

Merrylands Site C

228 Pitt Street Merrylands

NSW 2160

Section 4.55 Landscape Drawings

DRAWINGS

DWG NO.	DRAWING TITLE	SCALE	ISSUE
000	COVER SHEET / PLANT SCHEDULE		E
C100	LANDSCAPE COLOUR PLAN - Composite	1:200	E
100	LANDSCAPE PLAN - Composite	1:200	E
101	LANDSCAPE PLAN - Ground Floor Central Courtyard	1:100	E
102	LANDSCAPE PLAN - Building B Level 10 Roof Terrace & Building C Level 4 Roof Terrace	1:100	E
103	LANDSCAPE PLAN - Building A Level 20 Roof Terrace	1:100	E
401.1	LANDSCAPE PLANTING PLAN - Streetscape	1:200	E
401	LANDSCAPE PLANTING PLAN - Ground Floor Central Courtyard	1:100	E
402	LANDSCAPE PLANTING PLAN - Building B Level 10 Roof Terrace & Building C Level 4 Roof Terrace	1:100	E
403	LANDSCAPE PLANTING PLAN - Building A Level 20 Roof Terrace	1:100	E
501	LANDSCAPE DETAILS / SPECIFICATION	AS SHOWN	E

PLANT SCHEDULE

Symbol	Botanic Name	Common Name	Mature Height (m)	Mature Width	Pot Size	Quantity
Trees						
Ap	Acer palmatum	Japanese Maple	6	3	100L	8
Ca	Cupaniopsis anacardioides	Tuckeroo	8	4	100L	14
Cm	Corymbia maculata	Spotted Gum	20	10	100L	7
Er	Elaeocarpus reticulatus	Blueberry Ash	12	5	100L	4
Jm	Jacaranda mimosifolia	Jacaranda	20	10	100L	6
LiN	Lagerstroemia indica 'Natchez"	Crepe Myrtle (White)	8	6	100L	7
Pa	Platanus x acerifolia	London Plane Tree	20	10	100L	6
MLG	Magnolia grandiflora Little Gem	Little Gem Magnolia	5	3	100L	17
Md	Melaleuca decora	White Feathered Honeymyrtle	6	3	100L	2
TI	Tristaniopsis laurina	Water Gum	9	5	100L	4
Wfl	Waterhousea floribunda	Weeping Lilly Pilly	10	8	100L	6
Shrubs						
Ag	Abelia X grandiflora	Abelia	2.0	2.0	300mm	61
AsM	Acmena smithii 'Minor'	Dwarf Lillypilly	2.0	2.0	300mm	42
Bm	Buxus microphylla Japonica	Japanese Box	1.2	1.2	300mm	116
CLJ	Callistemon viminalis Little John	Little John Bottlebrush	0.8	0.8	300mm	129
Dv	Dodonea viscosa	Hop Bush	2.0	1.5	300mm	12
Ld	Lavandula dentata	French Lavender	1.5	1.0	300mm	60
Mp	Murraya paniculata	Orange Jasmine	3.0	2.0	300mm	113
Re	Rhapis excelsa	Rhapis Palm	4.0	2.0	300mm	24
ROP	Raphiolepis indica 'Oriental Pearl'	Oriental Pearl Indian Hawthorn	1.0	1.0	300mm	138
RSM	Rhaphiolepis indica 'Snow Maiden'	Indian Hawthorn	1.0	0.5	300mm	83
SC	Syzygium Cascade	Pink Flowering Lilly Pilly	2.5	1.5	300mm	66
STT	Syzygium Tiny Trev	Tiny Trev Lillypilly	0.8	0.8	300mm	136
Wf	Westringia fruticosa	Coastal Rosemary	2.0	1.5	300mm	60
BGW	Blue Gem™ Westringia 'WES03'		1.5	1.2	300mm	254
Vt	Viburnum tinus	Laurestinus	3.0	2.0	300mm	40
Accents						
Aat	Agave attenuata	Century Plant	1.0	1.0	300mm	37
Aa	Asplenium australasicum	Bird's Nest Fern	1.0	1.0	300mm	62
Bg	Blechnum gibbum	Dwarf Tree Fern	0.8	1.2	200mm	17
Cr	Cycas revoluta	Japanese Sago	2.0	2.0	300mm	17
Sr	Strelitzia reginae	Bird of Paradise	1.0	1.5	300mm	57
Grasses and Groudcovers						
Cg	Carpbrotus glaucescens	Pig Face	0.2	1	150mm	14176
Cmi	Clivia miniata	Kaffir Lily	0.5	0.5	150mm	66
DC	Dianella caerulea	Paroo Lily	0.6	0.6	150mm	209
Hs	Hibbertia scandens	Snake Vine	0.15	2	150mm	105
LJR	Lirope muscari 'Just Right'	Lirope	0.6	0.5	150mm	249
LSL	Liriope muscari 'Silverlawn'	Silerlawn Liriope	0.3	0.4	150mm	81
LN	Lomandra 'Nyalla'	Nyalla Mat Rush	0.8	0.8	150mm	64
Lt	Lomandra 'Tanika'	Tanika	0.6	0.65	150mm	926
Mc	Muehlenbeckia complexa	Wire Vine	0.15	1.5	150mm	0
Mpa	Myoporum parvifolium	Creeping Boobialia	0.15	0.8	150mm	146
PE	Poa 'Eskdale'	Eskdale Tussock Grass	0.8	0.5	150mm	39
Tj	Trachelospermum jasminoides	Star Jasmine	0.1	7	150mm	285
Vh	Viola hederacea	Native Violet	0.1	0.3	150mm	48
Vm	Vinca minor	Dwarf Periwinkle	0.15	0.9	150mm	9

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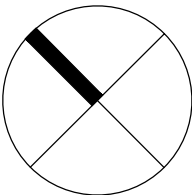
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E	Levels updated	PH	RS	13.09.2022
D	Council RFI updated planting labels, soil depth	PH	RS	07.09.2022
C	OSD, Pits Location updated	PH	RS	01.06.2022
B	S4.55	PH	RS	18.05.2022
A	S4.55	PH	RS	20.04.2022
Issue	Revision Description	Drawn	Check	Date

LEGEND

Key Plan:



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Client:
ALand

Project:
**228 Pitt Street Merrylands
NSW 2160**

Drawing Name:
**Landscape Coversheet
/ Plant Schedule**

SECTION 4.55

Scale:
Job Number:
SS22-4883

Drawing Number:
000

Issue:
E

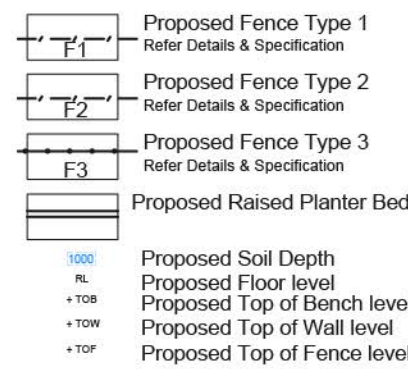
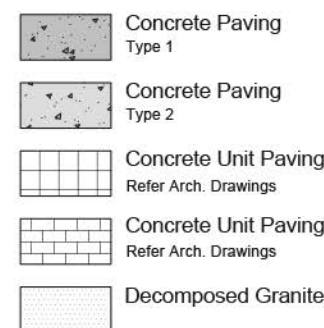
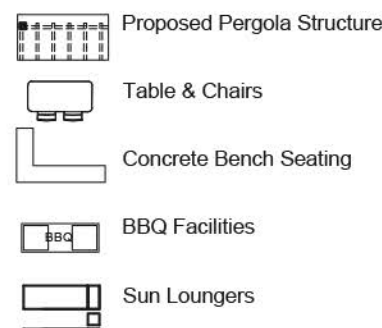
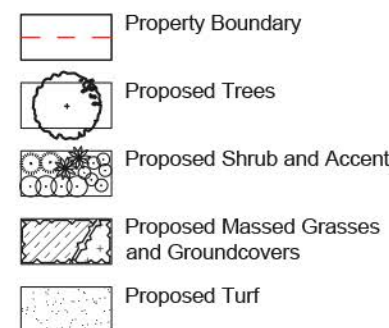
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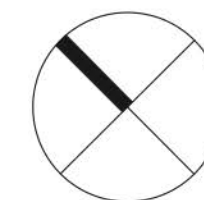
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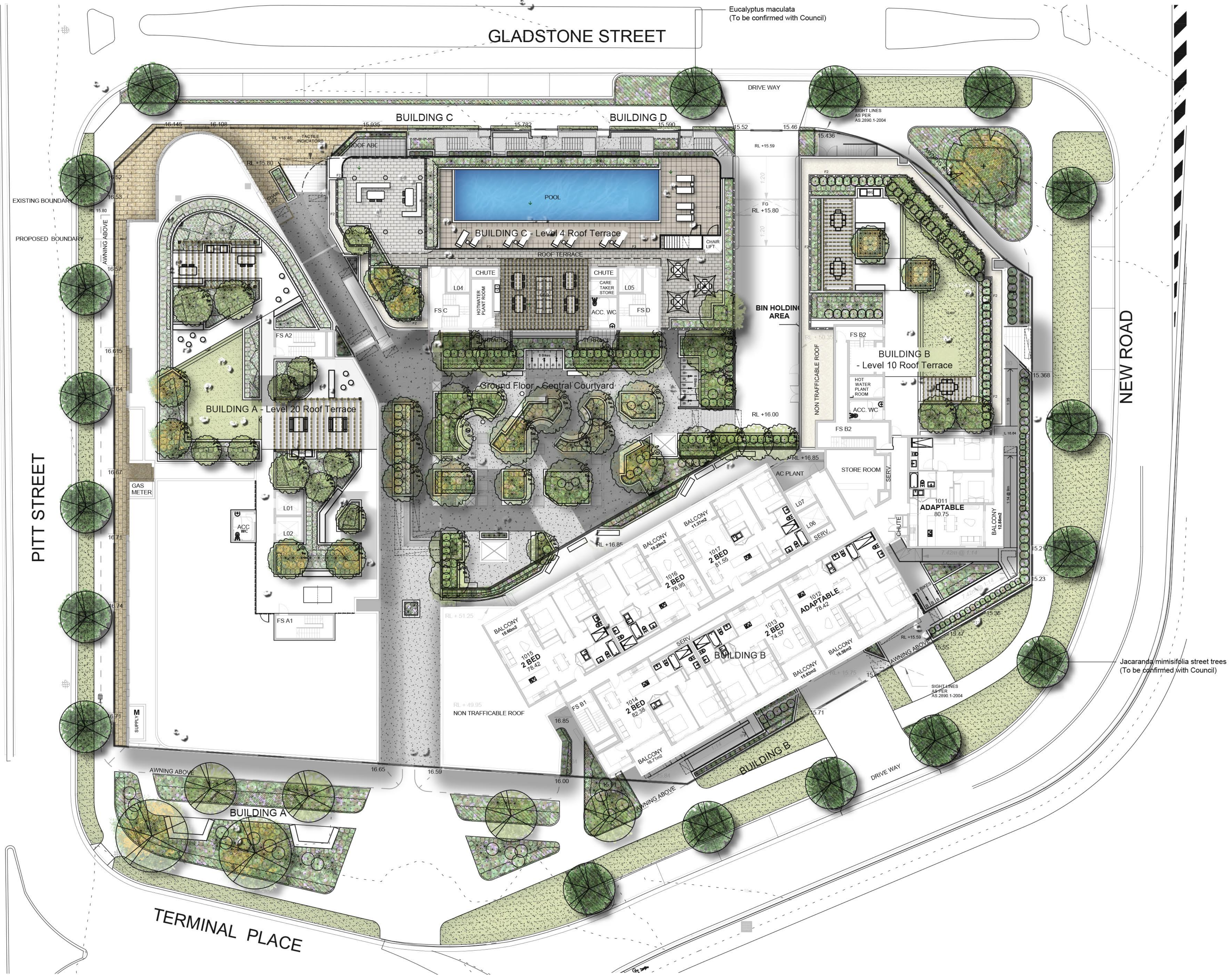
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NSW 2160

