

Landscape Documentation

Development Application

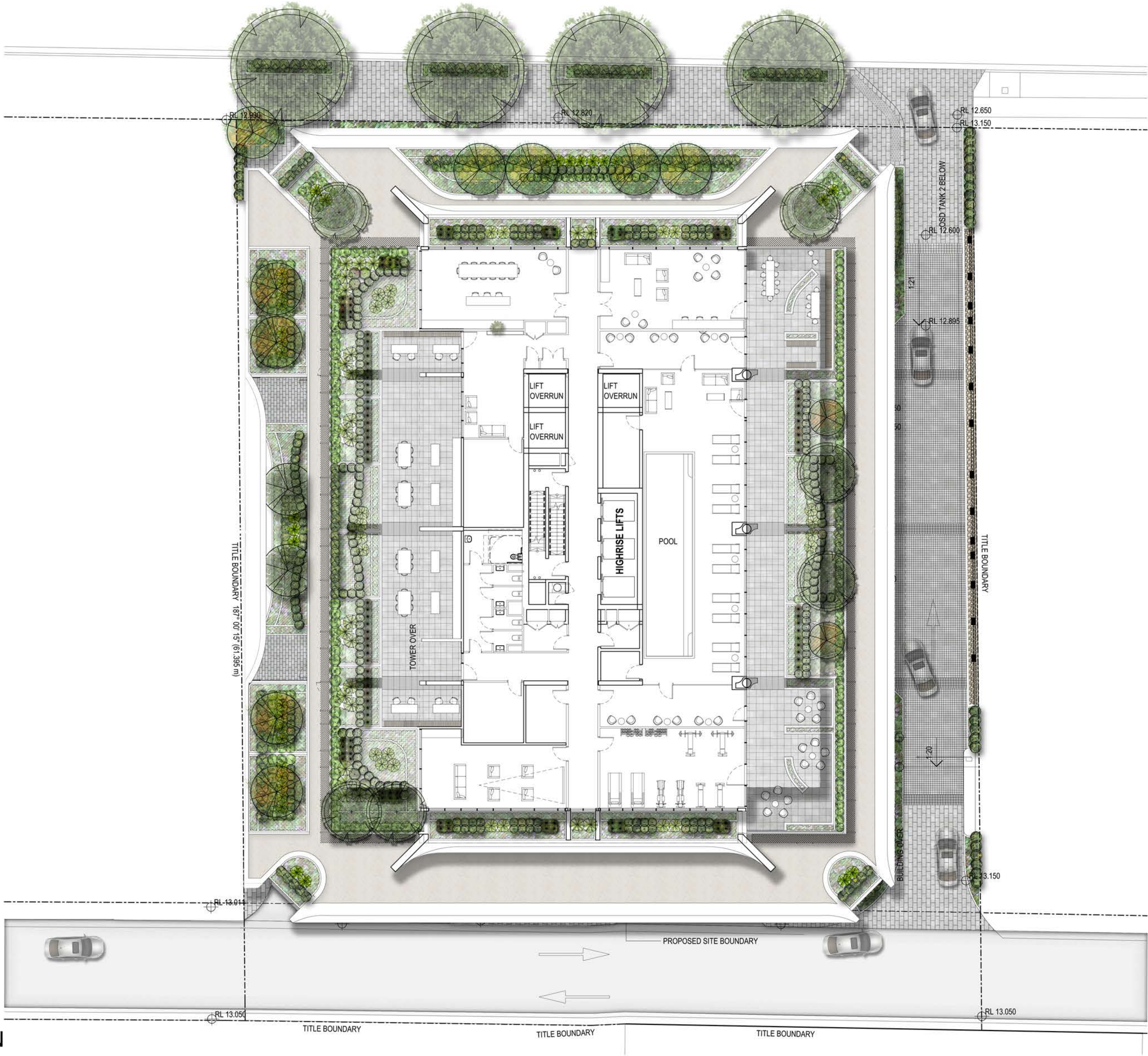
26 Elizabeth Street,

Liverpool NSW 2170

Drawing Schedule

Drawing Number	Drawing Title	Scale
L-000	Landscape Coversheet	N/A
L-100	Landscape Composite Render	1:150
L-101	Landscape Plan - Ground Floor	1:150
L-102	Landscape Plan - Level 2	1:150
L-103	Landscape Plan - Level 3	1:150
L-104	Landscape Plan - Level 4	1:150
L-105	Landscape Plan - Level 5	1:150
L-106	Landscape Plan - Level 9	1:150
L-500	Landscape Specification Notes	N/A
L-501	Landscape Details	Varies
L-502	Landscape Green Wall Details	Varies

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LEGEND

- Proposed Tree (Refer Planting Schedule)
- Proposed Accent & Shrubs (Refer Planting Schedule)
- Proposed Groundcover / Grass (Refer Planting Schedule)
- 600 x 300 Unit Paver
- 150 x 150 Unit Paver
- 100 x 100 Unit Paver

- Concrete Bench Seat
- Green Wall
- Render & Painted Blockwork Wall

Key Plan:

SITE IMAGE

Landscape Architects
Level 1, 3-5 Baptist Street
Redfern NSW 2016
Australia

Tel: (61 2) 8332 5600
Fax: (61 2) 9698 2877
www.siteimage.com.au

Client:
BINAH Developments

Architect:
Rothelowman Architects

Project:
**26 Elizabeth Street
Liverpool NSW 2170**

Drawing Name:
Composite Landscape Plan

DEVELOPMENT APPLICATION

Scale: 1:150 @ A1
Job Number:
SS20-4354

0 1 2 3 4 5m
Drawing Number:
L-C100

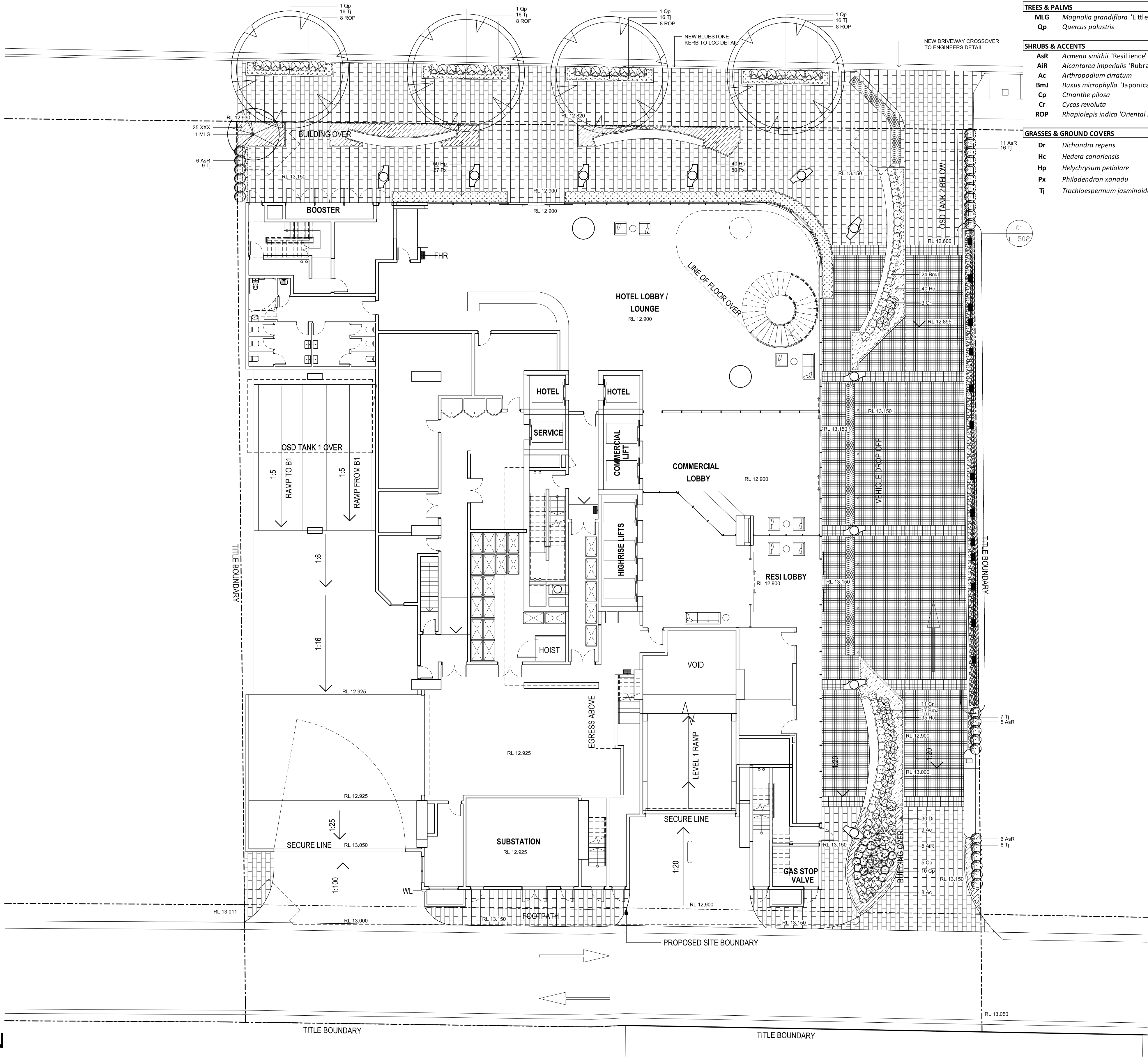
Issue:
A

ELIZABETH STREET

26 Elizabeth Street, Liverpool

SI No: SS20-4354

Abbrev.	Botanic Name	Common Name	Mature Size H x W	Pot Size	Density	Qty
GROUND FLOOR PLANT SCHEDULE						
TREES & PALMS						
MLG	Magnolia grandiflora 'Little Gem'	Dwarf Magnolia	5.0 x 3.0	100L	As Shown	1
Qp	Quercus palustris	Pin Oak	15.0 x 8.0	200L	As Shown	4
SHRUBS & ACCENTS						
AsR	Acmena smithii 'Resilience'	Lilly Pilly	5.0 x 3.0	45L	As Shown	28
AIR	Alcantarea imperialis 'Rubra'	Imperial Bromeliad	1.2 x 1.5	45L	As Shown	5
Ac	Arthropodium cirratum	Renga Renga Lilly	0.9 x 0.9	300mm	As Shown	17
BmJ	Buxus microphylla 'Japonica'	Japanese Box	1.0 x 1.0	300mm	As Shown	41
Cp	Ctnanthe pilosa	Golden Mosaic	0.9 x 0.9	300mm	As Shown	15
Cr	Cycas revoluta	Sago Palm	1.0 x 1.5	300mm	As Shown	14
ROP	Rhapiolepis indica 'Oriental Pearl'	Oriental Pearl Indian Hawthorn	1.5 x 1.0	300mm	As Shown	32
GRASSES & GROUND COVERS						
Dr	Dichondra repens	Kidney Weed	1.0 x 1.0	200mm	5/m ² or 2/LM	30
Hc	Hedera canariensis	Canary Ivy	0.2 x 1.5	200mm	5/m ² or 2/LM	75
Hp	Helychrysium petiolare	Licorice Plant	1.5 x 1.5	200mm	5/m ² or 2/LM	90
Px	Philodendron xanadu	Xanadu	1.0 x 1.0	200mm	5/m ² or 2/LM	107
TJ	Trachloespermum jasminoides	Star Jasmine	0.3 x 1.5	200mm	5/m ² or 2/LM	104



