

THIRROUL PLAZA

LANDSCAPE DA DOCUMENTATION

303-304 & 282-298 Lawrence Hargrave Dr THIRROUL, NSW 2192

Thirroul Plaza Pty. Ltd.

2020120: LANDSCAPE ARCHITECTURAL DRAWING LIST

Sheet Number	Sheet Name	Revision
LD-DA001	COVER SHEET & PLANTING SCHEDULE	2
LD-DA100	LANDSCAPE GENERAL ARRANGEMENT PLAN	4
LD-DA200	PLANTER DEPTHS AND SETDOWNS	2
LD-DA300	OUTLINE TREE PLANTING PLAN	2
LD-DA400	SITE SECTIONS 1	4
LD-DA401	SITE SECTIONS 2	4
LD-DA500	LANDSCAPE CHARACTER	2

PLANT SCHEDULE -DA GROUND FLOOR						
CODE	SPECIES	COMMON NAME	POT SIZE	EST MATURE HT	INSTALL SIZE	SPACING
TREES						
ANG cos	Angophora costata	Sydney Red Gum	100L	15m	2.5x1.0m	As Shown
EUCpun	Eucalyptus punctata	Grey Gum	100L	3.0X1.2m	2.5x1.0m	As Shown
HOW for	Howea forsteriana	Kentia Palm	100L	6-10m	2.5x1.0m	As Shown
SYNglo	Syncarpia glomulifera	Turpentine	100L	30m	2.5x1.0m	As Shown
TRlilau	Tristaniaopsis laurina 'uscious'	Water Gum	100L	6-10m	2.5x1.0m	As Shown
BAN int	Banksia integrifolia	Sweet Orange	100L	3-4m	2.2x1.0m	As Shown
BRA ace	Brachychiton acenifolius	Illawarra flame tree	400L	15m	4 x1.5m	As Shown
LAG ind	Lagerstroemia indica x L.fauriei 'Sioux'	Crepe Myrtle	200L	3-4m	2.2x1.0m	As Shown
CHA hum	Chamaerops humilis	European Fan Palm	200L	3-4m	2.2x1.0m	As Shown
DYP lut	Dyopsis lutescens	golden cane palm	100L	6-10m	2.2x1.0m	As Shown
LOP con	Lophostemon confertus	Brushbox	200L	15m	2.2x1.0m	As Shown
LIV aus	Livistona australis	Cabbage-tree palm	200L	11m	2.2x1.0m	As Shown
ELA ret	Elaeocarpus reticulatus	Blue Berry Ash	200L	3-4m	2.2x1.0m	As Shown
CUP ana	Cupaniopsis anacardioides	Tuckeroo	100L	6-10m	2.2x1.0m	As Shown
MAG gra	Magnolia grandiflora Little Gem	Little Gem	200L	3-4m	2.2x1.0m	As Shown
SYZ smi	Syzygium smithii	Lilly Pilly	100L	3-4m	2.2x1.0m	As Shown
SHRUBS						
BAN spi	Banksia spinulosa	Hairpin Banksia	300mm	2m	300mm	As shown
BAN rob	Banksia robur	Swamp Banksia	300mm	3-4m	300mm	As shown
CAL lin	Callistemon linearis	Narrow Leaf Bottlebrush	300mm	1-2m	300mm	As shown
DOR exc	Doryanthes excelsa	gynea lily.	300mm	3-4m	300mm	As shown
LEP par	Leptospermum parvifolium	Small Leaf Tea Tree	300mm	1.5m	300mm	As shown
ACM sm	Acmerna smithii	Hinterland Gold	300mm	1m	300mm	As Shown
WES fru	Westringia fruticosa 'Grey Box' WES04	Coastal Rosemary	300mm	1	300mm	As Shown