Drawing Name:
Landscape Colour Plan
- Composite

Scale: 1:200 @ A1
Job Number:
SS22-4883

SECTION 4.55

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C100 E



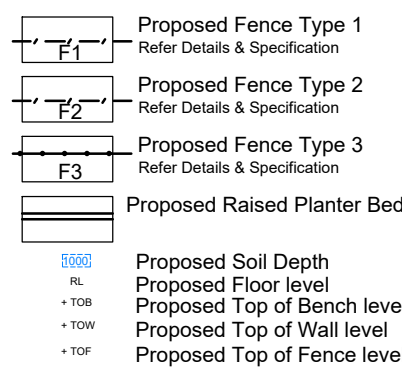
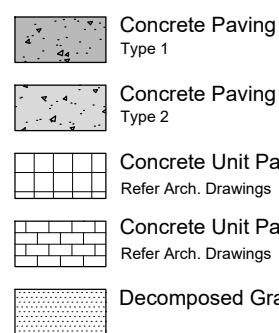
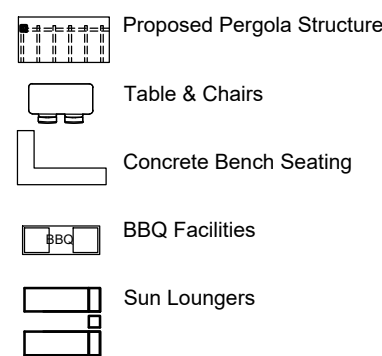
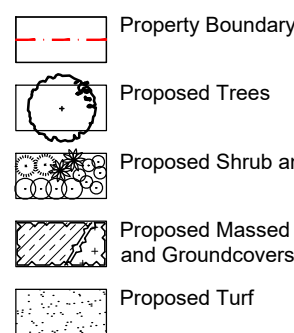
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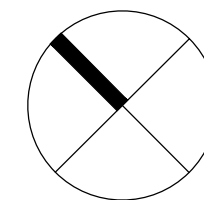
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LEGEND



Key Plan:



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Project:
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NSW 2160**

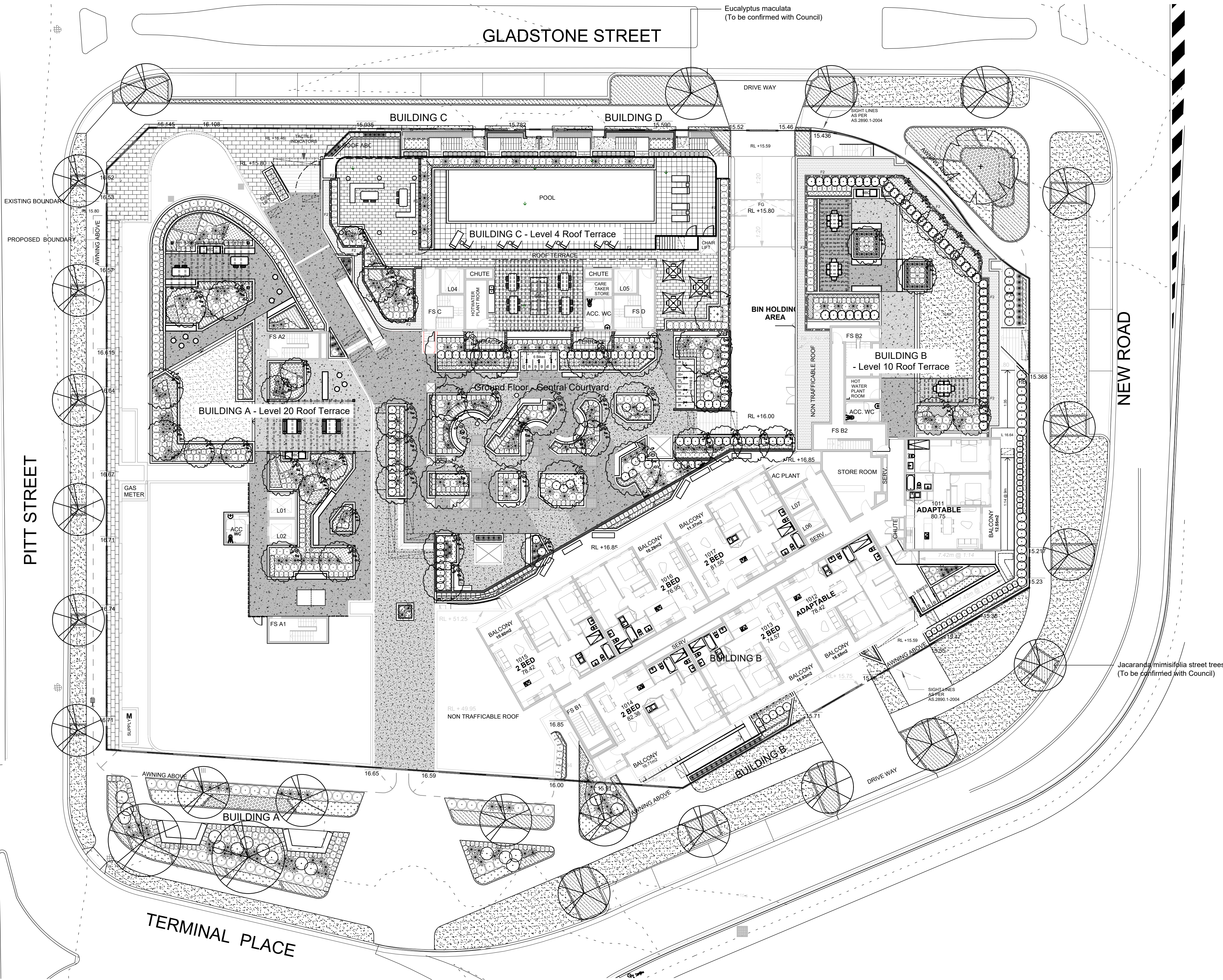
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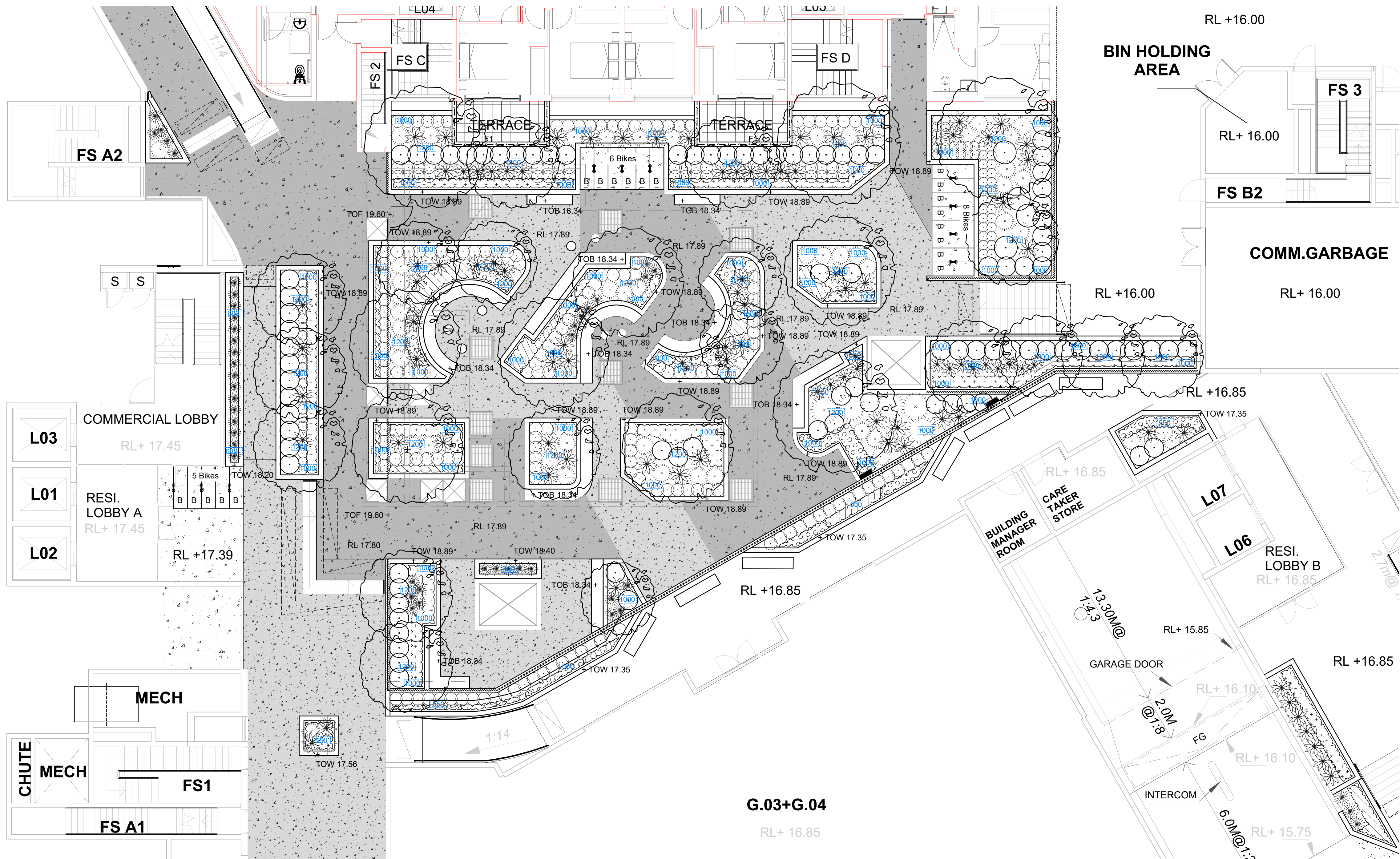
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SECTION 4.55