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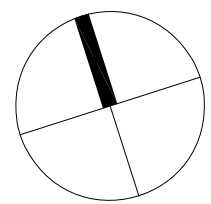
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A For DA Approval
Issue Revision Description

NP RS 18.03.2020
Drawn Check Date

	Proposed Tree (Refer Planting Schedule)		Concrete Bench Seat
	Proposed Accent & Shrubs (Refer Planting Schedule)		Green Wall
	Proposed Groundcover / Grass (Refer Planting Schedule)		Render & Painted Blockwork Wall
	600 x 300 Unit Paver		TGSI - Tactile Ground Surface Indicators
	150 x 150 Unit Paver		
	100 x 100 Unit Paver		

Key Plan:



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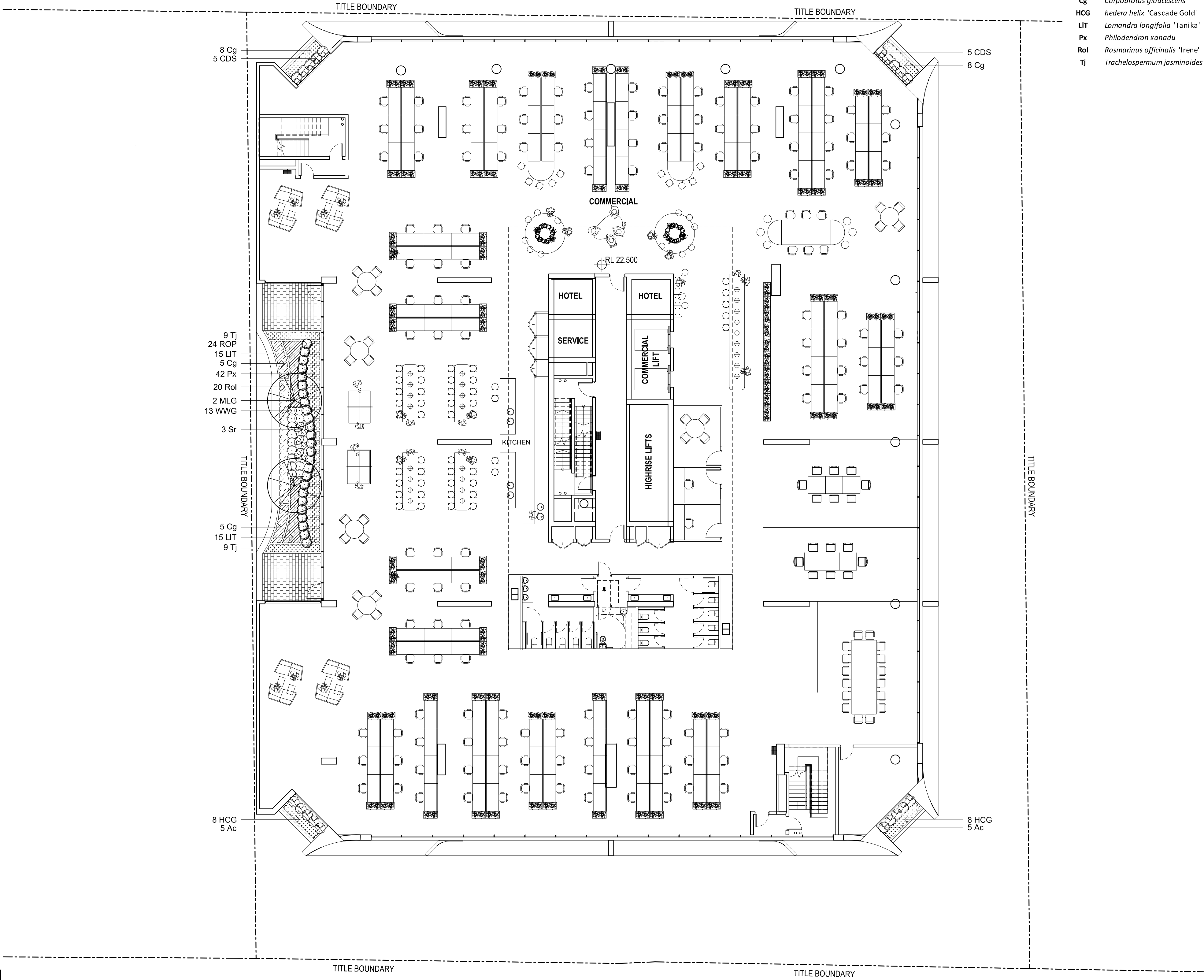
Client:
BINAH Developments
Architect:
Rothelowman Architects
Project:
**26 Elizabeth Street
Liverpool NSW 2170**

Drawing Name:
**Landscape Plan
Ground Floor**

DEVELOPMENT APPLICATION
Scale: 1:150 @ A1
Job Number:
SS20-4354
Drawing Number:
L-101
Issue:
A

26 Elizabeth Street, Liverpool

Abbrev.	Botanic Name	Common Name	Mature Size	Pot Size	Density	Qty
LEVEL 2						
TREES						
MLG	Magnolia grandiflora 'Little Gem'	Dwarf Magnolia	5.0 x 3.0	200L	As Shown	2
SHRUBS & ACCENTS						
Ac	Arthropodium cirratum	New Zealand Rock Lilly	0.6 x 1.0	300mm	As Shown	10
CDS	Carissa macrocarpa 'Desert Star'	Natal Plum	1.5 x 1.5	300mm	As Shown	10
Sr	Strelitzia reginae	Bird Of Paradise	1.5 x 1.5	300mm	As Shown	3
ROP	Rhapiopelis indica 'Oriental Pearl'	Indian Hawthorn	1.5 x 1.5	300mm	As Shown	24
WWG	Westringia fruticosa 'Wynabbie Gem'	Coastal Rosemary	1.2 x 1.2	300mm	As Shown	13
GRASSES & GROUND COVERS						
Cg	Carpobrotus glaucescens	Pig Face	0.3 x 2.0	200mm	5/m ² or 2/LM	26
HCG	hedera helix 'Cascade Gold'	Variegated English Ivy	0.2 x 6.0	200mm	5/m ² or 2/LM	16
LIT	Lomandra longifolia 'Tanika'	Mat Rush	0.8 x 0.8	200mm	5/m ² or 2/LM	30
Px	Philodendron xanadu	Xanadu	1.2 x 1.2	200mm	5/m ² or 2/LM	42
RoI	Rosmarinus officinalis 'Irene'	Prostrate Rosemary	0.3 x 1.5	200mm	5/m ² or 2/LM	20
TJ	Trachelospermum jasminoides	Star Jasmine	0.3 x 1.5	200mm	5/m ² or 2/LM	18



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LEGEND

- Proposed Tree (Refer Planting Schedule)
- Proposed Accent & Shrubs (Refer Planting Schedule)
- Proposed Groundcover / Grass (Refer Planting Schedule)
- 600 x 300 Unit Paver
- 150 x 150 Unit Paver
- 100 x 100 Unit Paver
- Concrete Bench Seat
- Green Wall
- Render & Painted Blockwork Wall
- TGSI - Tactile Ground Surface Indicators

Key Plan:

SITE IMAGE



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Client:

BINAH Developments

Architect:

Rothelowman Architects

Project:

26 Elizabeth Street
Liverpool NSW 2170

Drawing Name:

Landscape Plan
Level 2

DEVELOPMENT APPLICATION

Scale: 1:150 @ A1

Job Number:

SS20-4354

0 1 2 3 4 5m

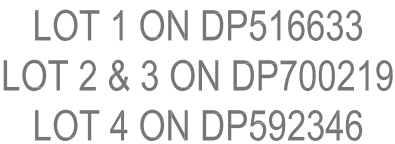
Drawing Number:

Issue:

L-102 A

ELIZABETH STREET

26 Elizabeth Street, Liverpool						
Abbrev.	Botanic Name	Common Name	Mature Size	Pot Size	Density	Qty
LEVEL 3						
SHRUBS & ACCENTS						
Ac	<i>Arthrodium cirratum</i>	New Zealand Rock Lily	0.6 x 1.0	300mm	As Shown	10
CDS	<i>Carissa macrocarpa</i> 'Desert Star'	Natal Plum	1.5 x 1.5	300mm	As Shown	10
GRASSES & GROUND COVERS						
HG	<i>Carobrotus glaucescens</i>	Pig Face	0.3 x 2.0	200mm	5/m ² or 2/LM	16
CcG	<i>hedera helix</i> 'Cascade Gold'	Variegated English Ivy	0.2 x 6.0	200mm	5/m ² or 2/LM	16

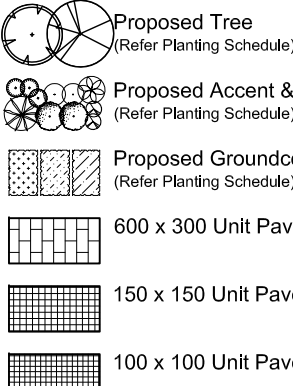
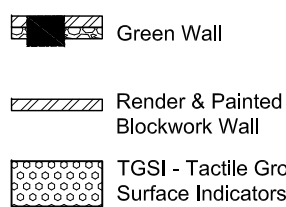


LOT A, B, C & D
ON
DP337604

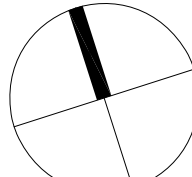
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LEGEND

