM RATE. REGULARLY REMOVE BY HAND, WEED GROWTH THAT MAY OCCUR OR RECUR THROUGHOUT GRASSED, PLANTED AND MULCHED AREAS. REMOVE WEED GROWTH FROM AN AREA 750MM DIAMETER AROUND THE BASE OF TREES IN GRASSED AREAS. CONTINUE ERADICATION THROUGHOUT THE COURSE OF THE WORKS AND DURING THE MAINTENANCE PERIOD.

SOIL SUBSIDENCE

ANY SOIL SUBSIDENCE OR EROSION WHICH MAY OCCUR AFTER THE SOIL FILLING AND PREPARATION OPERATIONS SHALL BE MADE GOOD BY THE LANDSCAPE CONTRACTOR AT NO COST TO THE CLIENT.



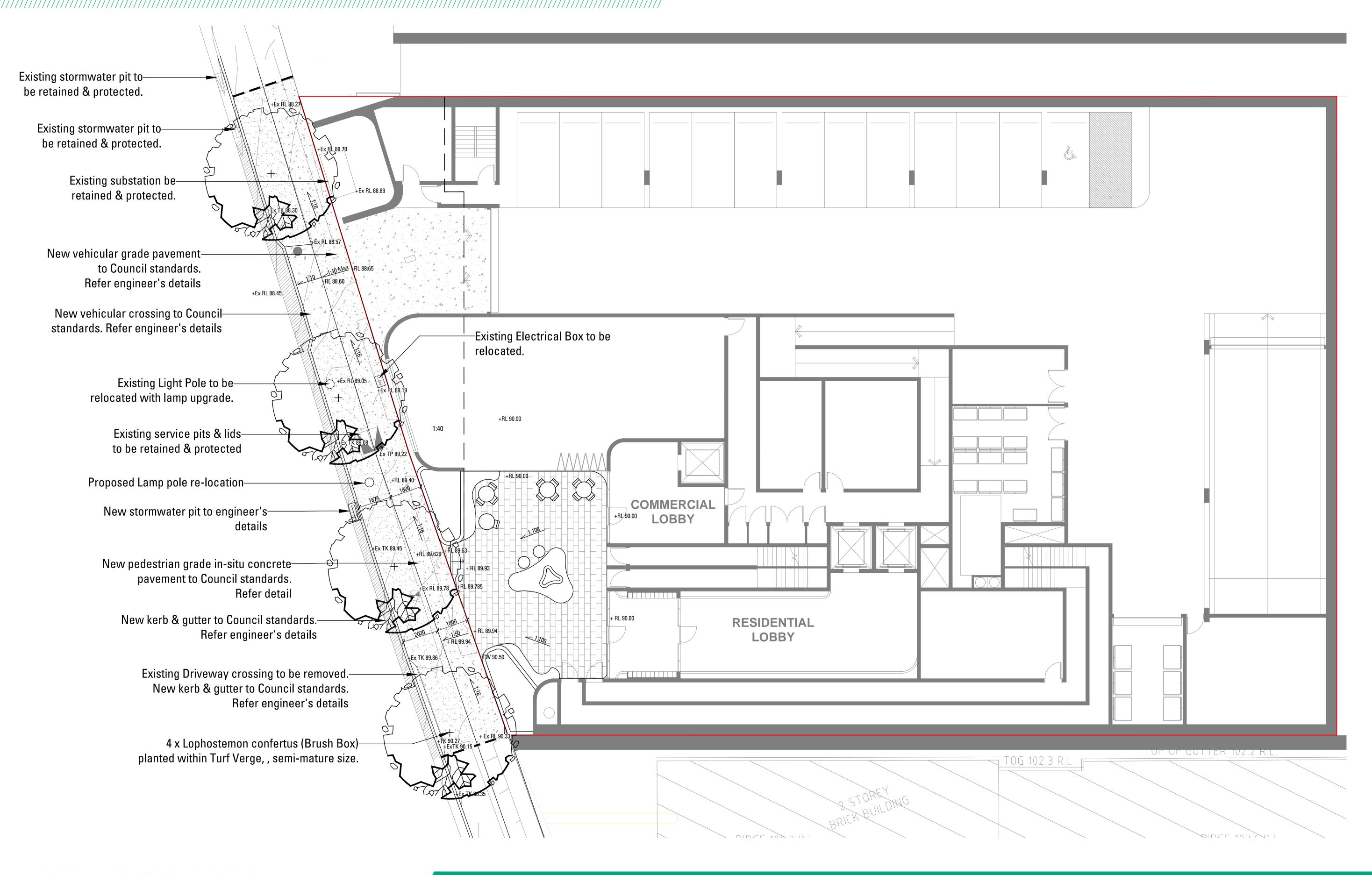
16-18 CAMBRIDGE STREET, EPPING DEVELOPMENT APPLICATION

