# 45-57 MOXON ROAD, PUNCHBOWL, NSW, 2196

# Landscape Documentation for State Significant Development Application





IMAGE TAKEN FROM NEARMAP 2022 ( T

### **Design Summary**

This landscape plan meets the requirements of the Minister's Project Specific SEARS regarding trees and landscaping. The proposed design is intended to provide a positive outcomes for 45-57 Moxon Road, Punchbowl in terms of landscaping areas and contributing to urban tree canopy. The location of the existing trees on site can be found on the detail plans SSD-03 to SSD-06. This in conjunction with the arborist report (Canopy Consulting) specifies the number of trees to be retained and removed. The landscape area will amount to 3,451 sqm which is 10% of the total site area. Within this landscape area approximately 3,044 sqm will be deep soil. All tree species chosen will reach a height of 5m and greater to ensure adequate canopy coverage is achieved. This will help in particular to provide screening from the southern and eastern boundaries of site and soften the built form. The view from the streetscape will be seen as layers of native groundcovers, shrubs both small, medium and large, and two rows of canopy trees to create a high quality landscape. The tree selection consists mainly of ingenious and natives species with one deciduous exotic tree used to highlight site entrances as a form of wayfinding. Of the native trees selected, Eucalyptus are positioned to provide shade to hardstand areas, helping to mitigate the urban heat island effect. This landscape plan will help to increase the urban tree canopy cover with 229 proposed trees on site that will provide shade, screening and amenity to 45-57 Moxon Road Punchbowl.

### **Drawing Register**

Dwg No.	Drawing Name		
SSD-00	Landscape Cover Sheet	SSD-06	Land
SSD-01	Landscape Masterplan	SSD-07	Uppe
SSD-02	Canopy Calculation	SSD-08	Land
SSD-03	Landscape Detail Plan 1	SSD-09	Land
SSD-04	Landscape Detail Plan 2	SSD-10	Spec
SSD-05	Landscape Detail Plan 3	SSD-11	Plant

# Department of Planning, Housing and Infrastructure

Issued under the Environmental Planning and Assessment Act 1979

Approved application number: SSD-55266460

Granted on: 19 July 2024

Signed: JF Sheet number: 1 of 12

dscape Detail Plan 4 per Floors Detail Plans ndscape Section AA dscape Sections BB & CC ecifications & Details ant Schedule & Imagery





**Drawing Title: Landscape Cover Sheet** 

DWG No:





**Architect:** 





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Project:		45-57 MC	oxon Road,	G	15.09.23	FOR SSD	KC	BG
		Punchbo	wl, NSW 2196	Н	04.10.23	FOR SSD	KC	BG