 Concrete Bench Seat

Key Plan:



SITE IMAGE



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Client:

BINAH Developments

Architect

Rothelowman Architects

Project:

26 Elizabeth Street

Liverpool NSW 2170

Drawing Name:

BINAH Developments

Level 3

DEVELOPMENT APPLICATION

Scale: 1:150 @ A1

Job Number:

SS20-4354

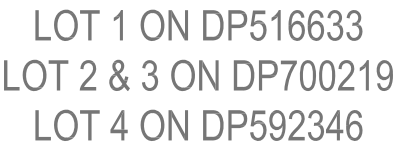
Drawing Number:

Issue:

L-103 A

ELIZABETH STREET

26 Elizabeth Street, Liverpool						
Abbrev.	Botanic Name	Common Name	Mature Size	Pot Size	Density	Qty Per Fl
LEVEL 4						
SHRUBS & ACCENTS						
Ac	<i>Arthrodium cirratum</i>	New Zealand Rock Lilly	0.6 x 1.0	300mm	As Shown	10
CDS	<i>Carissa macrocarpa</i> 'Desert Star'	Natal Plum	1.5 x 1.5	300mm	As Shown	10
GRASSES & GROUND COVERS						
Cg	<i>Carpobrotus glaucescens</i>	Pig Face	0.2 x 2.0	200mm	5/m ² or 2/LM	16
HCG	<i>hedera helix</i> 'Cascade Gold'	Variegated English Ivy	0.2 x 6.0	200mm	5/m ² or 2/LM	16



LOT A, B, C & D
ON
DP337604

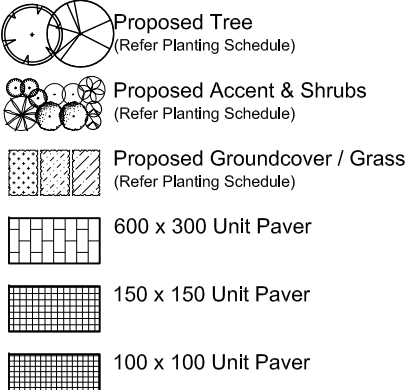
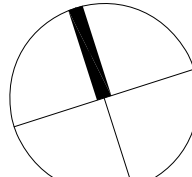
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A	For DA Approval
Issue	Revision Description

NP	RS	18.03.20
Drawn	Check	Date

LEGEND

 Concrete Bench Sea Render & Painted
Surface Indicators

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www.citilimage.com.au

Client:
BINAH Developments

Architect:
Rothelowman Architects

Project:
26 Elizabeth Street
Liverpool NSW 217

Drawing Name:
Landscape Plan
Level 4

DEVELOPMENT APPLICATION

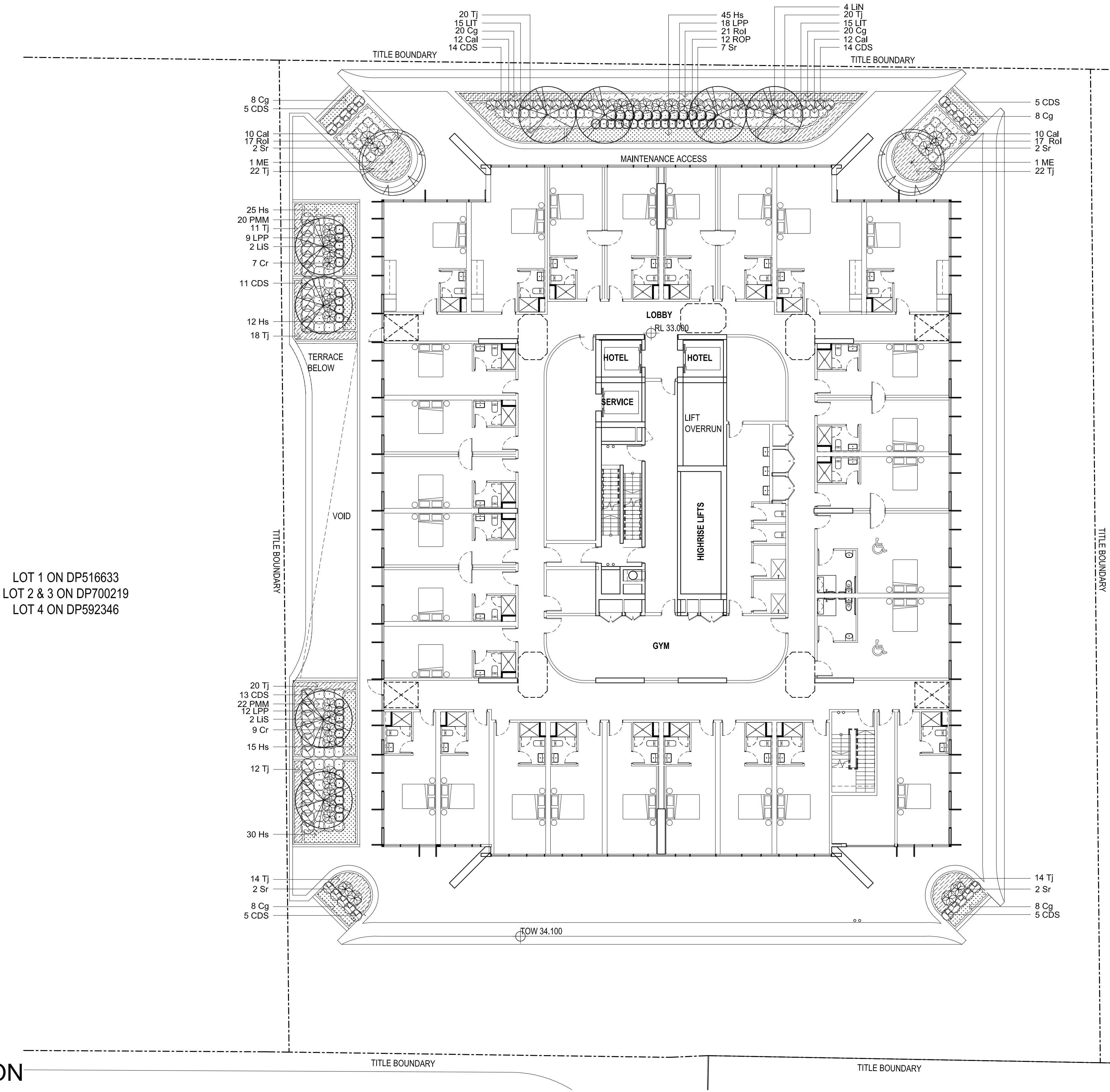
Scale: 1:150 @ A

Job Number: Drawing Number: Issue:

SS20-4354

L-103 A

Abbrev.	Botanic Name	Common Name	Mature Size	Pot Size	Density	Qty
LEVEL 5						
TREES						
LIN	Lagerstroemia indica 'Natchez'	White Crepe Myrtle	6.0 x 4.0	200L	As Shown	4
LIS	Lagerstroemia indica 'Sioux'	Pink Crepe Myrtle	6.0 x 4.0	200L	As Shown	4
ME	Magnolia grandiflora 'Exmouth'	Bull Bag Magnolia	15.0 x 8.0	200L	As Shown	2
SHRUBS & ACCENTS						
CDS	Carissa macrocarpa 'Desert Star'	Natal Plum	1.5 x 1.5	300mm	As Shown	72
Cal	Correa alba	White Correa	1.0 x 1.0	300mm	As Shown	44
Cr	Cycas revoluta	Sago Palm	1.0 x 1.5	300mm	As Shown	16
LPP	Loropetalum chinense 'Purple Pixie'	Chinese Finge Flower	0.6 x 1.5	300mm	As Shown	39
PMM	Pittosporum tobira 'Miss Muffet'	Miss Muffet Pittosporum	1.0 x 1.0	300mm	As Shown	42
ROP	Rhapioelis indica 'Oriental Pearl'	Indian Hawthorn	1.5 x 1.5	300mm	As Shown	12
Sr	Strelitzia reginae	Bird Of Paradise	1.5 x 1.5	300mm	As Shown	15
GRASSES & GROUND COVERS						
Cg	Carpobrotus glaucescens	Pig Face	0.3 x 2.0	200mm	5/m ² or 2/LM	72
Hs	Hibbertia scandens	Snake Vine	0.3 x 1.0	200mm	5/m ² or 2/LM	127
LIT	Lamandra longifolia 'Tanika'	Mat Rush	0.8 x 0.8	200mm	5/m ² or 2/LM	30
Rol	Rosmarinus officinalis 'Irene'	Prostrate Rosemary	0.3 x 1.5	200mm	5/m ² or 2/LM	55
TJ	Trachelospermum jasminoides	Star Jasmine	0.3 x 1.5	200mm	5/m ² or 2/LM	173



LOT 1 ON DP516633
LOT 2 & 3 ON DP700219
LOT 4 ON DP592346

LOT A, B, C & D
ON
DP337604

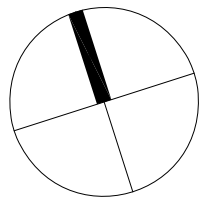
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LEGEND	
	Proposed Tree (Refer Planting Schedule)
	Proposed Accent & Shrubs (Refer Planting Schedule)
	Proposed Groundcover / Grass (Refer Planting Schedule)
	600 x 300 Unit Paver
	150 x 150 Unit Paver
	100 x 100 Unit Paver
	Concrete Bench Seat
	Green Wall
	Render & Painted Blockwork Wall
	TGSI - Tactile Ground Surface Indicators

Key Plan:



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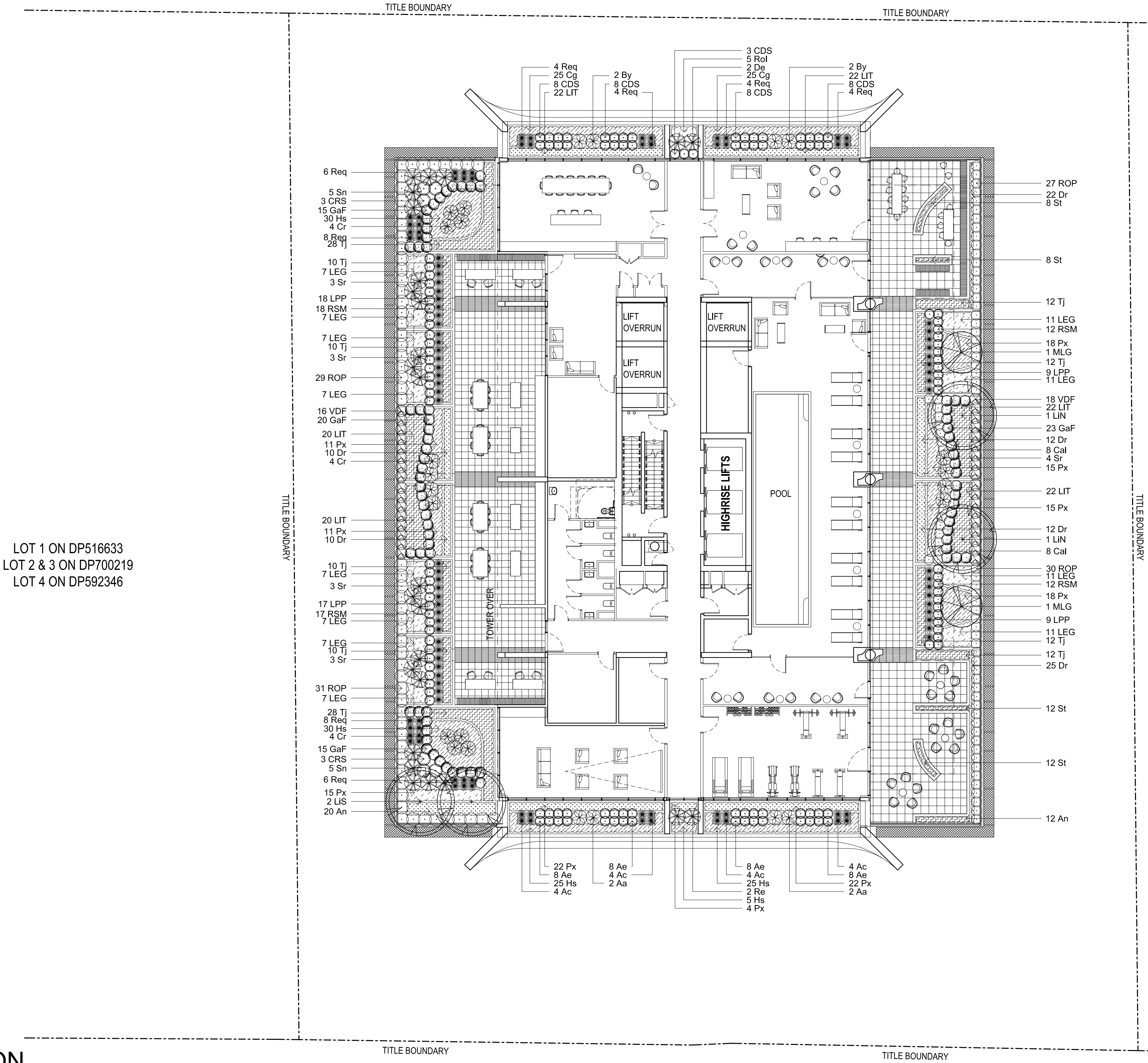
Client:
BINAH Developments
Architect:
Rothelowman Architects
Project:
**26 Elizabeth Street
Liverpool NSW 2170**

Drawing Name:
**Landscape Plan
Level 5**

DEVELOPMENT APPLICATION
Scale: 1:150 @ A1
Job Number:
SS20-4354
Drawing Number:
L-105
Issue:
A

Abbrev.	Botanic Name	Common Name	Mature Size	Pot Size	Density	Qty
LEVEL 9						
TREES						
LIN	Lagerstroemia indica 'Natchez'	White Crepe Myrtle	6.0 x 4.0	200L	As Shown	2
LIS	Lagerstroemia indica 'Sioux'	Pink Crepe Myrtle	6.0 x 4.0	200L	As Shown	2
MLG	Magnolia grandiflora 'Little Gem'	Dwarf Magnolia	5.0 x 3.0	200L	As Shown	2
SHRUBS & ACCENTS						
Ac	Arthropodium cirratum	New Zealand Rock Lilly	0.6 x 1.0	300mm	As Shown	16
Aa	Asplenium australasicum	Birds Nest Fern	1.0 x 1.5	300mm	As Shown	4
By	Beschorneria yuccoides	Mexican Lily	2.0 x 2.0	300mm	As Shown	4
CDS	Carissa macrocarpa 'Desert Star'	Natal Plum	1.5 x 1.5	300mm	As Shown	35
CRS	Cordyline fruticosa 'Red Sensation'	Cordyline	1.5 x 1.0	300mm	As Shown	6
Cal	Correa alba	White Correa	1.0 x 1.0	300mm	As Shown	16
Cr	Cycas revoluta	Sago Palm	1.0 x 1.5	300mm	As Shown	12
De	Doryanthes excelsa	Gymea Lilly	2.0 x 2.0	300mm	As Shown	2
GaF	Gardenia augusta 'Florida'	Gardenia	1.2 x 1.0	300mm	As Shown	73
LPP	Loropetalum chinense 'Purple Pixie'	Chinese Finge Flower	0.6 x 1.5	300mm	As Shown	53
ROP	Rhapiopelis indica 'Oriental Pearl'	Indian Hawthorn	1.5 x 1.5	300mm	As Shown	117
RSM	Rhapiopelis indica 'Oriental Pearl'	Indian Hawthorn	0.6 x 0.6	300mm	As Shown	59
Re	Rhapis excelsa	Lady Palm	3.0 x 2.0	300mm	As Shown	2
Req	Russelia equisetiformis	Coral Plant	1.8 x 0.6	300mm	As Shown	44
St	Sanserveria trifasciata	Mother-In-Laws Tongue	1.2 x 0.5	300mm	As Shown	40
Sn	Strelitzia nicolai	Giant Bird Of Paradise	3.0 x 2.0	45L	As Shown	10
Sr	Strelitzia reginae	Bird Of Paradise	1.5 x 1.5	300mm	As Shown	16
VDF	Viburnum odoratissimum 'Dense Fence'	Sweet Viburnum	1.5 x 1.5	300mm	As Shown	34

GRASSES & GROUND COVERS						
An	Alpinia nutans	Dwarf Cardamon	1.5 x 1.0	200mm	5/m ² or 2/LM	32
Ae	Aspidistra elatior	Cast Iron Plant	1.2 x 1.0	200mm	5/m ² or 2/LM	32
Cg	Carpobrotus glaucescens	Pig Face	0.3 x 2.0	200mm	5/m ² or 2/LM	50
Dr	Dichondra repens	Kidney Weed	0.1 x 0.5	200mm	5/m ² or 2/LM	91
Hs	Hibbertia scandens	Snake Vine	0.3 x 1.0	200mm	5/m ² or 2/LM	115
LEG	Liriope muscari 'Evergreen Giant'	Turf Lilly	0.6 x 0.6	200mm	5/m ² or 2/LM	100
LIT	Lomandra longifolia 'Tanika'	Mat Rush	0.8 x 0.8	200mm	5/m ² or 2/LM	128
Px	Philodendron xanadu	Xanadu	1.2 x 1.2	200mm	5/m ² or 2/LM	151
Rol	Rosmarinus officinalis 'Irene'	Prostrate Rosemary	0.3 x 1.5	200mm	5/m ² or 2/LM	5
TJ	Trachelospermum jasminoides	Star Jasmine	0.3 x 1.5	200mm	5/m ² or 2/LM	144



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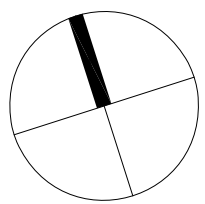
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LEGEND

- Proposed Tree (Refer Planting Schedule)
- Proposed Accent & Shrubs (Refer Planting Schedule)
- Proposed Groundcover / Grass (Refer Planting Schedule)
- 600 x 300 Unit Paver
- 150 x 150 Unit Paver
- 100 x 100 Unit Paver

- Concrete Bench Seat
- Green Wall
- Render & Painted Blockwork Wall
- TGSI - Tactile Ground Surface Indicators

Key Plan:



SITE IMAGE



Landscape Architects
Level 1, 3-5 Baptist Street
Redfern NSW 2016
Australia

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Architect:

Rothelowman Architects

Project:

26 Elizabeth Street
Liverpool NSW 2170

Drawing Name:

Landscape Plan
Level 9

DEVELOPMENT APPLICATION

Scale: 1:150 @ A1

Job Number:

SS20-4354

0 1 2 3 4 5m
Drawing Number:

Issue:

L-106 A

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.

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

Soil Testing

Where site soil is to be retrieved from and stored for reuse on site, undertake at least two (2) soil tests, in locations as advised by the Project Manager. Provide results and recommendations regarding soil additives for the benefit of healthy plant growth and to adjust the soil components to achieve an appropriate planting medium for successful plant development.

Subsoil

Excavate and/or fill all garden beds to bring the top of subsoil to at least 300mm below finished design soil levels. Excavate all turf areas to bring the subsoil to at least 100mm below finished design levels. In all areas shape the subsoil to fall to subsoil drains where applicable. Do not excavate within the drip line of trees and shrubs to be retained. Cultivate or rip the subsoil to a further depth of 100mm before placing top soil. Remove stones of size exceeding 25mm, clods of earth exceeding 50mm, and weeds, rubbish or other deleterious material brought to the surface during cultivation. Do not disturb services or existing tree roots. If necessary cultivate these areas by hand. During cultivation, thoroughly mix in materials required to be incorporated into the subsoil, as recommended in the soil testing results and to manufacturer's recommendations. Trim the surface to design levels again after cultivation.

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;
- Seml-advanced plants (>75 lt): 2 off 50x50x 1800mm;
- Advanced (>100 lt): 3 off 50 x 50 x 2400mm.

Turf

Turf shall be delivered to site as 25mm minimum thick cut rolls. Obtain turf from a specialist grower of cultivated turf. Turf shall have an even thickness, 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 delivery. Prevent it from drying out between cutting and laying. Lay the turf in the following manner:

- In stretcher pattern, joints staggered and close butted;
- Parallel long sides of level areas, with contours on slopes; and
- To finish flush, after lightly tamping, with adjacent finished surfaces and design levels.