PREPARED BY Arcadia Landscape Architecture
CLIENT Just Properties Group Pty Ltd
ARCHITECT Nettleton Tribe

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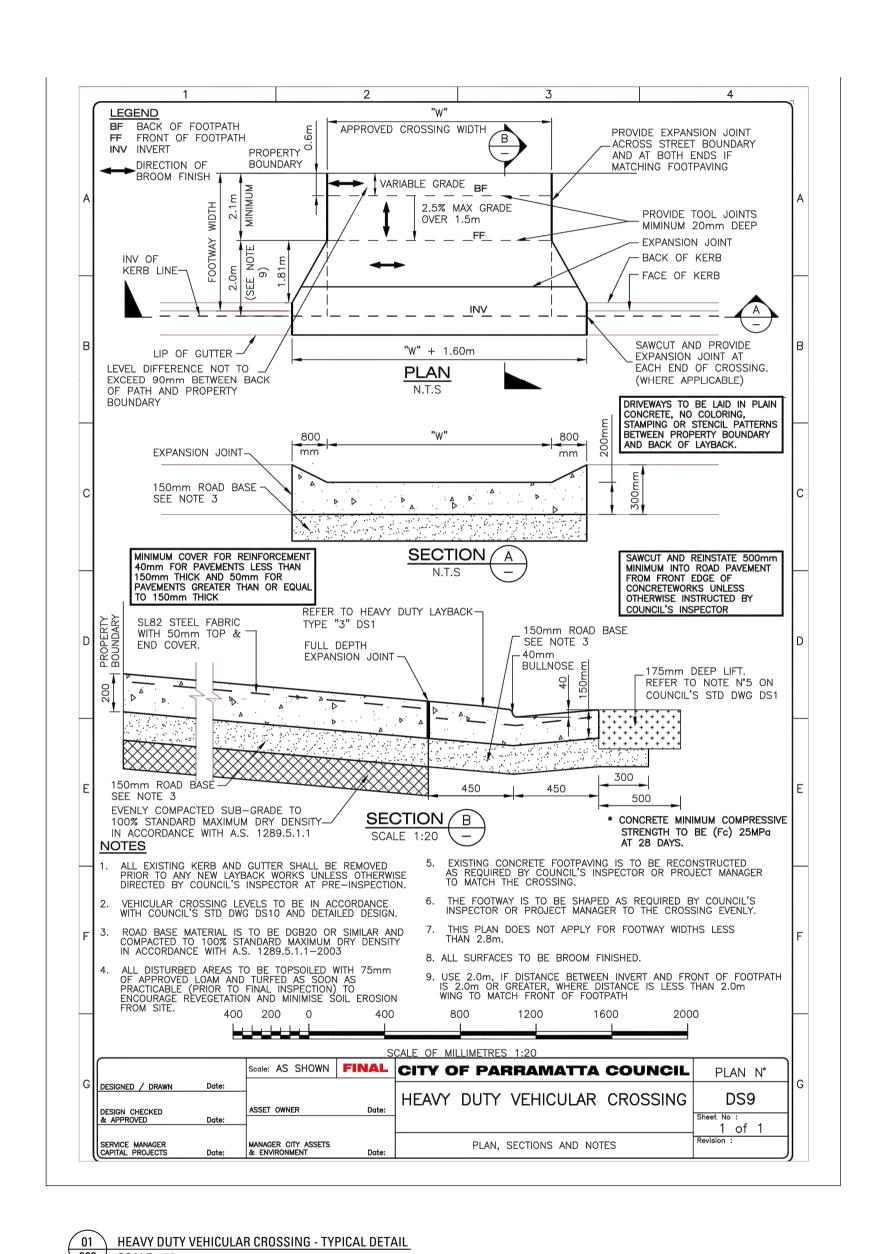
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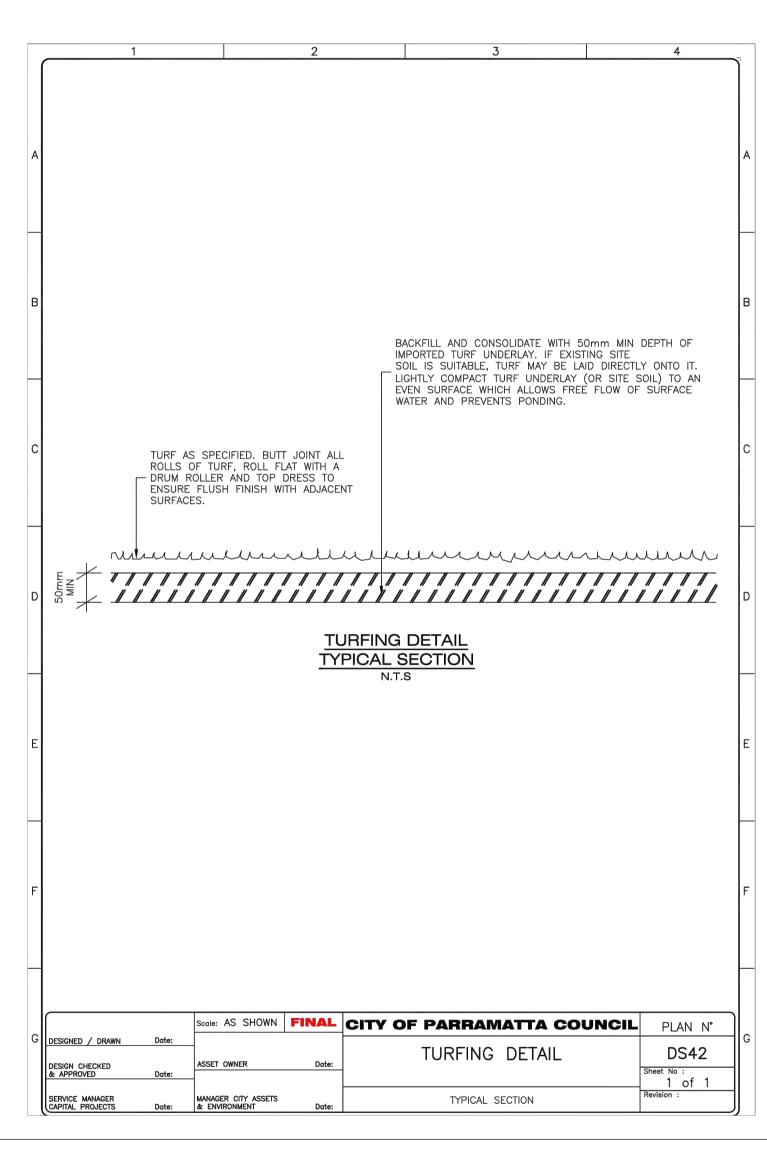