**Landscape Masterplan**DWG No:

SSD-01

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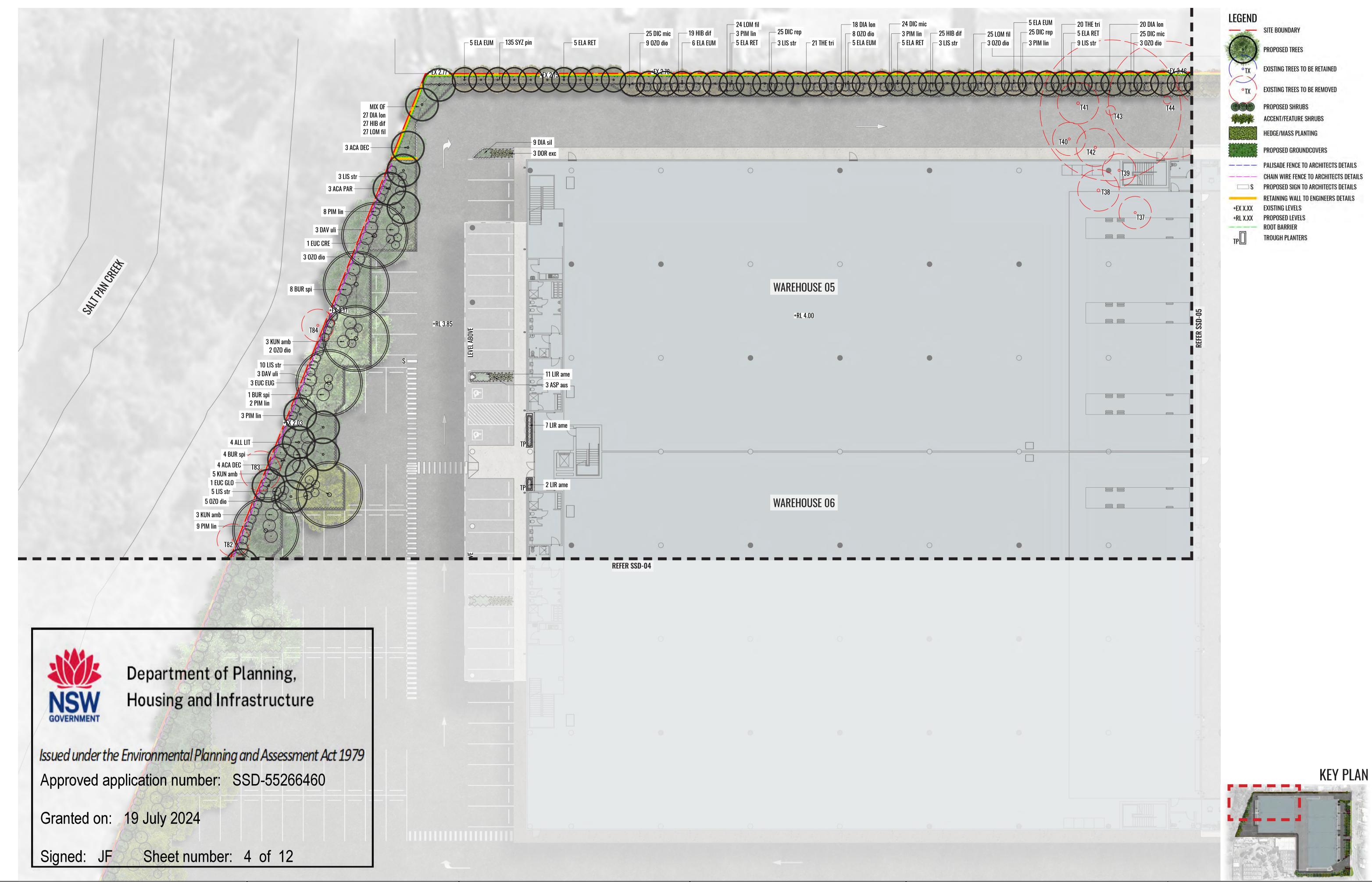
**Canopy Calculation** DWG No:

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		