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

A For DA Approval
Issue Revision Description

NP RS 18.03.2020
Drawn Check Date

SITE IMAGE



Landscape Architects
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Redfern NSW 2016
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Client:
BINAH Developments

Architect:
Rothelowman Architects

Project:
**26 Elizabeth Street
Liverpool NSW 2170**

Drawing Name:
Landscape Specification

DEVELOPMENT APPLICATION

Scale: 1:150 @ A1

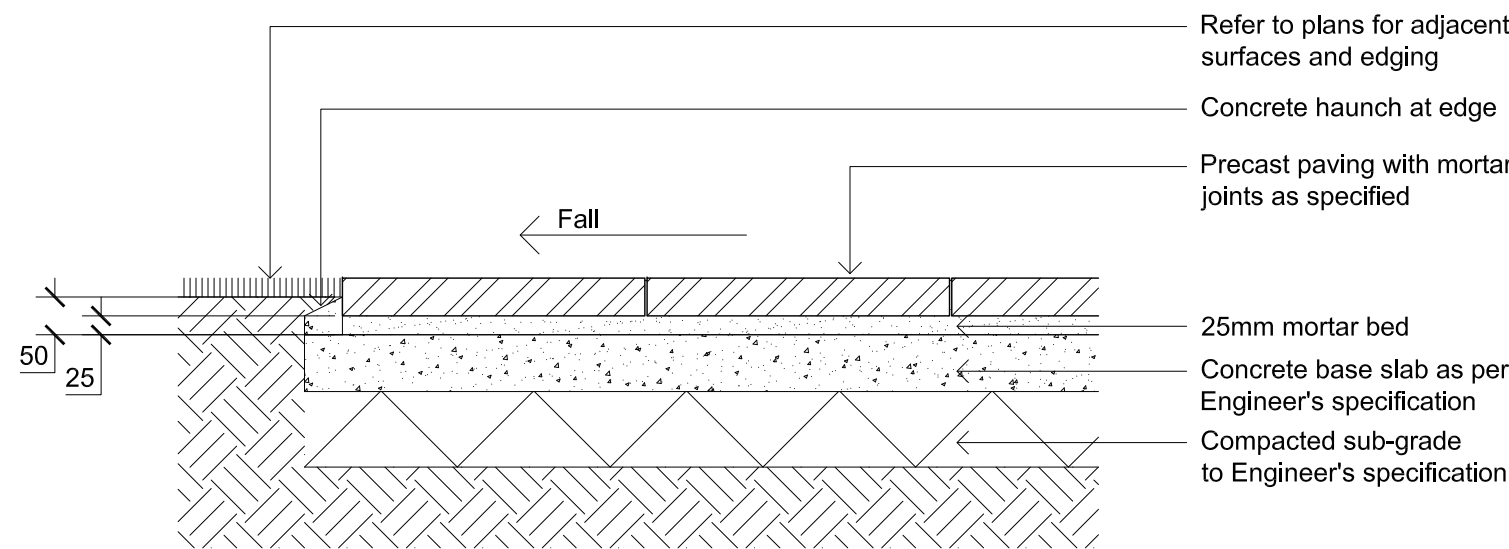
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SS20-4354

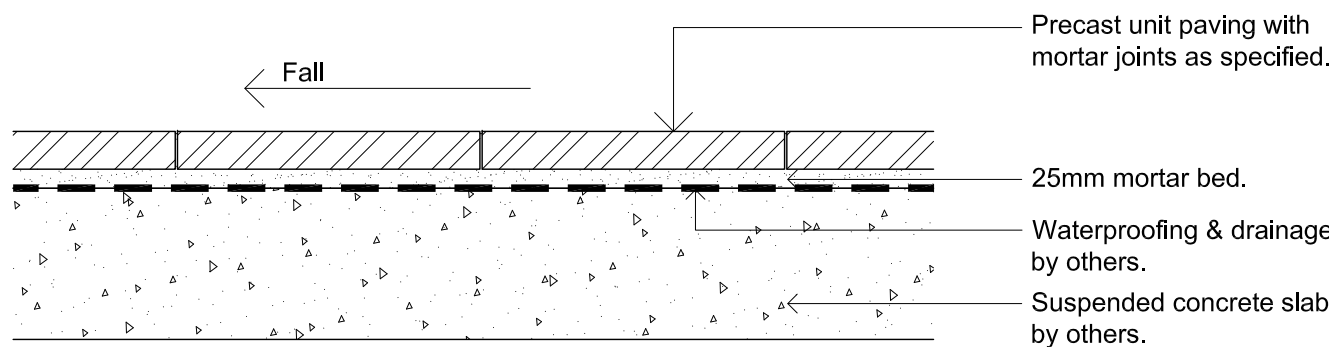
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Issue:

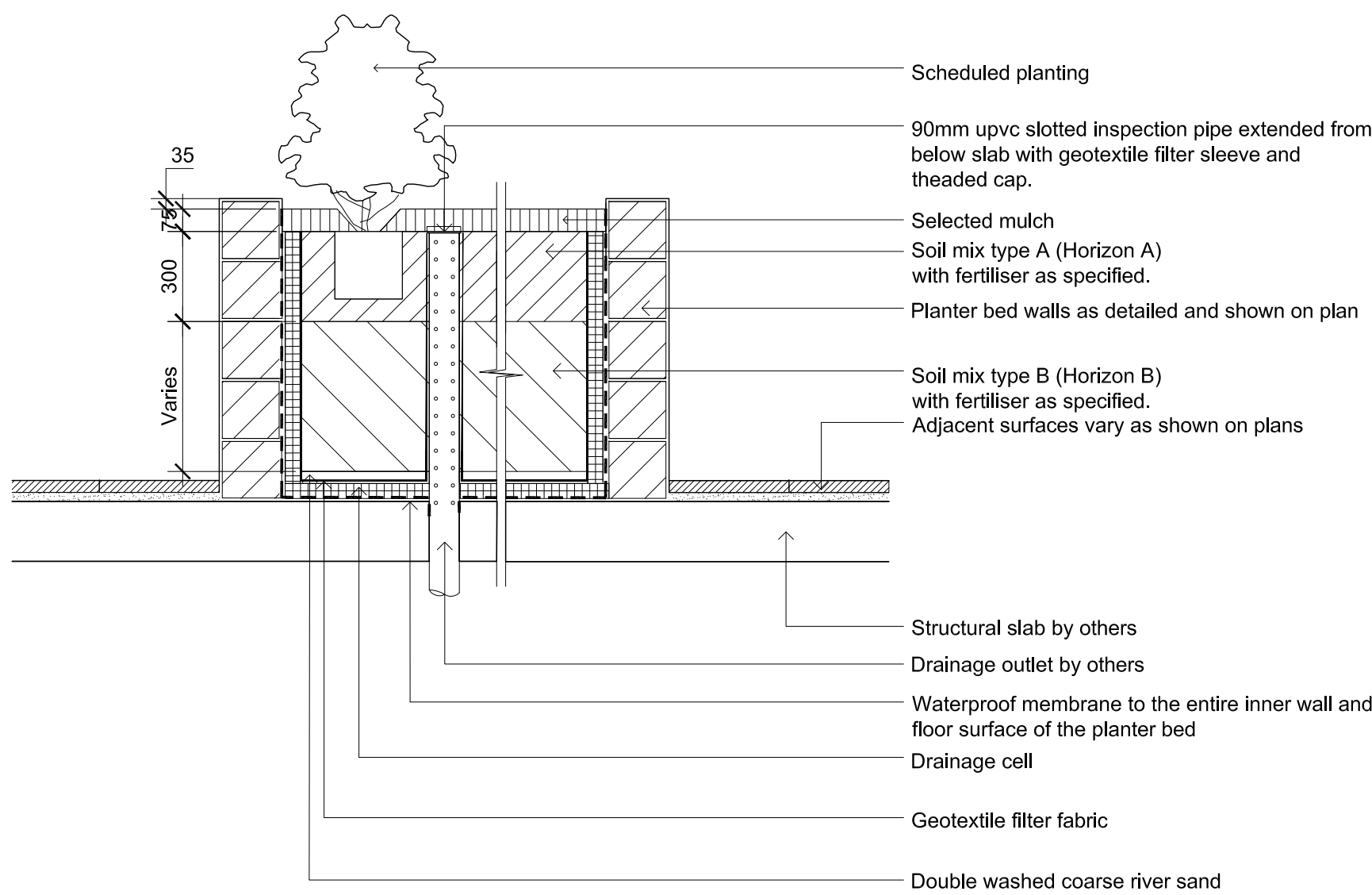
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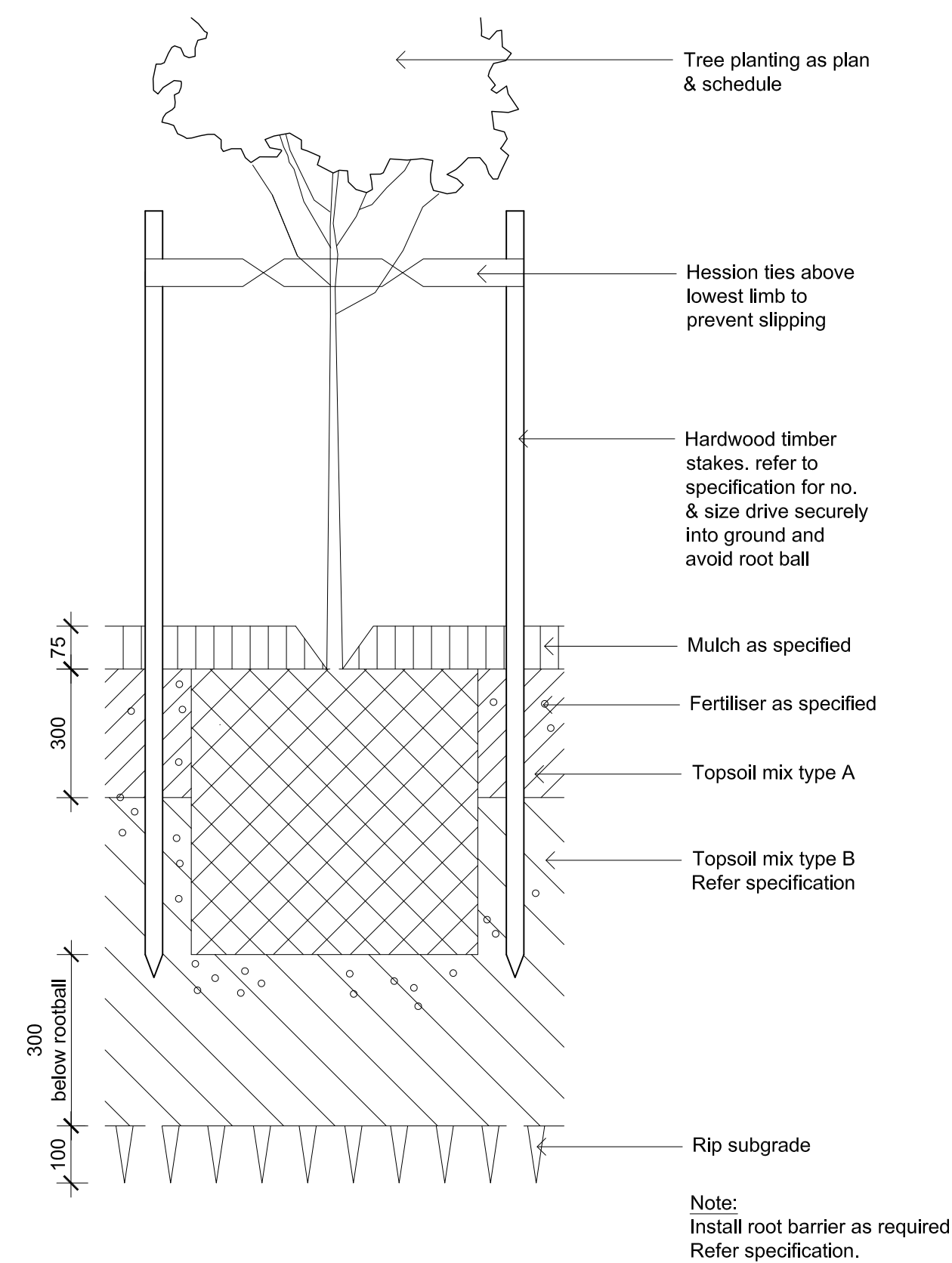
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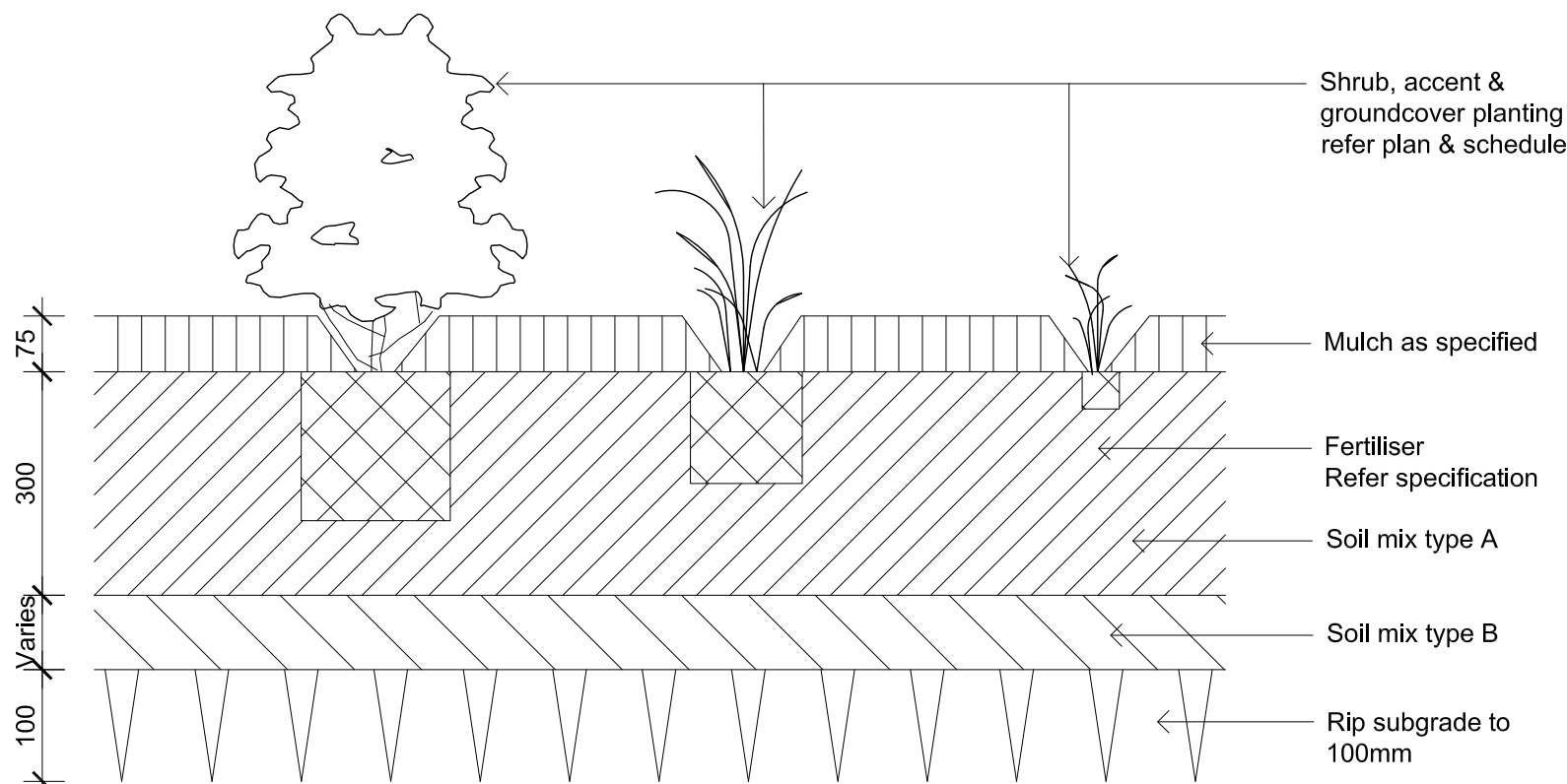
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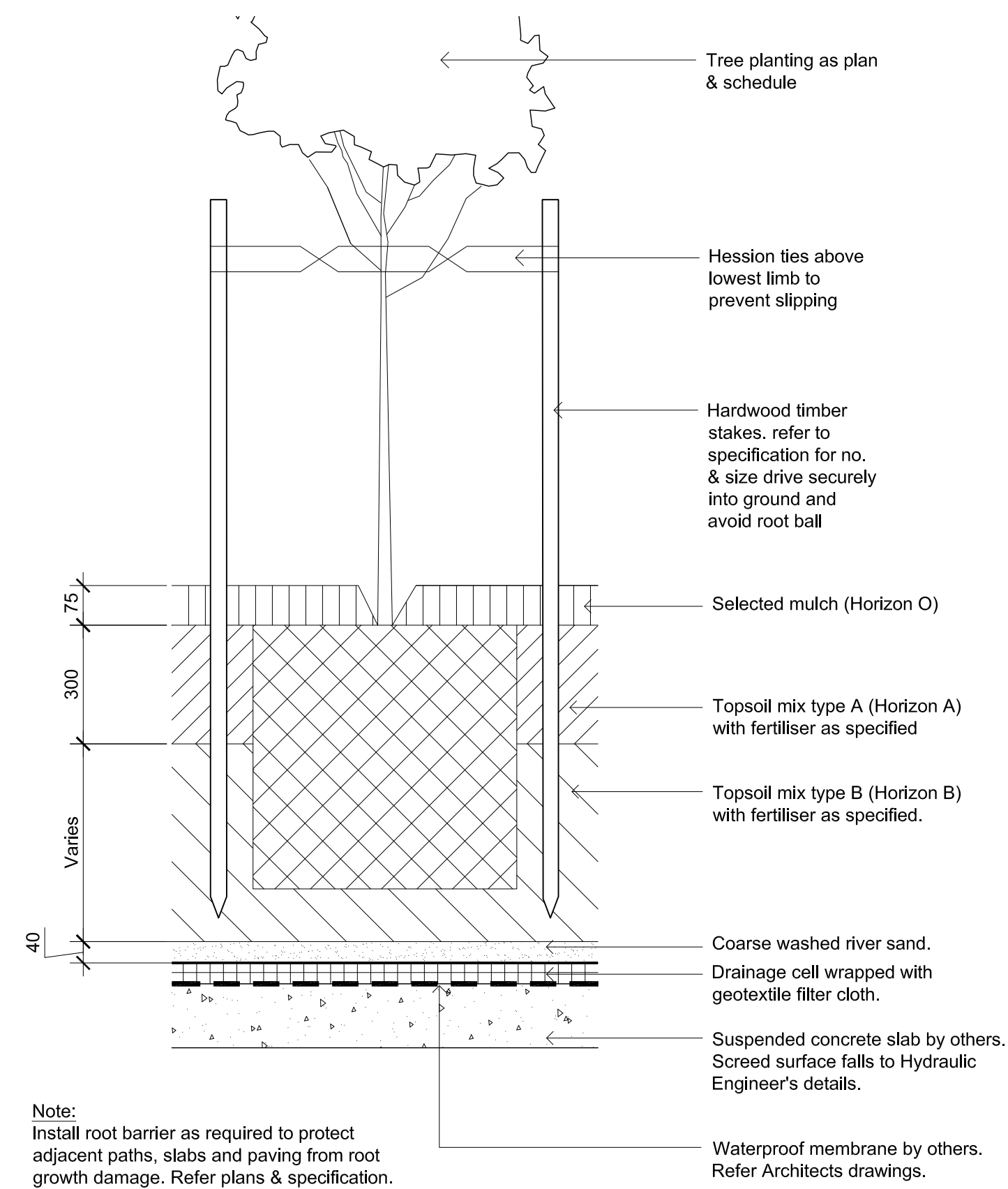
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Section - Typical Raised Planter Bed on Structure
Inspection riser pipe