BAN mar	Banksia marginata	Silver Banksia	300mm	450mm	300mm	As Shown
BAN spi	Banksia spinulosa	Hairpin Banksia	300mm	450mm	300mm	As Shown
BAN rob	Banksia robur	Swamp Banksia	300mm	450mm	300mm	As Shown
BUR spi	Bursaria spinosa	Sweet Bursaria	200mm	450mm	300mm	As Shown
CAL lin	Callistemon linearis	Narrow Leaf Bottlebrush	150mm	450mm	300mm	As Shown
COR ref	Correa reflexa	Correa	150mm	450mm	300mm	As Shown
DOD tri	Dodonaea triquetra	Hop Bush	200mm	450mm	300mm	As Shown
GRE ser	Grevillea sericea	Spider Flower	200mm	450mm	300mm	As Shown
GRASSES						
CARapp	Carex appressa	Carex	150mm	0.5m	200mm	3 per m2
JUNusi	Juncus usitatus	Common Rush	150mm	0.5m	200mm	3 per m2
LOM ton	Lomandra longifolia'LM400	Matt Rush	150mm	60cm x 60cm	200mm	3 per m2
POA lab	Poa labillardieri 'Eskdale'	Tussock Grass	150mm	60cm x 60cm	200mm	3 per m2
PEN naf	Pennisetum alopecuroides 'Nafray'	Foxtail Grass	150mm	60cm x 60cm	200mm	3 per m2
DIA cae	Dianella caerulea	Blue Flax Lily	150mm	0.5m	200mm	3 per m2
LOM tan	Lomandra tanika	Spiny Mat Rush	150mm	1.2m	200mm	3 per m2
CLIMBERS + GROUNDCOVERS						
CAR gla	Carpobrotus glaucescens 'CAR10'	Aussie Rambler	150mm	200mm	100mm	3 per m2
HIB sca	Hibbertia scandens	Guinea Flower	150mm	0.5m	100mm	3 per m2
GAZ torn	Double Gold™ Gazania hybrid 'GT20'	Gazania	150mm	200mm	100mm	4 per m2
MYO par	Myoporum parvifolium 'Yareena'	Creeping boobialla	150mm	200mm	100mm	4 per m2
ACCENTS + SUCCULENTS						
	Beschorneria yuccoides	Mexican Lily	200mm	1m	300mm	As Shown
PHO ten	Phormium tenax 'Sweet Mist'	Sweet Mist	150mm	0.4m	100mm	As Shown
YUC ela	Yucca elaphantipes	Aloe Yucca	300mm	2m	300mm	As Shown
CLIMBERS + GROUNDCOVERS						
CAR gla	Carpobrotus glaucescens 'CAR10'	Aussie Rambler	150mm	200mm	100mm	3 per l/m
CAS gla	Casuarina glauca 'Cousin It'	Cousin It	150mm	150mm	100mm	3 per l/m
	Gazania hybrid 'Double Gold' GT20	Gazania	150mm	150mm	100mm	3 per m2
MYO par	Myoporum parvifolium 'Yareena'	Creeping boobialla	150mm	spread x 0.1r	100mm	3 per l/m
PYR ven	Pyrostegia venusta	Orange Trumpet Vine	150mm	200mm	100mm	3 per m2
SEN ser	Senecio serpens	Blue Chalk Stick	150mm	300mm	100mm	3 per l/m
DIC rep	Trachelospermum jasminoides	Star Jasmine	150mm	150-200mm	100mm	3 per l/m