Punchbo	owl, NSW 2196	H	04.10.23	FOR SSD	



**Drawing Title:** 

DWG No:

**Landscape Detail Plan 1** 

SSD-03

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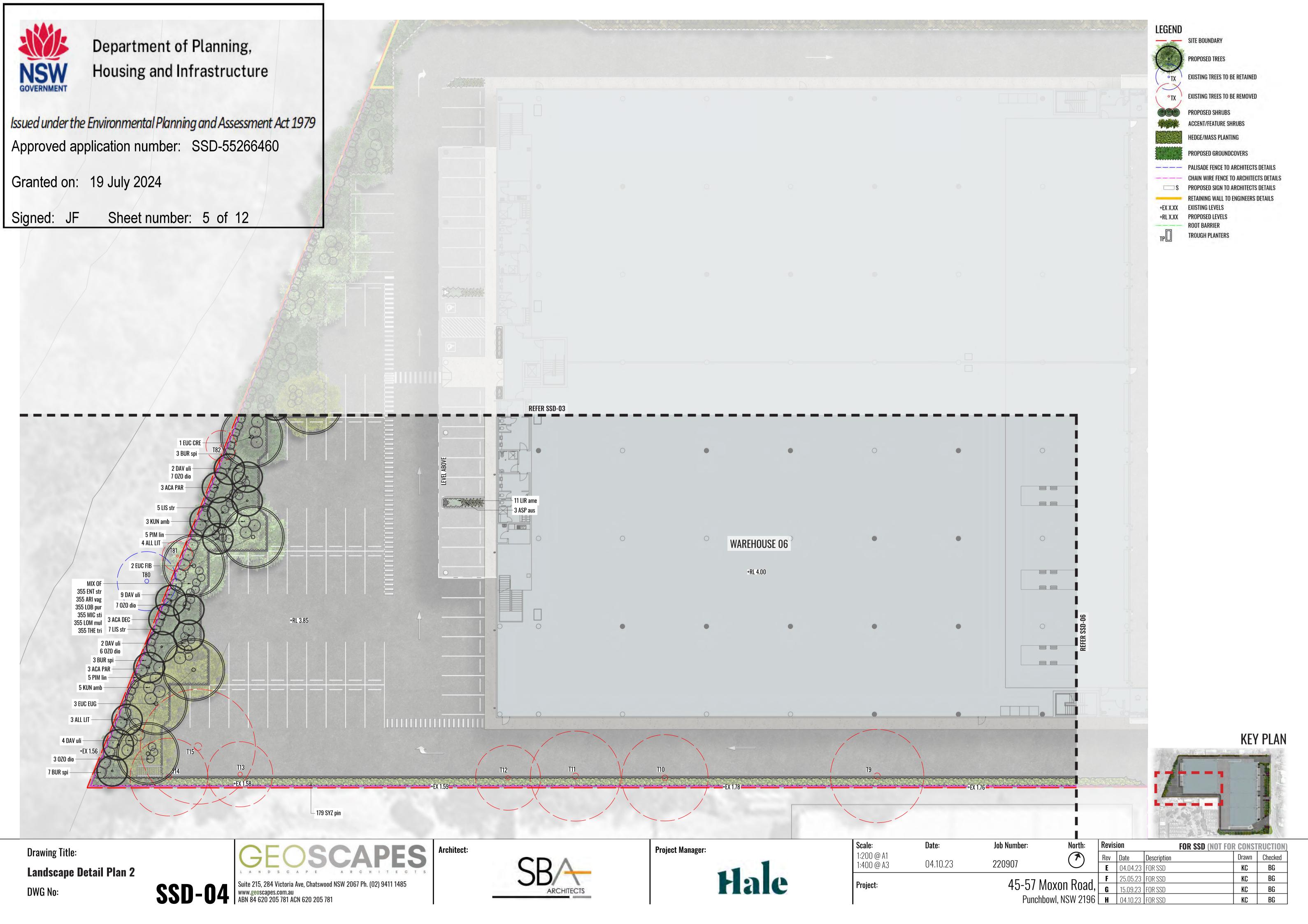