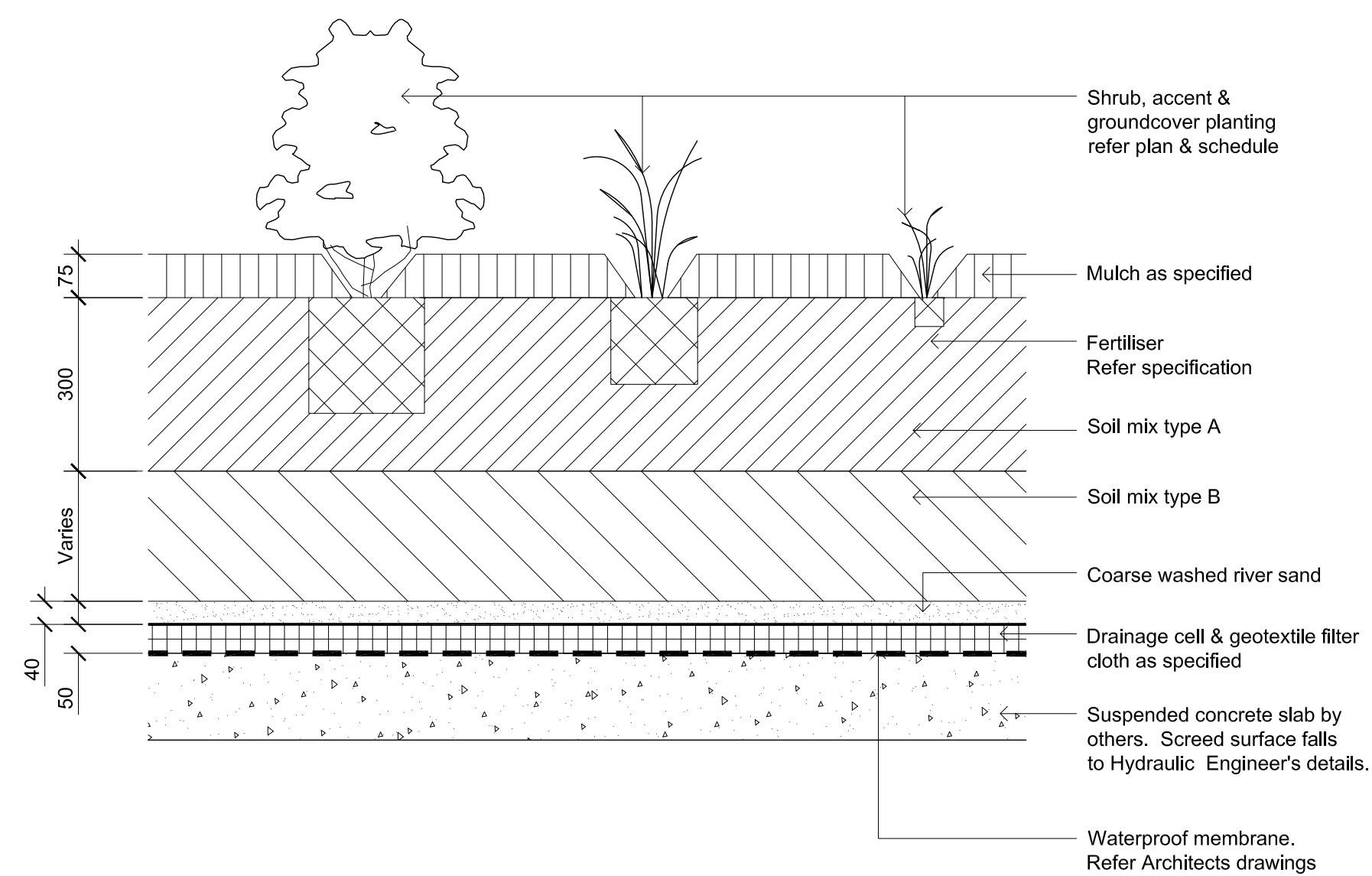
05
L-501
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Detail 75-200L Tree Planting on Grade



06
L-501
1:10
Detail Shrub Accent & Groundcover Planting on Grade



07
L-501
1:10
Detail 75-200L Tree Planting on Structure



08
L-501
1:10
Detail Shrub Accent & Groundcover Planting on Structure

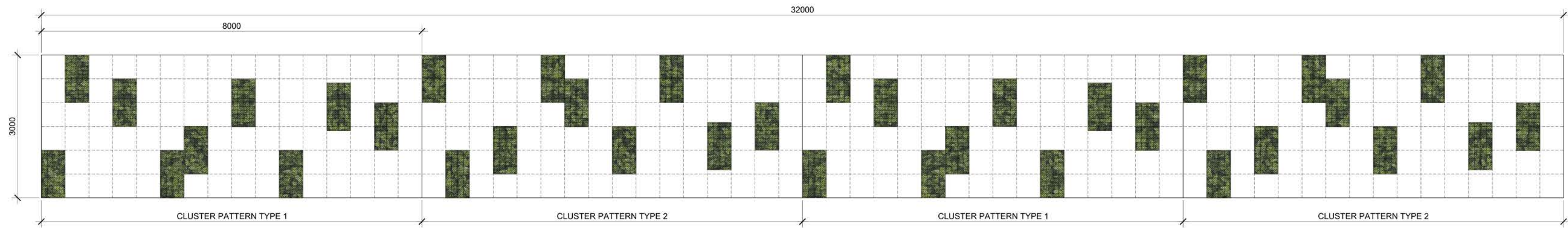
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Issue Revision Description