0 1 2 4 6 10m
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Issue:

100 E





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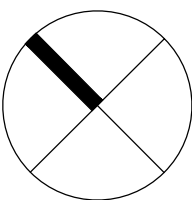
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A	S4.55	PH	RS	20.04.2022

LEGEND	
	Property Boundary
	Proposed Trees
	Proposed Shrub and Accent
	Proposed Massed Grasses and Groundcovers
	Proposed Turf
	Proposed Pergola Structure
	Table & Chairs
	Concrete Bench Seating
	BBQ Facilities
	Sun Loungers
	Concrete Paving Type 1
	Concrete Paving Type 2
	Concrete Unit Paving
	Concrete Unit Paving
	Decomposed Granite
	Proposed Fence Type 1 Refer Details & Specification
	Proposed Fence Type 2 Refer Details & Specification
	Proposed Fence Type 3 Refer Details & Specification
	Proposed Raised Planter Bed
	Proposed Soil Depth
	Proposed Floor level
	Proposed Top of Bench level
	Proposed Top of Wall level

Key Plan:

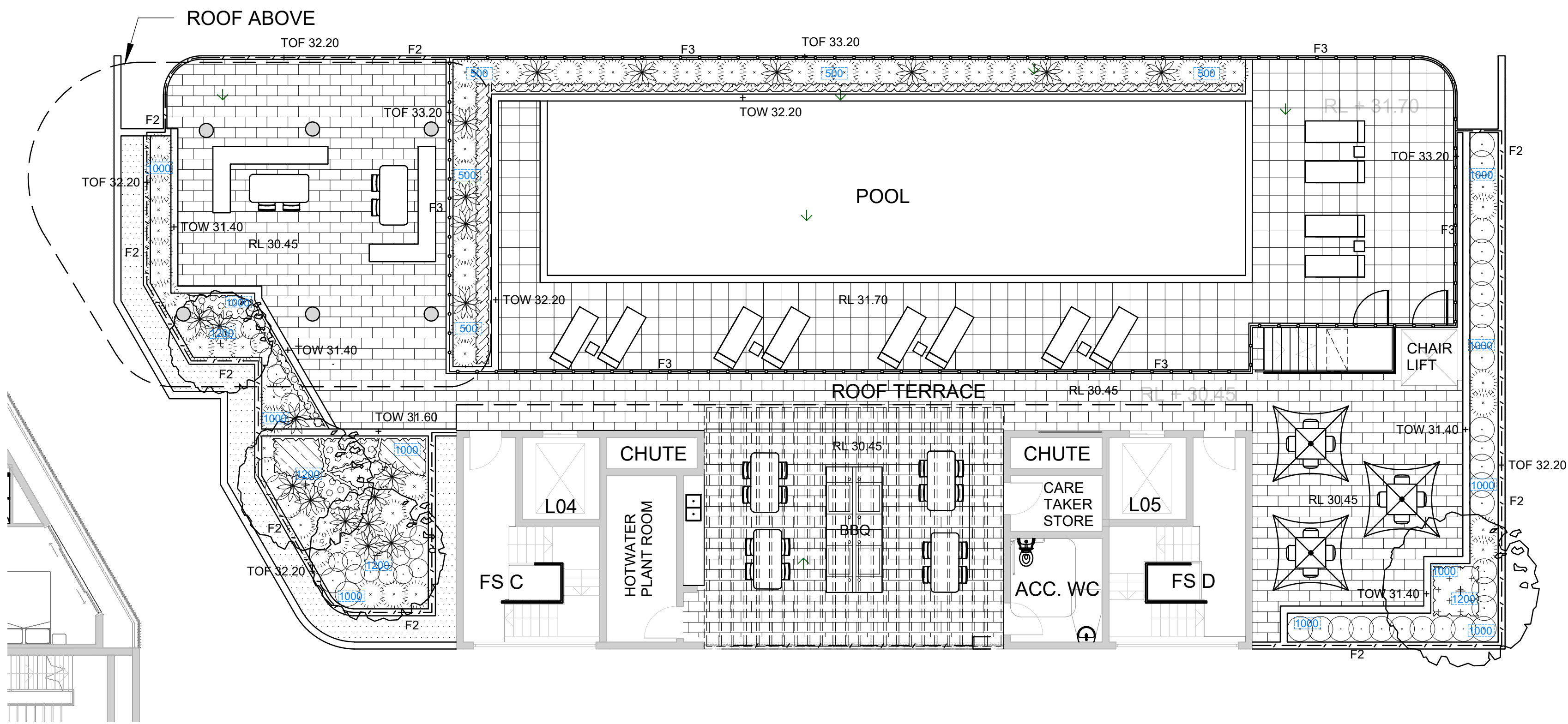


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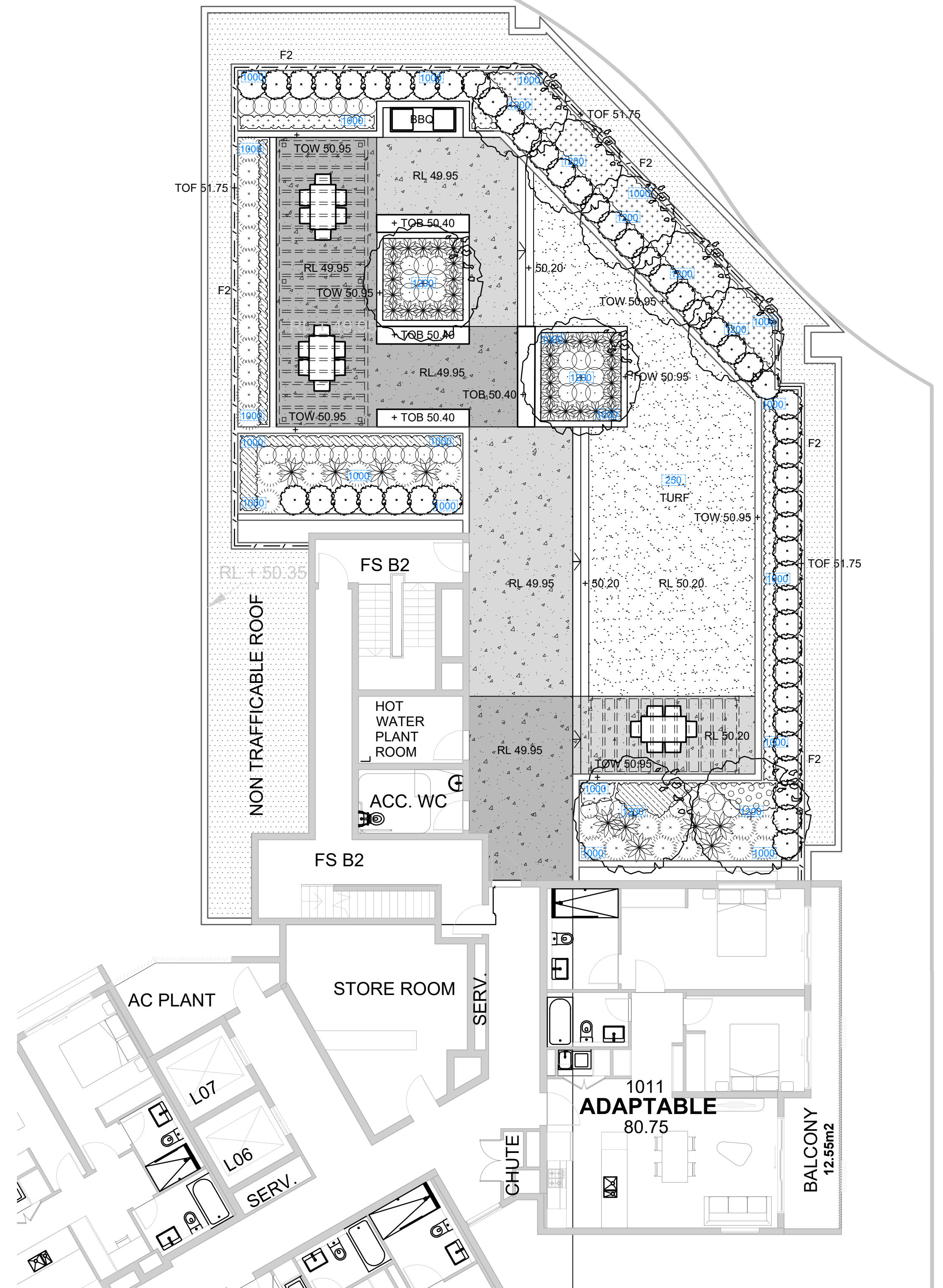
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ALand
Project:
**228 Pitt Street Merrylands
NSW 2160**