PLANTING NUMBERS AND SCHEDULES FOR DA
PURPOSES - SUBJECT TO DESIGN DEVELOPMENT

LANDFORMSTUDIOS

401- 11A Lachlan St , Waterloo NSW 2017 Australia
charlierobinson.la@gmail.com 04057571831

[Project] 303-304 & 282-298 Lawrence Hargrave Dr THIRROUL, NSW 2192
[Client] Thirroul Plaza Pty. Ltd.

COVER PAGE & DESIGN STATEMENT

[Ref] 2020120 [Dwg No] LD DA001 2



SITE REFERENCE - NTS

LANDSCAPE DA DESIGN STATEMENT

Landscape Objectives/ Principles

Objectives:

- to increase the number of indigenous species planted in the Wollongong region
- 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 Wollongong DCP Establish a visually and environmentally sensitive landscape, complimentary to the architectural vision and greater urban setting, while providing high quality private spaces for residents and visitors.
- Provide new tree planting that ameliorates the building scale and offers environmental benefit through micro climate.
- Create a garden terrace with both integrated seating areas
- Integrate CEPTED principles through careful planning and consideration to the public domain edges.

Design Statement

The landscape design for the site incorporates water sensitive design principles and environmentally sensitive design such as a WSUD swale to create a low maintenance, environmentally sensitive landscape that has a distinctive tree canopy with diverse low shrub groundcover under with lawn expanses. The Landscape planting for the site will have a extensive native canopy and compliment the existing Wollongong DCP planting list. The Landscape planting for the site will have a minimum of 75% of indigenous / water sensitive planting species.

The ground floor landscape provides an attractive setting for the proposed architecture , through the planting of mass groundcover's and ornamental grasses for the occupants to enjoy. All year round interest is provided through the proposed plantings , providing strong forms and contrasting colours. The streetscape intreface is visually enhanced through the planting of native species to tie in with existing street trees.

Screening planting of hedges are provided to soften the building interface and screen the edges of the site.

The garden terrace consists of a outdoor area for the visitors to enjoy, Lounge decks and seating spaces are also provided

For deep soil calculations - refer to architectural design report

NOTE:

- DO NOT SCALE FROM DRAWINGS. WRITTEN DIMENSIONS GOVERN. IF IN DOUBT OBTAIN WRITTEN ADVICE FROM LANDFORM OR WHERE APPLICABLE VIA THE PRINCIPAL'S REPRESENTATIVE.
- 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 ARCHITECTURAL 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

- LEGEND:
- Site Boundary
 - Basement Extents
 - Existing tree to be retained and protected (Significant Trees Numbered as per Arborists Report)
 - Tree Protection Zone - Refer to Arborists Report
 - Trees exempt and removed - Refer to Arborists Report
 - Tree transplanted - Refer to Arborists Report
 - Existing levels: refer to site survey
 - Proposed nominal design levels: refer to engineers drawings
 - Proposed trees - refer to planting schedule
 - Proposed planting - refer to planting schedule
 - RPA Raised planter area - Planter Depths to ADG standards
 - TU Turf - kikuyu
 - P1 Paving type 1: Public domain paving in accordance WCC standards
 - P2 Paving Type 2: Segmented Pavers to COS
 - P3 Paving Type3 : Segmented Pavers to feature areas
 - TD Hardwood timber decking
 - SC Sculptural / wayfinding installation
 - W1 Wall Type 1: max 450mm high Insitu concrete wall
 - S1 Edge Type 1 - minimum 400mm high Corten Steel edging
 - F1 Fence Type 1: Boundary fence. Refer to architects drawings
 - SG Wayfinding Signage
 - SW Seating Wall
 - SE Seating - to WCC standards
 - BN Bin - to WCC standards
 - TG Tree grill - to WCC standards
 - BR Bike Racks - to WCC standards