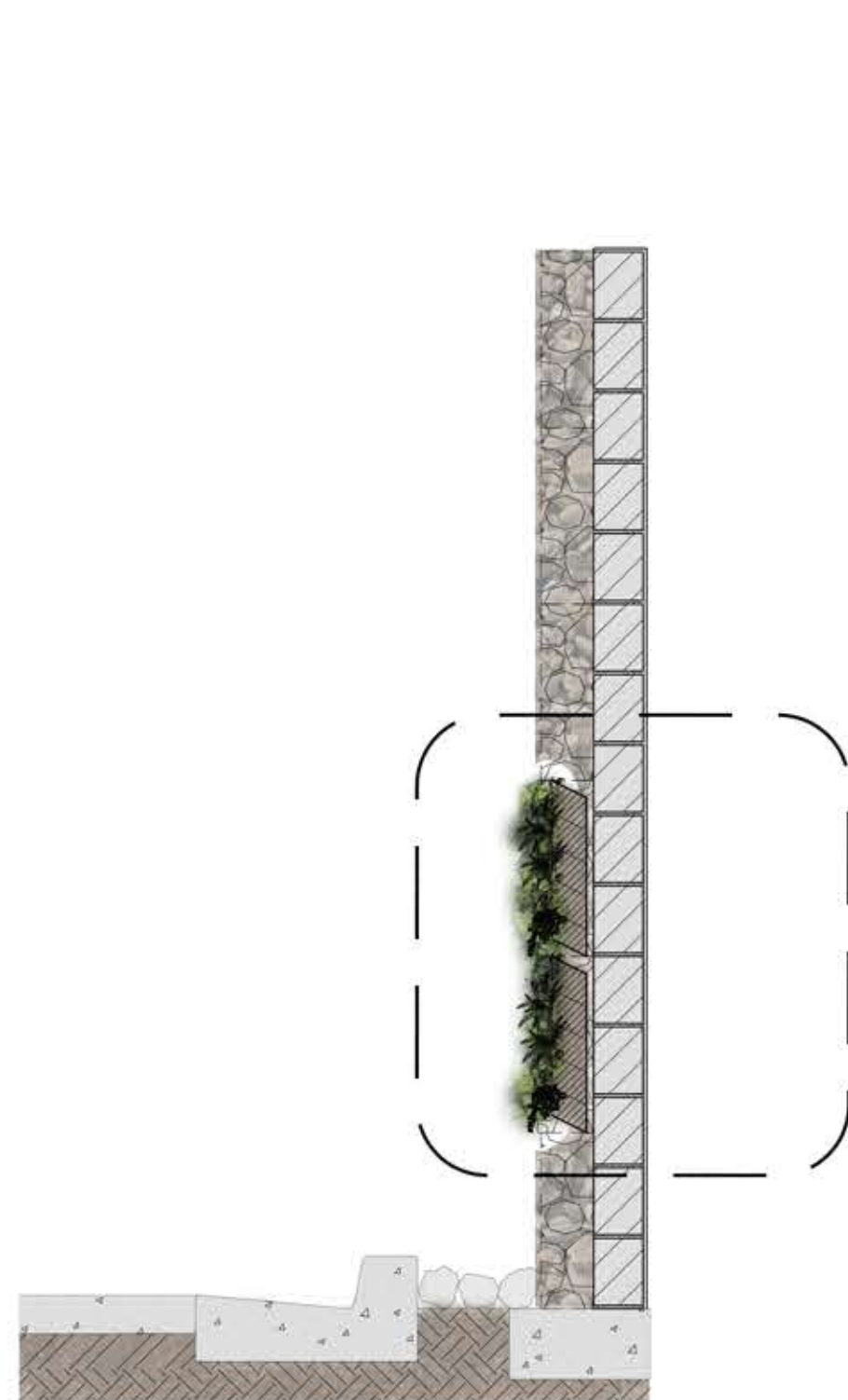
NP RS 18.03.2020
Drawn Check Date



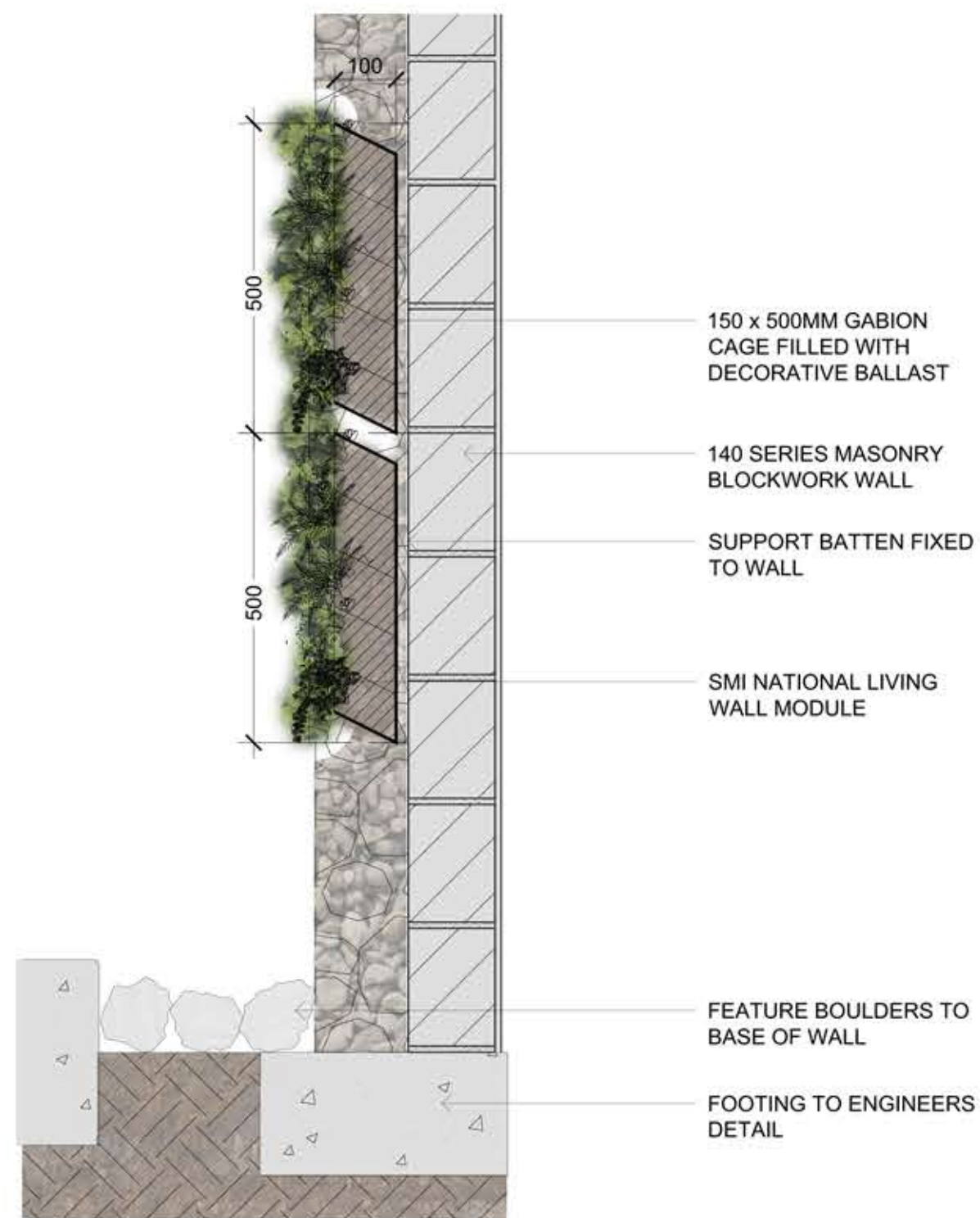
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ELEVATION - GREEN WALL



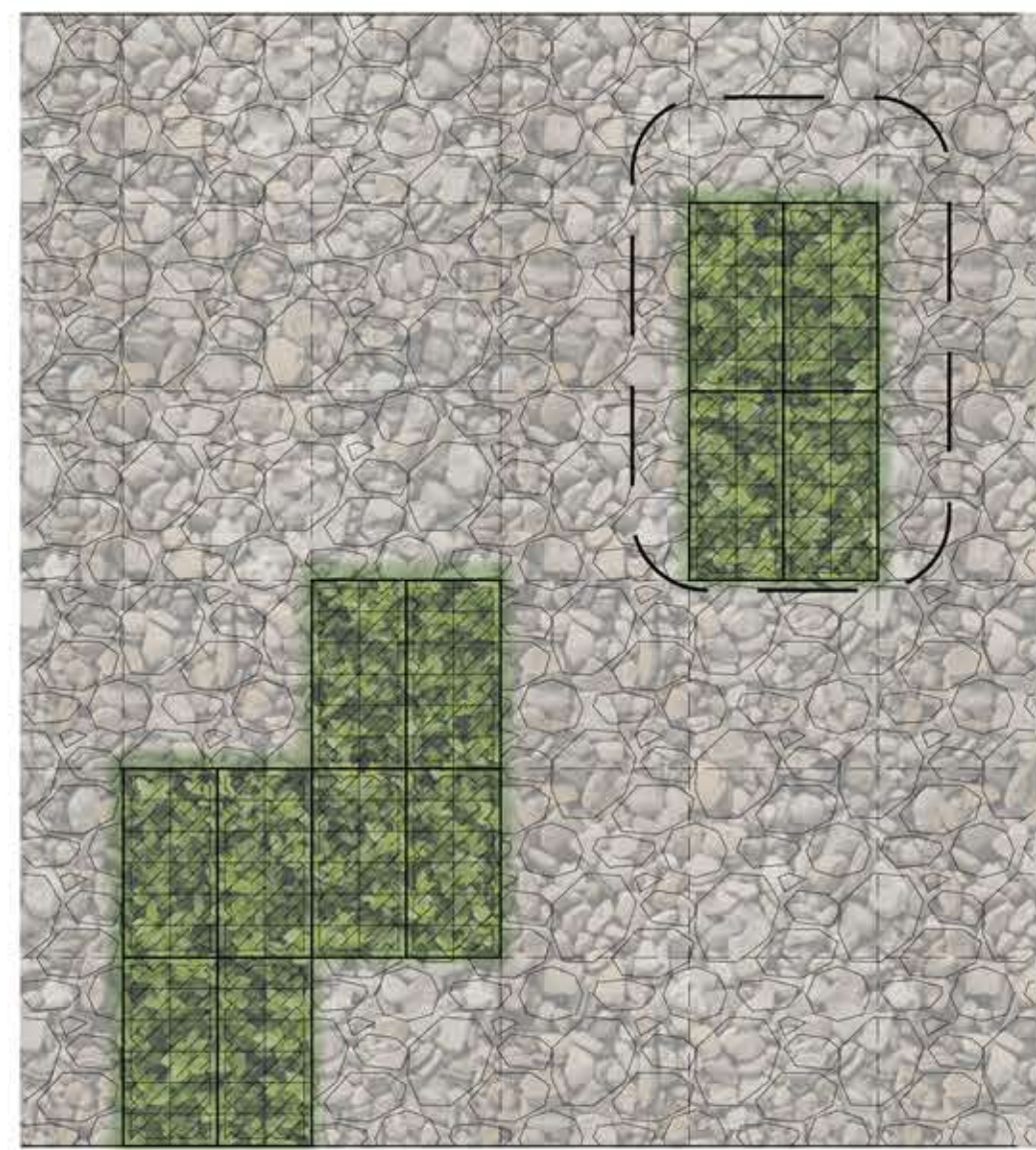
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ELEVATION - GREEN WALL



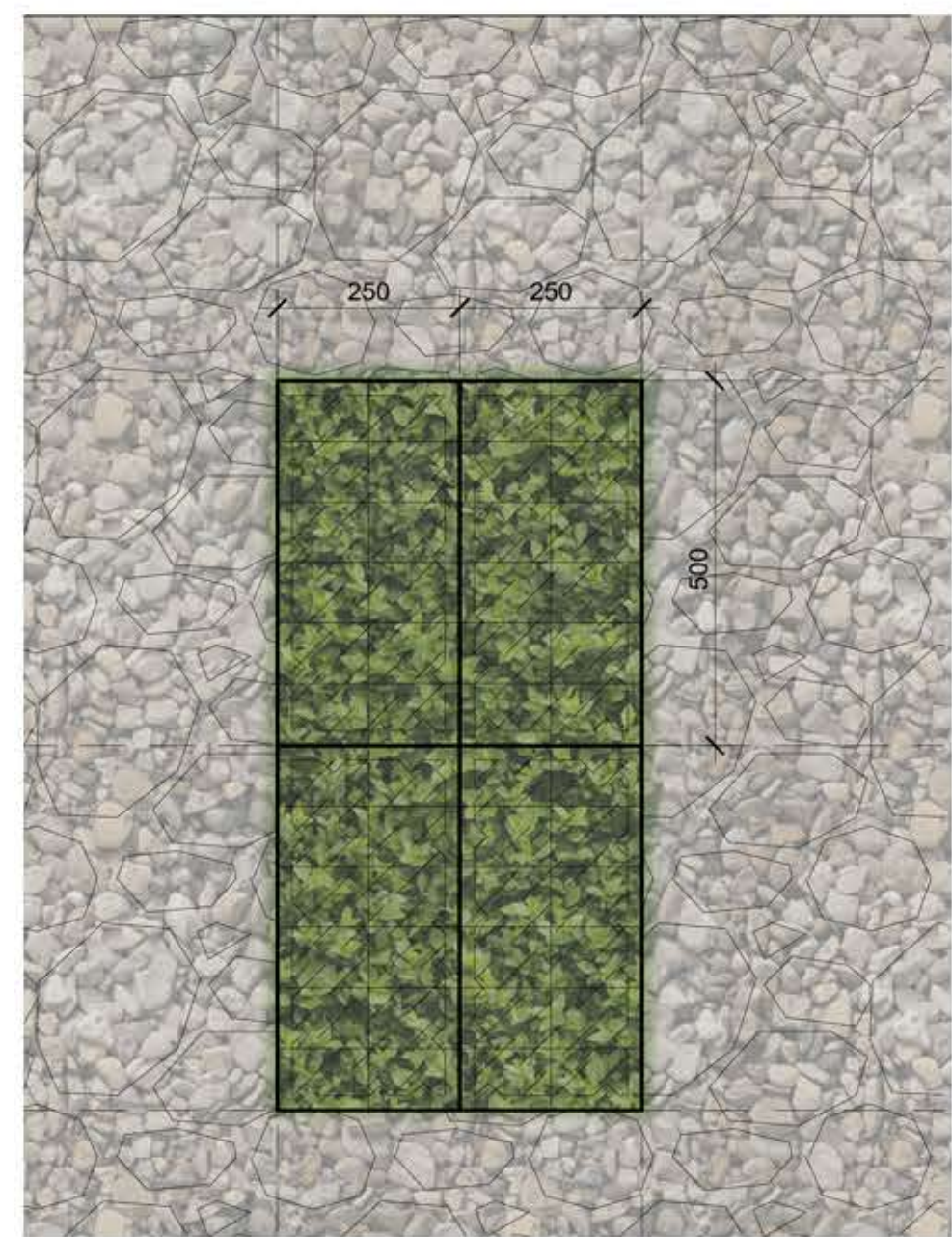
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1:20
TYPICAL SECTION - GREEN WALL



04
L-502
1:10
TYPICAL SECTION - GREEN WALL



05
L-502
1:20
DETAILED ELEVATION - GREEN WALL



06
L-502
1:10
TYPICAL SECTION - GREEN WALL

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Project:
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Liverpool NSW 2170

Drawing Name:
Landscape Details
Green Wall

DEVELOPMENT APPLICATION
Scale: 1:150 @ A1
Job Number:
SS20-4354
Drawing Number:
L-502
Issue:
A