Drawing Name:
**Landscape Plan
- Ground Floor Central Courtyard**

SECTION 4.55
Scale: 1:100 @ A1
Job Number:
SS22-4883
Drawing Number:
101
Issue:
E



1 Building C Level 4 Roof Terrace
1:100



2 Building B Level 10 Roof Terrace
1:100

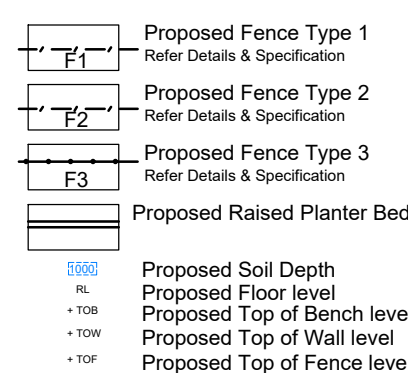
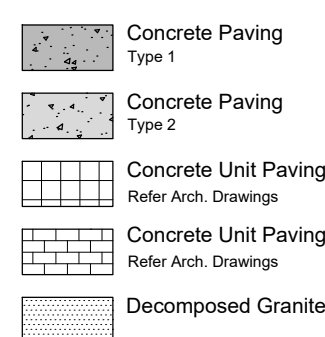
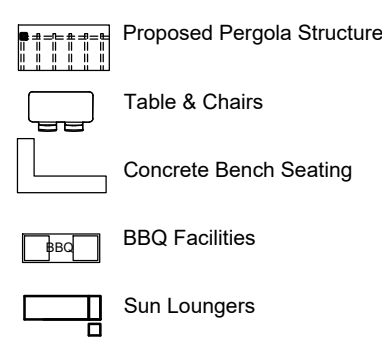
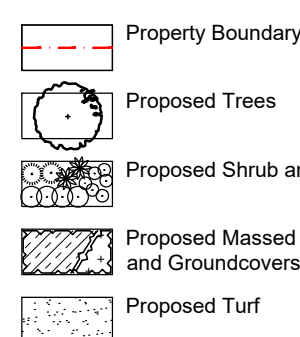
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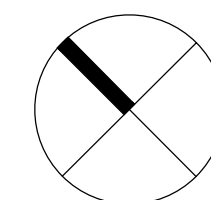
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A	S4.55	PH	RS	20.04.2022

LEGEND



Key Plan:



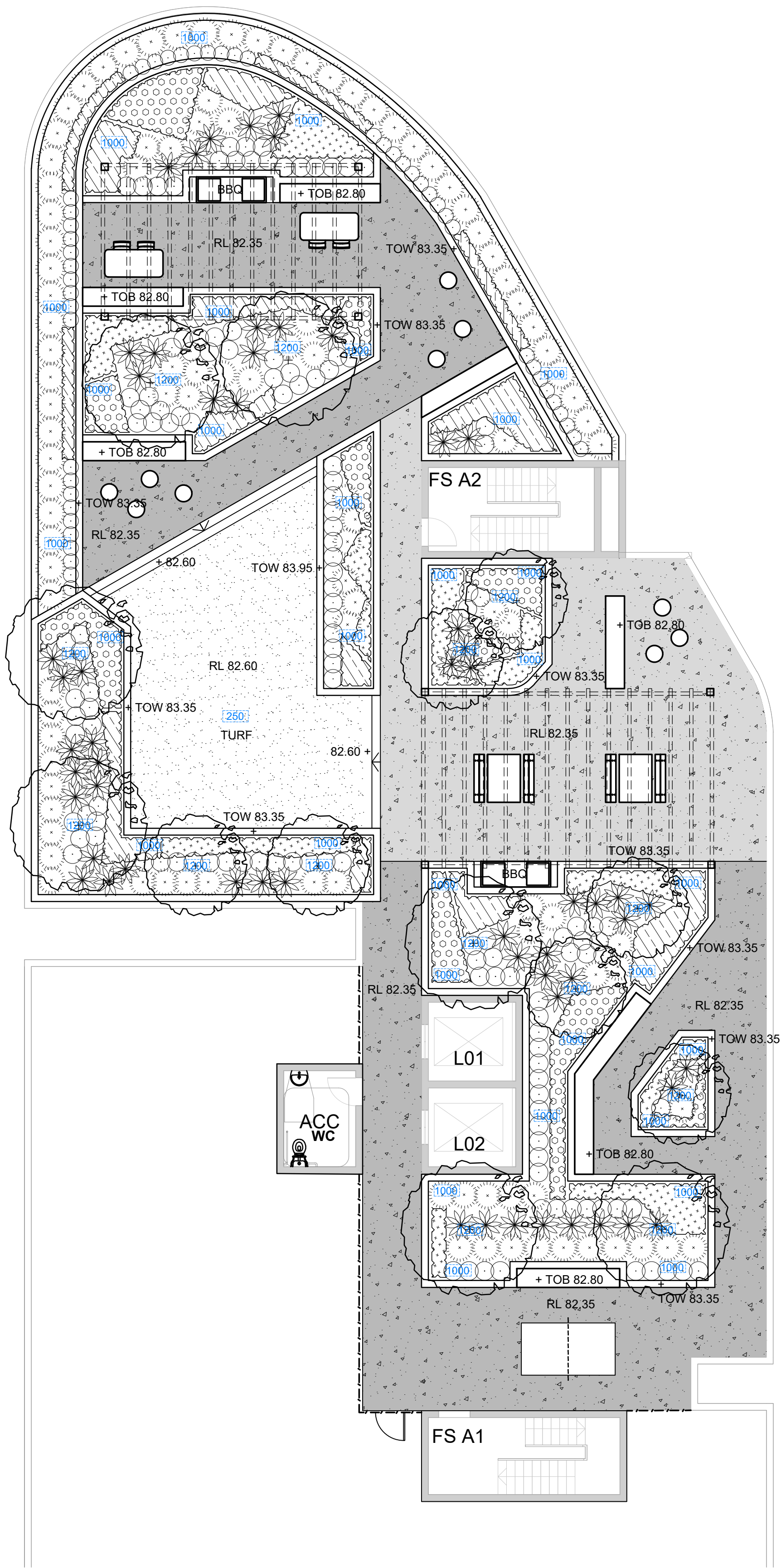
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Client:
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Project:
**228 Pitt Street Merrylands
NSW 2160**

Drawing Name:
**Landscape Plan
- Building C Level 4 Roof Terrace
& Building B Level 10 Roof Terrace**

SECTION 4.55
Scale: 1:100 @ A1
Job Number:
SS22-4883
Drawing Number:
102
Issue:
E



1 Building A Level 20 Roof Terrace
1:100

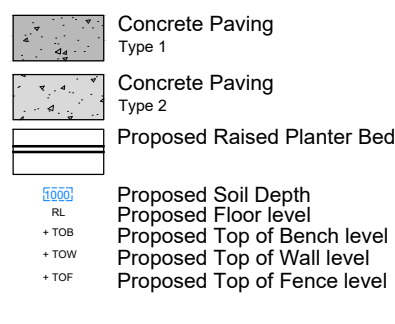
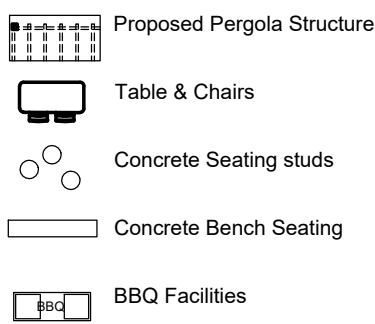
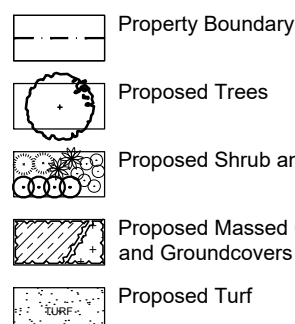
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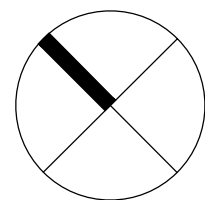
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Issue	Revision Description	Drawn	Check	Date