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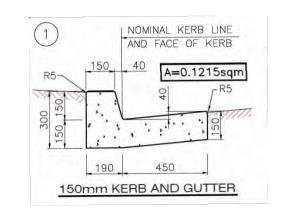




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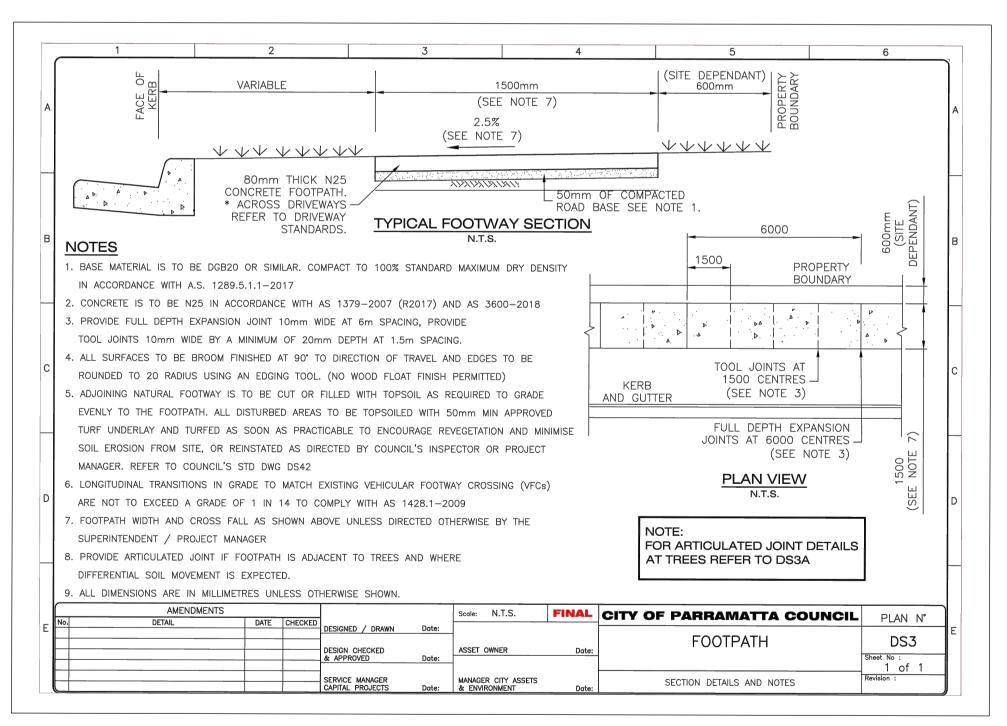
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SERVICE MANAGER CAPITAL PROJECTS Date:	MANAGER CITY ASSETS & ENVIRONMENT		SECTIO	ON DETAILS A	ND NOTES		1 of 1 Revision :		
DESIGN CHECKED & APPROVED Date:	ASSET OWNER	Date:	KERBS	AND L	AYBACKS		DS1		
DESIGNED / DRAWN Date:		1							
	Scale: 1:20 FINAL				CITY OF PARRAMATTA COUNCIL PLAN N				
			SCALE OF MILLIMETRES 1:20						
	<u> </u>								
NSPECTOR.	400	200 0	400	800	1200	1600	2000		
ROAD PAVEMENT FROM FROWORKS UNLESS OTHERWISE	9. USE CLEAN FILL AS BACKFILL MATERIAL UNLESS INSTRUCTED OTHERWISE								
4. PROVIDE SAWCUT AND R		8. ROOFWATER OUTLETS TO BE APPROVED IN ACCORDANCE WITH STANDARD DRAWING DS2							
REVEGETATION AND MINIMISE SITE.		7. ALL SURFACES TO BE STEEL TROWEL FINISHED.							
3. ALL DISTURBED AREAS T 50mm MIN OF APPROVED T TURFED AS SOON AS PRAC	TURF UNDERLAY A	AND	-AT EVERY 6m INTERVALS ALONG CONTINUOUS LENGTHS (PROVIDE A DUMMY JOINT AT EVERY 3m INTERVALS UNLESS INSTRUCTED OTHERWISE BY SUPERINTENDENT)						
PLACED BENEATH KERB & BEYOND THE EXTERNAL EDG APRONS, AND CROSSINGS.	TO BE PROVIDED AS FOLLOWS: —BETWEEN NEW AND EXISTING WORKS —BETWEEN LAYBACK WINGS AND KERB —EITHER SIDE OF ANY LINTELS								
2. ROAD BASE MATERIAL 15	6. APPROVED FULL DEPTH EXPANSION JOINTS (10mm)								
1. ROAD BASE MATERIAL IS SIMILAR AND COMPACTED TO MAXIMUM DRY DENSITY IN A AS 1289.5.1.1—2017	5. REINSTATE PAVEMENT WITH 175mm DEPTH DEEP LIFT (AC14) COMPACTED TO 95% MODIFIED (97% MAX) TO RMS SPECIFICATIONS R116 AND R117. CRACK SEAL ALL BITUMEN TO BITUMEN FACES. AC14 TO BE COMPACTED IN LAYERS. EACH LAYER TO BE OF 40-70mm THICKNESS								