ALL PUBLIC DOMAIN WORKS IN ACCORDANCE WITH WCC PUBLIC DOMAIN STANDARDS

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

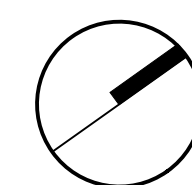
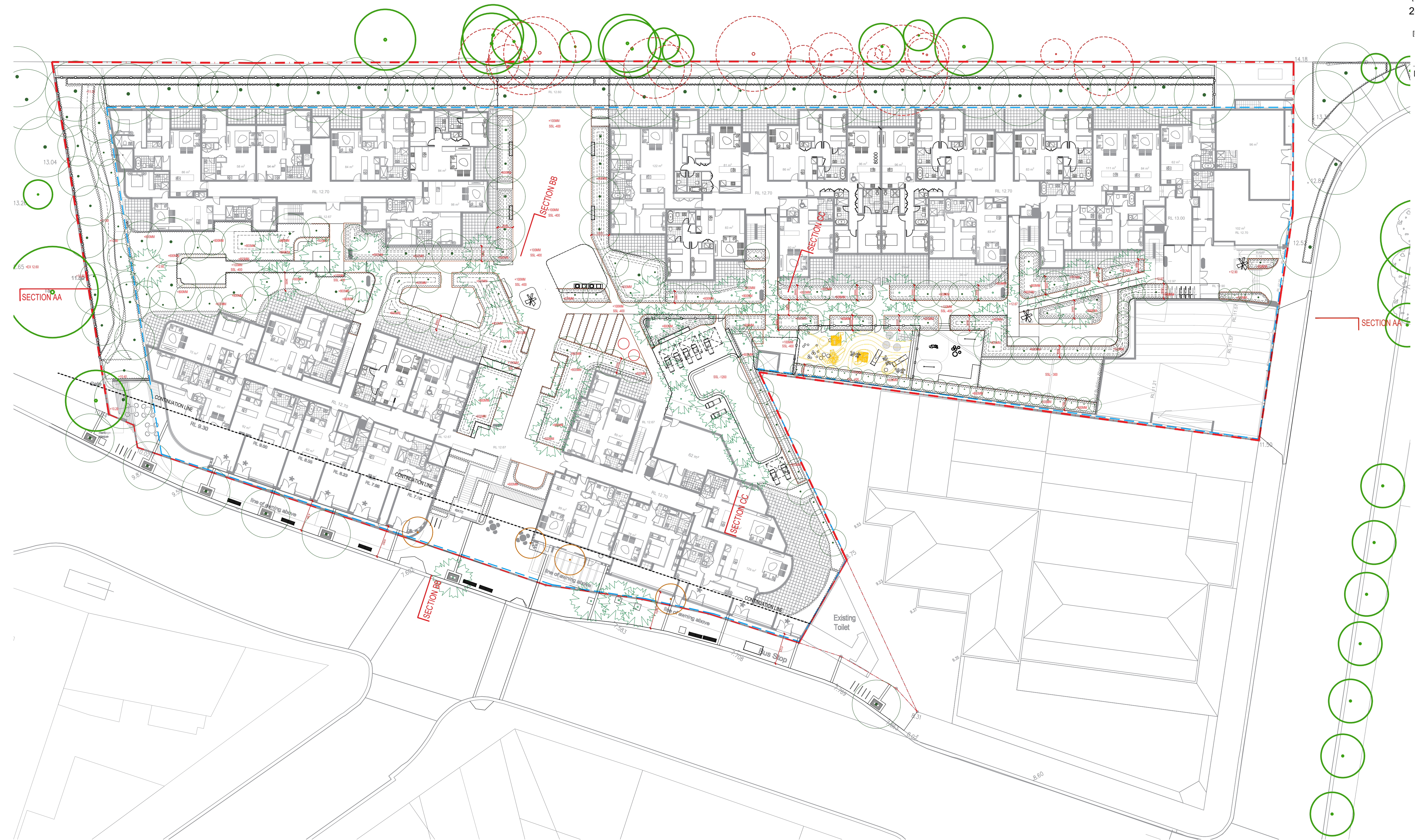
All trees to be retained and are subject to tree protection & management in accordance with relevant Australian standards.

External Lighting and electrical : refer to engineers details.

Contractor to protect all landscape works during construction including but not exclusive to existing verge.

Levels general : contractor to ensure positive drainage to all pavements, turf and planter areas, install subsoil drainage to planter areas as required.

[Rev#]	[Description]	[Date]
1	SECTION 34	11.11.2021
2	SECTION 34	09.03.2022



[Rev#]	[Description]	[Date]
1	SECTION 34	11.11.2021
2	SECTION 34	09.03.2022

LEGEND:

- Site Boundary
- Basement Extents
- Existing tree to be retained and protected (Significant Trees Numbered as per Arborists Report)
- Tree Protection Zone - Refer to Arborists Report
- Tree removed - Refer to Arborists Report
- Tree transplanted - Refer to Arborists Report
- Existing levels: refer to site survey
- Proposed nominal design levels: refer to engineers drawings
- Proposed trees - refer to planting schedule
- Proposed planting - refer to planting schedule
- RPA Raised planter area - Planter Depths to ADG standards