LEGEND



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Client:
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Project:
**228 Pitt Street Merrylands
NSW 2160**

Drawing Name:
**Landscape Plan
- Building A Level 20 Roof Terrace**

Scale: 1:100 @ A1
Job Number:
SS22-4883

SECTION 4.55
Drawing Number: 103
Issue: E

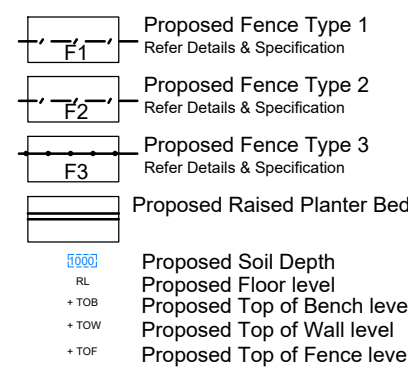
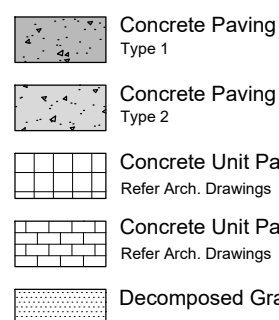
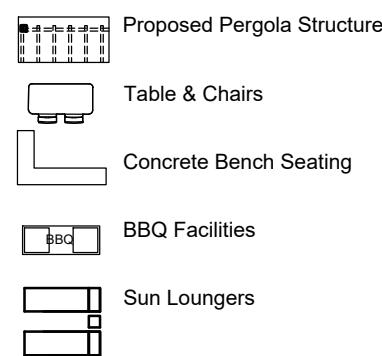
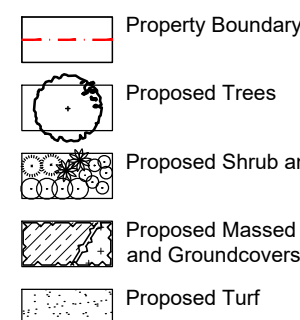
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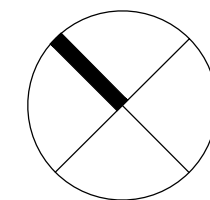
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LEGEND



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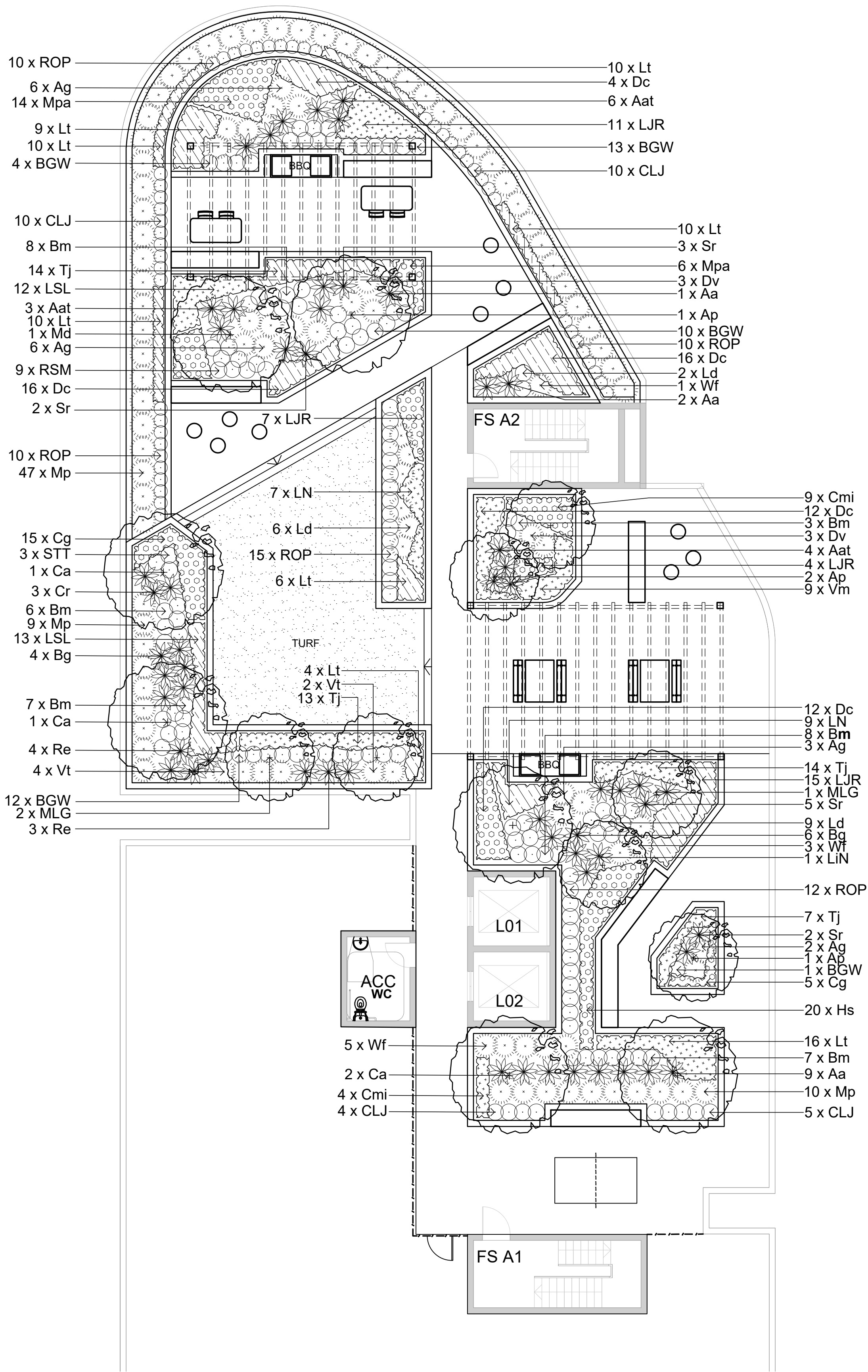
Project:
**228 Pitt Street Merrylands
NSW 2160**

Drawing Name:
**Landscape Planting Plan
- Streetscape**

Scale: 1:200 @ A1
Job Number:
SS22-4883

SECTION 4.55

Drawing Number:
401.1
Issue:
E



1 Building A Level 19 Roof Terrace
1:100

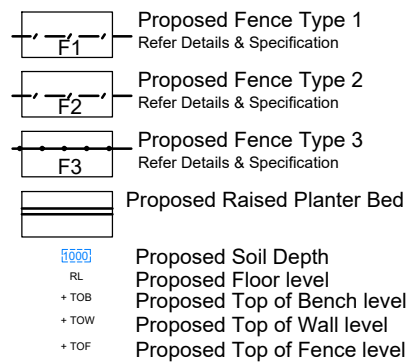
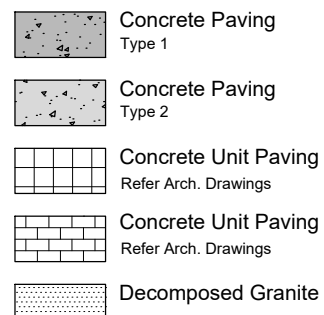
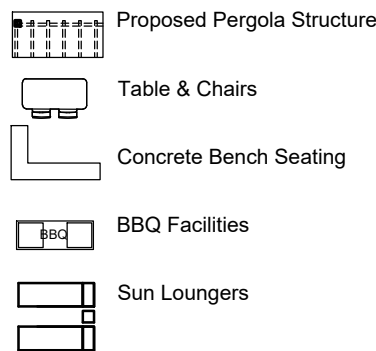
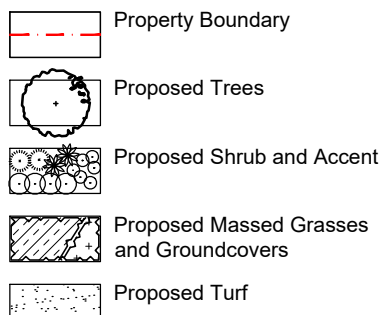
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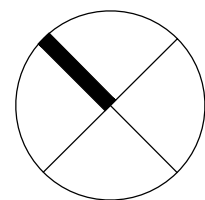
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C	Council RFI updated planting labels, soil depth	PH	RS	07.09.2022
B	S4.55	PH	RS	18.05.2022
A	S4.55	PH	RS	20.04.2022

LEGEND



Key Plan:



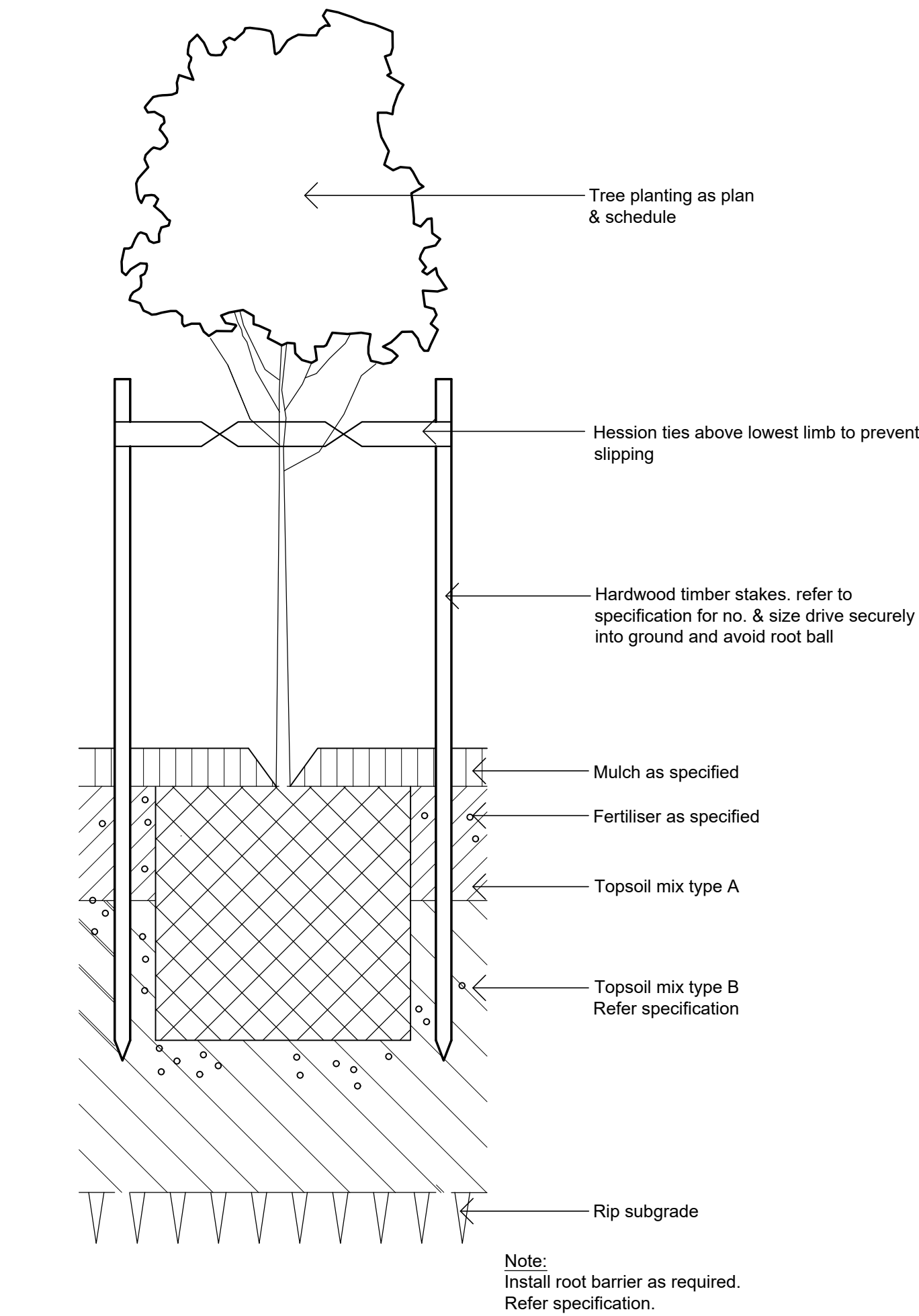
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ALand

Project:
**228 Pitt Street Merrylands
NSW 2160**

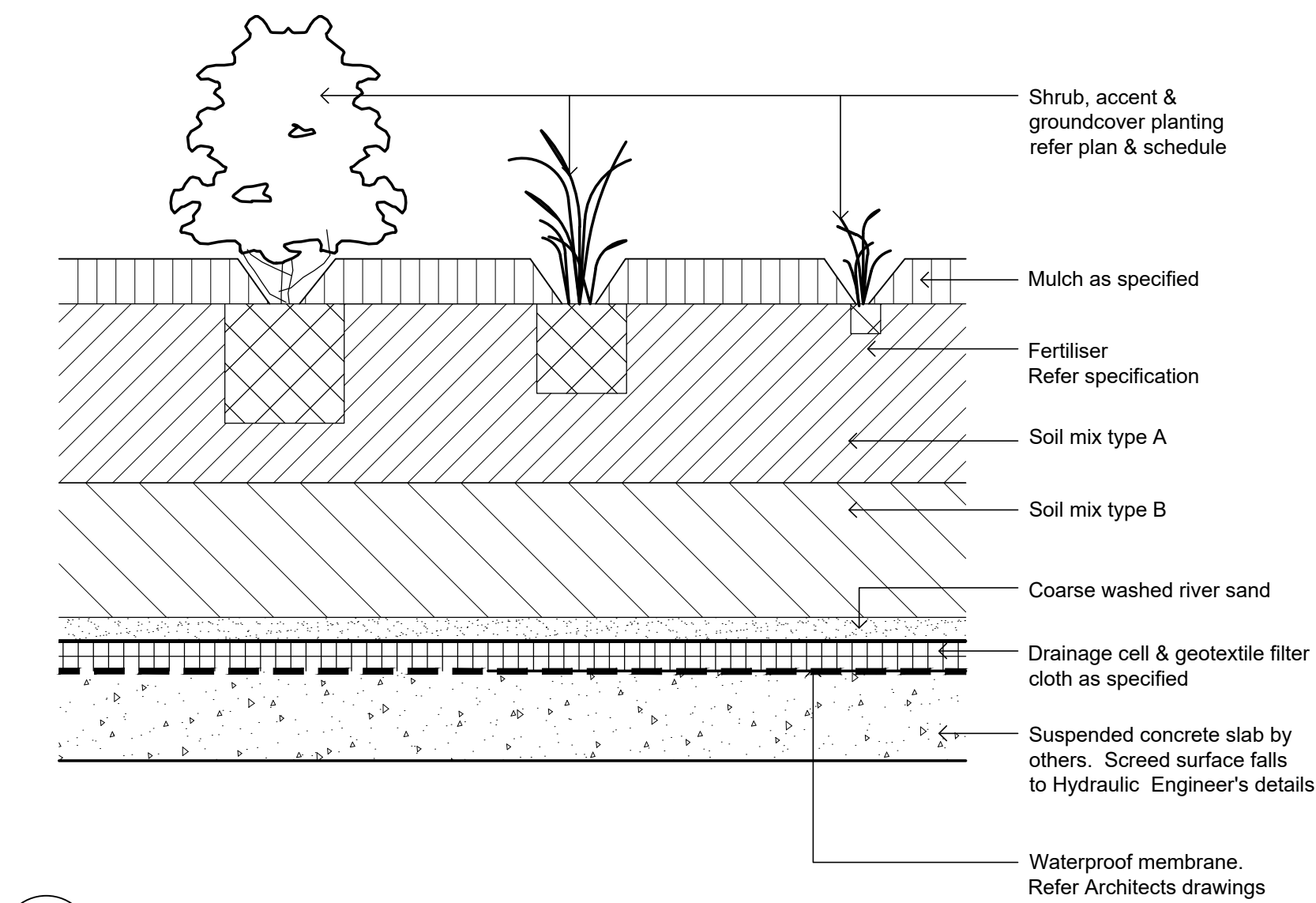
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**Landscape Planting Plan
- Building A Level 20 Roof Terrace**