04 F00TPATH - TYPICAL DETAIL NTS



16-18 CAMBRIDGE STREET, EPPING DEVELOPMENT APPLICATION

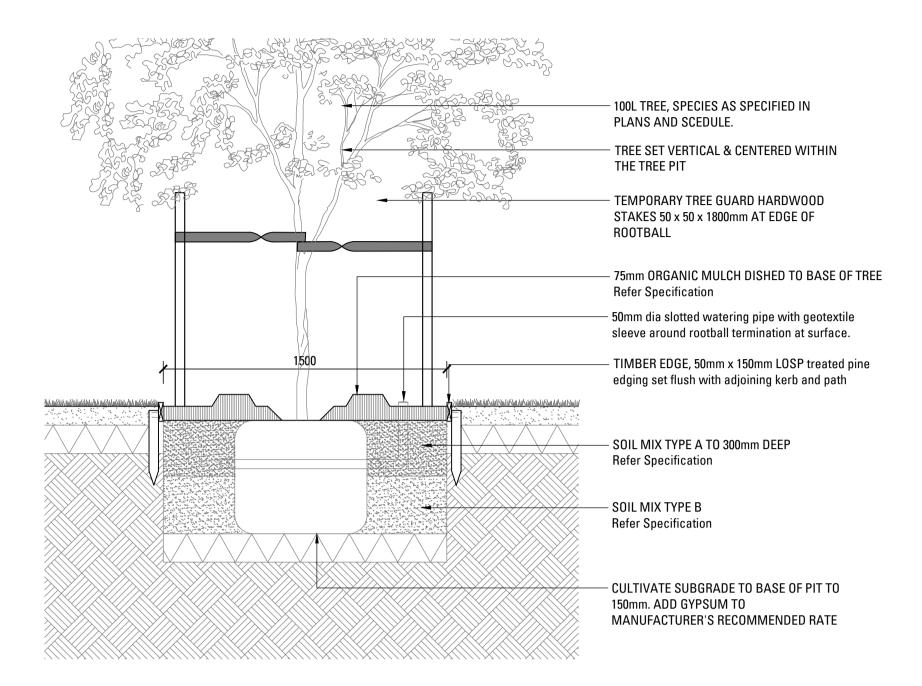


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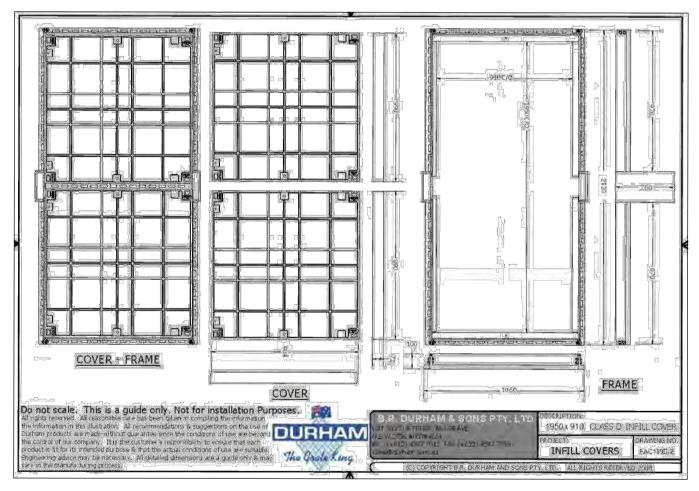
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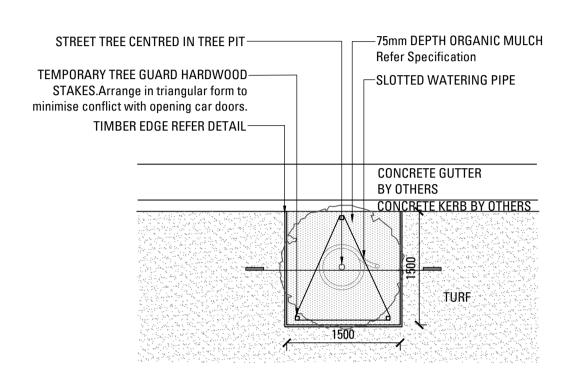
LANDSCAPE PUBLIC/DOMAIN/DETAILS







02 SERVICE PIT LID INFILL - TYPICAL DETAIL 202 NTS



02 TREE PLANTING IN GRASS VERGE - PLAN 203 SCALE 1:50