Scale: 1:100 @ A1
Job Number:
SS22-4883

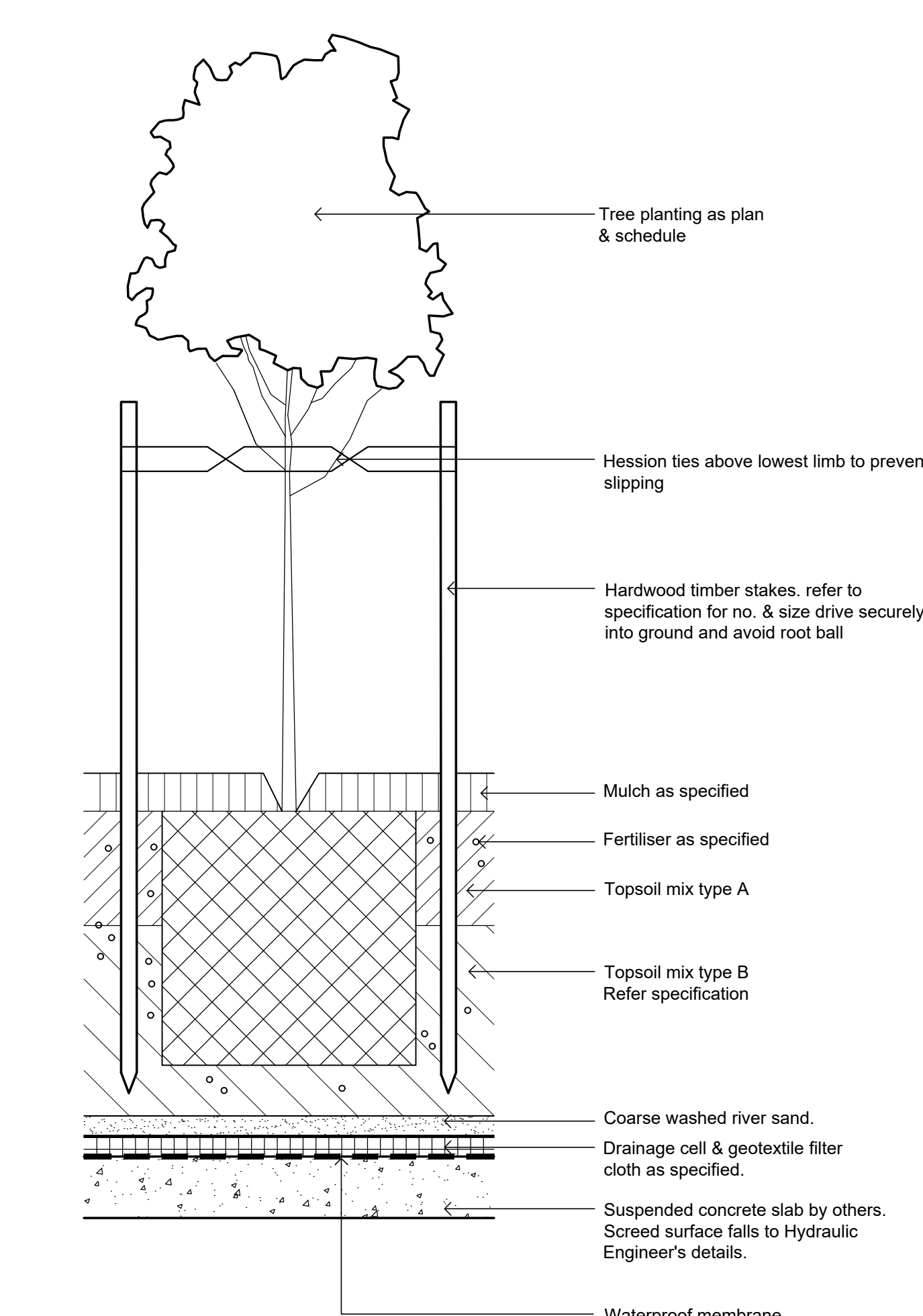
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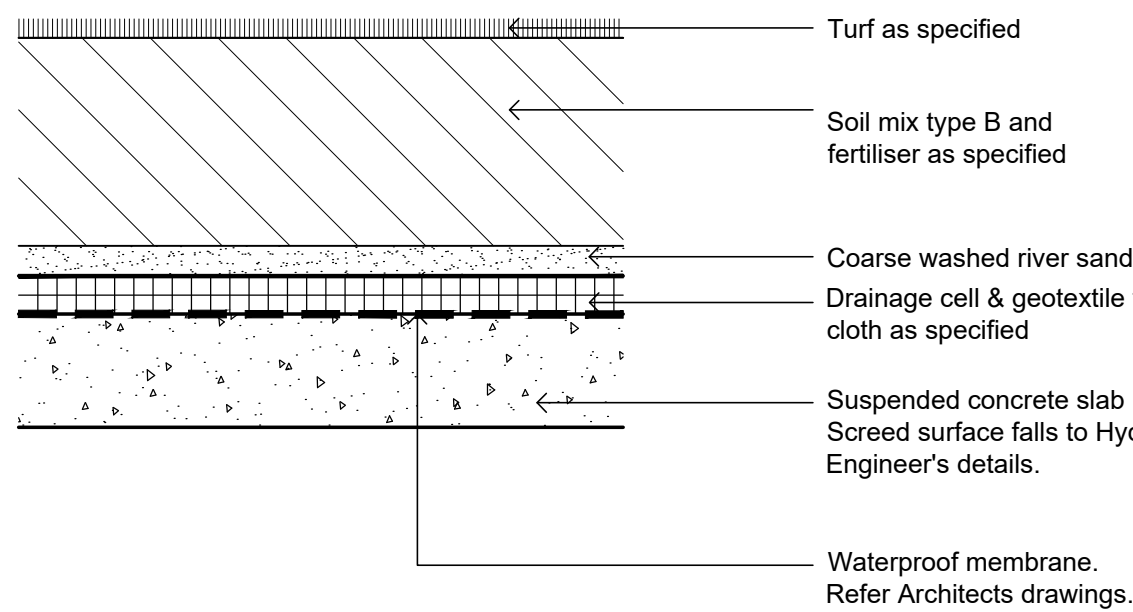
1 DETAIL - 75-200L TREE PLANTING ON GRADE
1:10



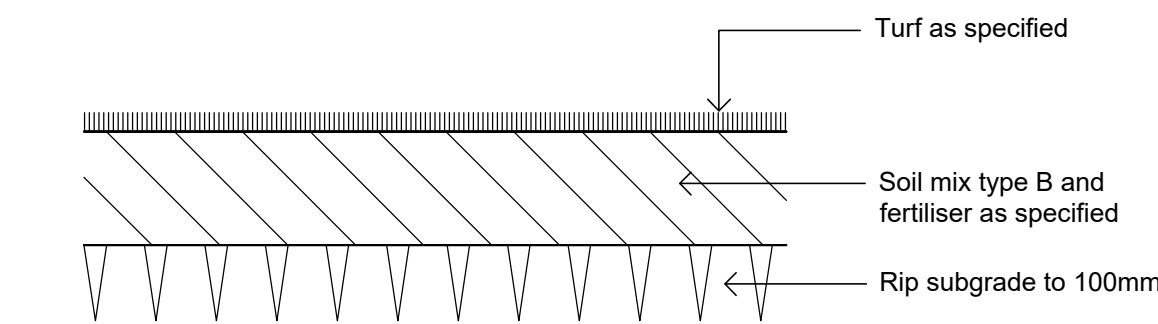
3 DETAIL - SHRUB, ACCENT & GROUNDCOVER PLANTING ON SLAB
1:10



2 DETAIL - 75-200L TREE PLANTING ON SLAB
1:10



4 DETAIL - TURF ON SUSPENDED SLAB
1:10



5 Detail Turf on Even Grade
1:10

SPECIFICATION GENERAL NOTES

References

All plans and details included in the project documents shall be read in conjunction with this specification. All structural and civil works components of the landscape design shall be referenced to engineers' details and specifications. Read this specification in conjunction with the plant and materials schedules on the drawings. If in doubt about any detail or if conflicts are found in the documents, seek advice.

Workmanship and Materials

The whole of the landscape works shall be carried out by a competent, trained and qualified landscape contractor who is experienced in horticultural practices, landscape construction and planting techniques. The landscape contractor shall hold a current Building Contractors License and/or be a financial member of LNA Landscape Association NSW & ACT or equivalent organisations in other states.

HARDWORKS

Furniture, Handrails, Balustrades

Supply and install the scheduled items in accordance with the manufacturer's recommendations, as detailed and in the locations shown on plan. Provide all footings and fixings required for the items to be stable and in accordance with applicable codes and standards.

Garden Walls, Fences, Steps, TGSi and Edging

Construct garden walls, fences, steps, TGSi and edging as shown on plan, as detailed and of the material scheduled. Provide footings, step nosings, tactile surfaces to comply with standards and applicable legislation. Refer to engineer's details for structural retaining walls, heavy duty slabs, concrete stairs, concrete strength, reinforcing and joint placement.

Fence on ground floor

Fence Type F1: Screen (600mm wall + 900mm Slatting Panel)

Location: Ground floor (Refer Ground floor Plan)

- Screen Supplier: equal to Superior Screens (phone: 1300 766 799) Maxislat MS-20 55 x 7.5mm slats
- Colour: Dulux Colourbond 'Monument'
- Panel Size: 600 x 1200mm max,
- Posts: 50mm square
- Fencing contractor is to prepare shop drawings & subject & adjust until approved as AFC.

Fence on Level 4 & Level 10 terraces

Footings vary as scheduled below and appropriate to the situation at any point along the fence length. Mass concrete to engineer's details. Core drilled and filled with non-shrink mortar around post. Side fixed with 12mm Chemset masonry anchors.

Erect posts vertically. Set heights to follow the top of wall lines as appropriate. Ensure rails are installed horizontally.

Gates are to match the fence in terms of appearance, materials, finish, colour, with suitable and appropriate hardware including at least two (2) stainless steel hinges to ensure smooth operation, childproof locks, mortise locks and lever handles as required for secure functionality at each location on plan. All fittings to be 316 stainless steel.

Supply and install the following fence/gate types:

Fence Type F2: Palisade Fence Medium Security

- Location: As shown on the drawings, generally at or near parapet
- Supplier / Product: Equal to ARC, Ambassador
- Material: Galvanised steel
- Finish: Powder-coat gloss
- Colour: All members and fixings Black
- Panel Height: 1200mm above top of wall or paving level
- Pickets: 25 x 25 x 1.2 @ 140 centres, through rails, black capped
- Rails: 40 x 40 x 1.6, 40 x 40 rail flange fixing to posts with Tek screws
- Posts: 65 x 65 x 2.0 @ 2400 centres, 2700 in ground height, black capped
- Gates: To match fence in appearance with drop bolts, lugs, chain, striker, ball bearing hinges
- Gate Width: Nominally 900 wide
- Footings: Various: Mass concrete to engineer's details, core drilled into concrete, side fixed bolted to wall

All subject to workshop drawing details

Fence Type F3: Glass Pool Fence

- Location: As shown on the drawings, generally at the pool
- Supplier / Product: Bespoke
- Material: 10mm toughened glass (min)
- Finish: Fittings: 316 marine grade stainless steel
- Colour: Clear
- Panel Height x length: 1300 (1200mm above decking level) x 1200 long
- Gate: To match fence in appearance complete with safety latch, hinges and be self-closing and latching
- Gate Width: Nominally 900 wide
- Fixings: Proprietary stainless steel brackets concealed below decking boards to detail

All subject to workshop drawing details

Pavings

Refer Architectural drawings for detail

Timber Decking

Refer Architectural drawings for detail

TGSi

- Location: As shown on plans and associated with path, stairs and ramps
- Manufacturer: Tactile Systems Australia TSA
- Material: 316 stainless steel
- Type: Warm (Studs) TSA-STEEL-TAC SMOOTH SERIES Silver, Black.
- Installation: Set out the pattern of studs and / or bars and drill holes with diamond core bit. Epoxy glue the TGSi stems into the holes. All in accordance with the manufacturers instructions.

BQO equipment

- Manufacturer: Christie Parksafe
- Modular Triple Installation Kit with 2xCCQ Gas
- Bench Height: 900mm
- Bench Depth: 750mm
- Bench Length: 2035mm

Continuous, Unit and Loose Pavement

Install the scheduled material pavement to the locations shown on plan. Ensure that all subgrade/subsurface works are complete prior to commencing paving. Confer with the engineer to ensure the structural integrity of the subgrade. Ensure that the base course under paved surfaces is a continuous plane offering a constant depth of bedding material not exceeding 50mm.

SOFTWORKS

Topsoil

Import topsoil for the garden and turf areas, unless the topsoil can be provided from material recovered from the site, as recommended in the soil testing results. Spread the topsoil on the prepared subsoil and grade evenly, compact lightly and uniformly in 150mm layers. Avoid differential subsidence and excess compaction and produce a finished topsoil surface which has the following characteristics:

- Finished to design levels, allowing for mulch or turf, which is to finish flush with adjoining hard surfaces such as paths and edges;
- Smooth and free from inorganic matter, stones or clods of soil;
- Graded to drain freely, without ponding, to catchment and/or sub-soil drains;
- Graded evenly to adjoining surfaces; and
- Ready for planting.

Compost

Provide, in accordance with AS 4454, well rotted vegetative material or animal manure, free from harmful chemicals, inorganic matter, grass, weeds and the reproductive parts of unwanted plants.

Fertiliser

Provide proprietary fertilisers, delivered to the site in sealed containers marked to show manufacturer or vendor, weight, fertiliser type, N:P:K ratio, recommended uses, application rates and safety procedures. Apply appropriate fertiliser suited to the provenance of plants (indigenous or exotic) included in the design.

Plants

- Supply plants in accordance with the landscape design drawings and schedules, which have the following characteristics:
- Large healthy root systems, with no evidence of root curl, restriction or damage;
- Vigorous, well established, free from disease and pests, of good form consistent with the species/variety;
- Hardened off, not soft or forced, and suitable for planting in the natural climatic conditions prevailing at the site in full sun, partial shade or full shade conditions;
- Grown in final containers for not less than twelve weeks;
- Trees, unless required to be multi-stemmed, shall have a single leading shoot; and
- Containers shall be free from weeds and of appropriate size in relation to the specified plant size.

Plant Installation

Following excavation of the planting hole, place and spread 15gms of wetting agent pre-mixed with one (1) litre of water. Place the plant correctly orientated to north or for best presentation. Backfill the planting holes with specified topsoil mixture. Lightly tamp and water to eliminate air pockets. Ensure that the backfill soil is not placed over the top of the root ball and that the root ball is not higher than the soil in which it is planted. Apply fertiliser, as specified around the plants in the soil at the time of planting.

Root Barrier

Supply and install root control barriers to all new tree plantings adjacent to walls, paths, kerbs and all service trenches, where their proximity poses a threat to the stability of the built infrastructure. Install in accordance with manufacturer's recommendations.

Mulch

Unless noted otherwise, mulch shall be approved proprietary recycled wood fibre or pine bark material. Place mulch in all garden beds to a depth of 75mm after all specified plants are installed. Keep mulch clear of all plant stems and rake to an even plane, flush with the surrounding surfaces evenly graded between design surface levels. Over fill to allow mulch to settle to the specified depth.

Stakes and Ties

- Stakes shall be durable hardwood, straight, free of knots and twists, pointed at one end, in the following quantities and sizes for each of the various plant pot sizes:
- Plants (>25 lt): 1 off 38 x 38 x 1200mm;
- Semi-advanced plants (>75 lt): 2 off 50x50x 1800mm;
- Advanced (>100 lt): 3 off 50 x 50 x 2400mm.

IRRIGATION

All proposed landscape areas shall be irrigated.

The irrigation system shall be an automatic permanent system, with an irrigation controller self operated via a soil moisture sensor. The system shall be calibrated to deliver the optimum rate and volume of water appropriate to the type of plants in the design. The system shall be adjustable and fully serviceable. The layout of the entire irrigation system shall focus on delivering the required amount of water to maintain healthy and vigorous growth. The irrigation system shall be such that, component theft, vandalism, over-spray and wetting of paths shall be reduced to a minimum or completely eliminated by the use of drip, pop-up sprinklers and judiciously placed fixed spray emitters. Generally do not use fine mist emitters that provide a drifting mist that may wet paths and the buildings unless specifically required by the design.

LANDSCAPE MAINTENANCE

The Landscape Contractor shall rectify defects during installation and that become apparent in the works under normal use for the duration of the contract Defects Liability Period. Unless contracted otherwise, the Landscape Contractor shall maintain the contract areas by the implementation of industry accepted horticultural practices for 52 weeks from Practical Completion of the works. The landscape maintenance works shall include, but not be limited to:

- Replacing failed plants;
- Pruning;
- Insect and pest control;
- Fertilising;
- Maintaining and removing stakes and ties;
- Maintaining mulch;
- Mowing and top dressing;
- Irrigation and watering;
- Erosion control; and
- Weeding and rubbish removal.

Maintenance Log Book

Implement and keep a maintenance log book recording when and

what maintenance work has been undertaken and what materials, actions and decisions have been used, implemented and concluded to keep the landscape always looking its best. Enter data daily and review information every 2 weeks. Observe trends and develop a maintenance regime around seasonal and observed event occurrences.

Maintenance Activities

During the defects maintenance period schedule the following activities to occur on a timely basis.

- Plant replacement** - Replace plants that have failed to mature, die or are damaged. Replacement plants shall be in a similar size and quality and identical species or variety to the plant that has failed. Replacement of plants shall be at the cost of the landscape contractor unless advised otherwise. If the cause of the failure is due to a controllable situation then correct the situation prior to replacing plants. Observe and replace failed plants within 2 weeks of observation.
- Pruning** - Prune dead wood, broken limbs, dead or infected foliage and as needed to develop strong, healthy plants to achieve the shape and form expected of the plant type. Observe daily and prune plants on a needs basis.
- Insect, disease and pest control** - Avoid spraying:
 - if ever possible;
 - in wet weather or if wet weather is imminent;
 - if target plants are still wet after rain;
 - in windy weather; and
 - if non-target species are too close.Immediately report to the Project Manager any evidence of intensive weed infestation, insect attack or disease amongst plant material. Submit all proposals to apply chemicals and obtain approval before starting this work. When approved, spray with herbicide, insecticide, fungicide as appropriate in accordance with the manufacturers' recommendations. Observe daily and act as necessary to control any infestation or disease. Record in the logbook all relevant details of spraying activities including:
 - Product brand / manufacturer's name,
 - Chemical / product name,
 - Chemical contents,
 - Application quantity and rate,
 - Date of application and location,
 - Results of application, and
 - Use approval authority.
- Fertilising** - Fertilise gardens with a proprietary slow release fertiliser applied in accordance with the manufacturer's directions and recommendations. Apply 6-12 monthly. Record in the logbook all relevant details of fertilising including:
 - Product brand / manufacturer's name,
 - Fertiliser / product name,
 - Application quantity and rate, and
 - Date of application and location.
- Stakes and ties** - Adjust and replace as required to ensure plants remain correctly staked. Remove those not required at the end of the planting establishment period (Defects Liability Period). Inspect and act at least every 2 weeks.
- Maintaining mulch** - Maintain the surface in a clean, tidy and weed free condition and reinstate the mulch as necessary to ensure correct depth as specified. Observe weekly and replenish mulch as required.
- Mowing and top dressing** - Mow the turf to maintain a grass height of between 30-50mm. Do not remove more than one third of the grass height at any one time. Remove grass clippings from the site after each mowing. Top dress to a maximum of 10mm to fill depressions and hollows in the surface. Mow weekly/fortnightly in warmer months. Mow monthly or as required in cooler months. Top dress at approximately 6 monthly intervals.
- Irrigation and watering** - Maintain the irrigation system to sure that each individual plant receives the required amount of water to maintain healthy and vigorous growth. Adjust and calibrate as required. Provide additional watering, if necessary but inspect irrigation weekly and make repairs as necessary.
- Erosion control** - Where necessary, maintain the erosion control fabric in a tidy and weed free condition and reinstate as necessary to ensure control measures are effective where deemed necessary. Inspect every 2 weeks and act to repair any damage as soon as possible.
- Weeding and rubbish removal** - During the plant establishment period remove by hand, rubbish and weed growth that may occur or re-occur throughout all planted, mulched and paved areas. The contractor shall target weeds that are capable of producing a major infestation of unwanted plants by seed distribution. Whenever possible, time weed removal to precede flowering and seed set. Constant observation and removal of weeds is essential.

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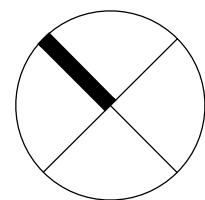
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D	Council RFI updated planting labels, soil depth	PH	RS	07.09.2022
C	S4.55	PH	RS	01.06.2022
B	S4.55	PH	RS	18.05.2022
A	S4.55	PH	RS	20.04.2022

LEGEND

Key Plan:



SITE IMAGE



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Client:

Aland

Project:

228 Pitt Street Merrylands
NSW 2160

Drawing Name:

Landscape Details
& Landscape Specification

Scale: As Shown

Job Number:

SS22-4883

Drawing Number:

Issue:

501 E

SECTION 4.55