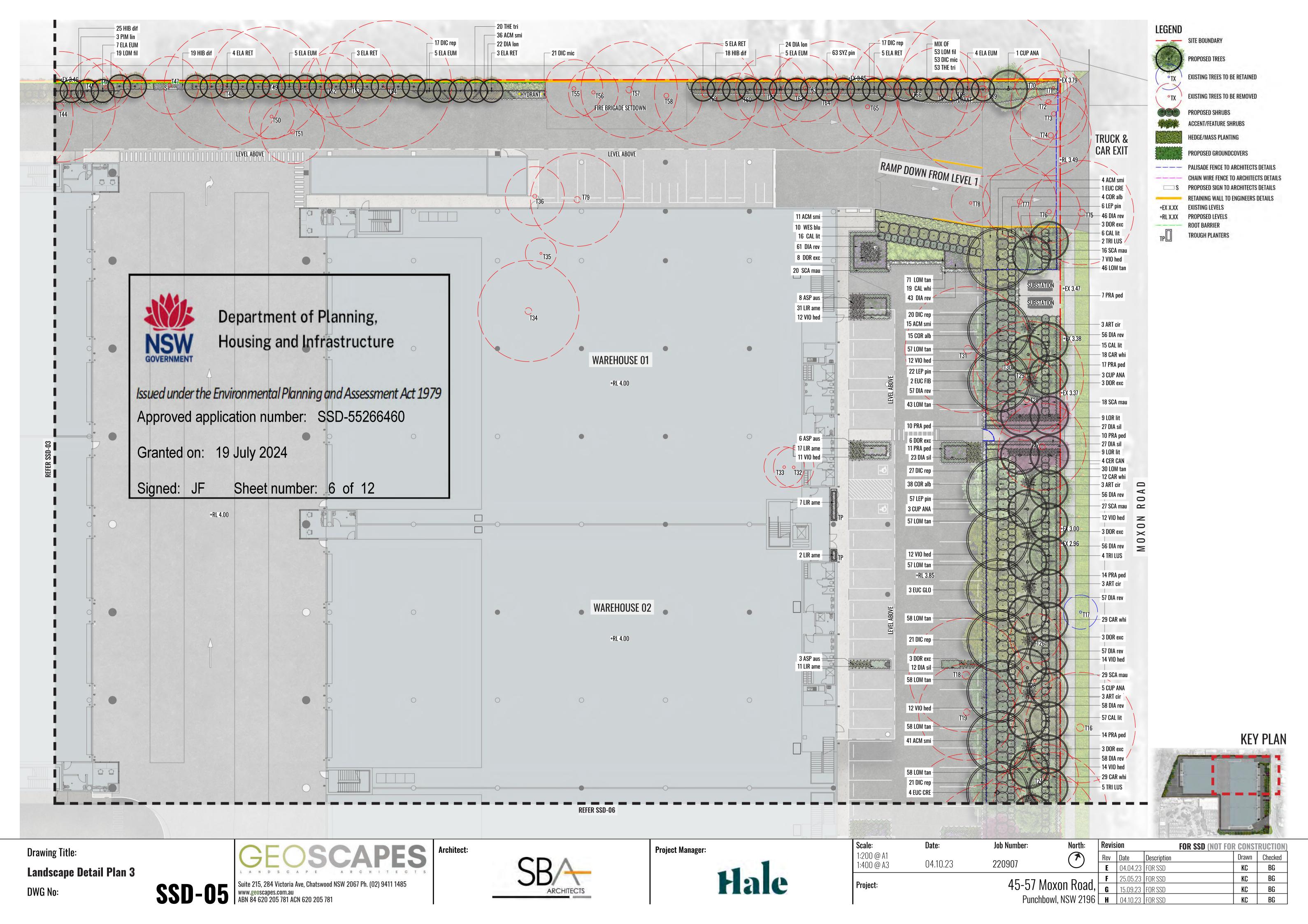
**Architect:** 

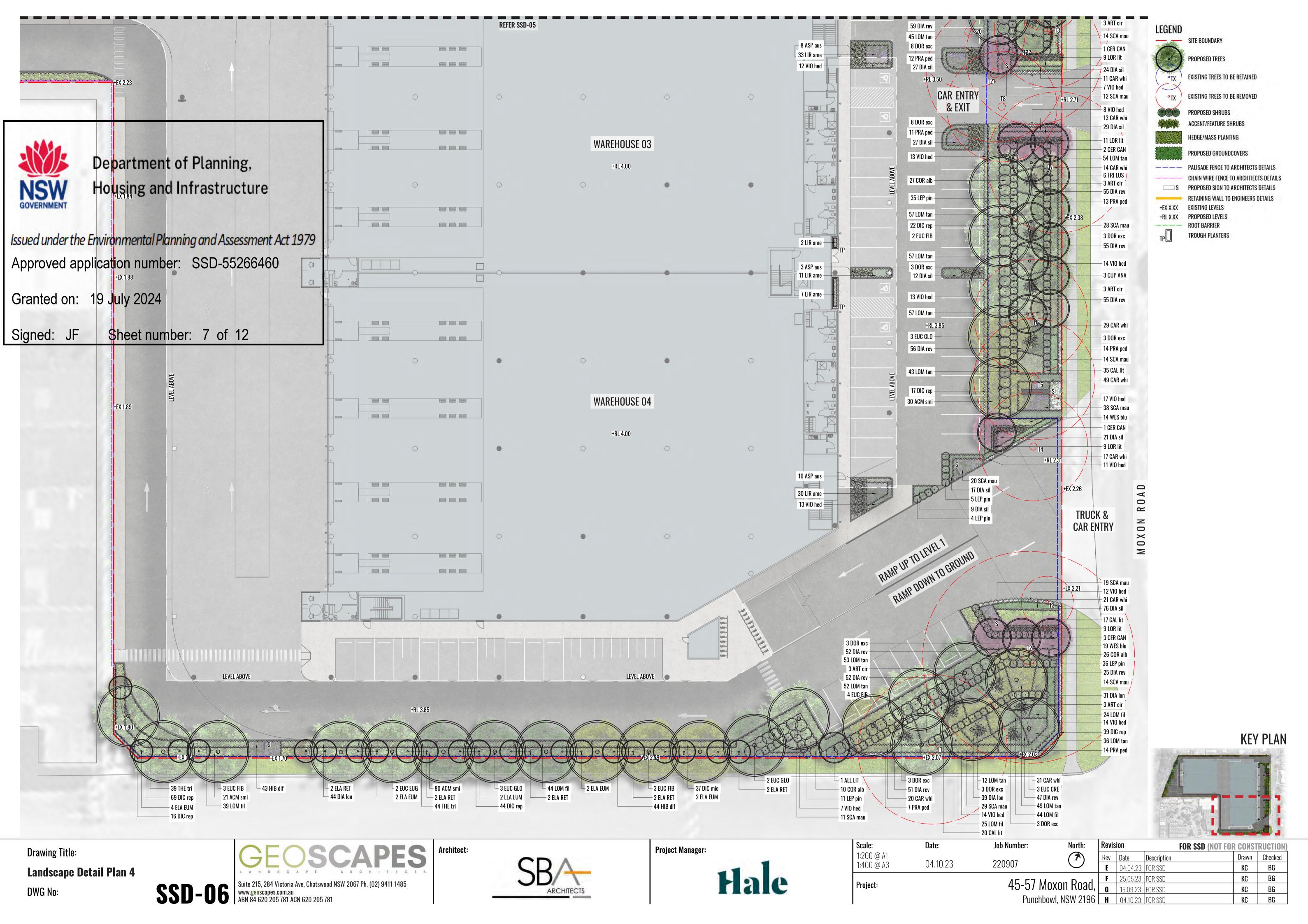
Project Manager:

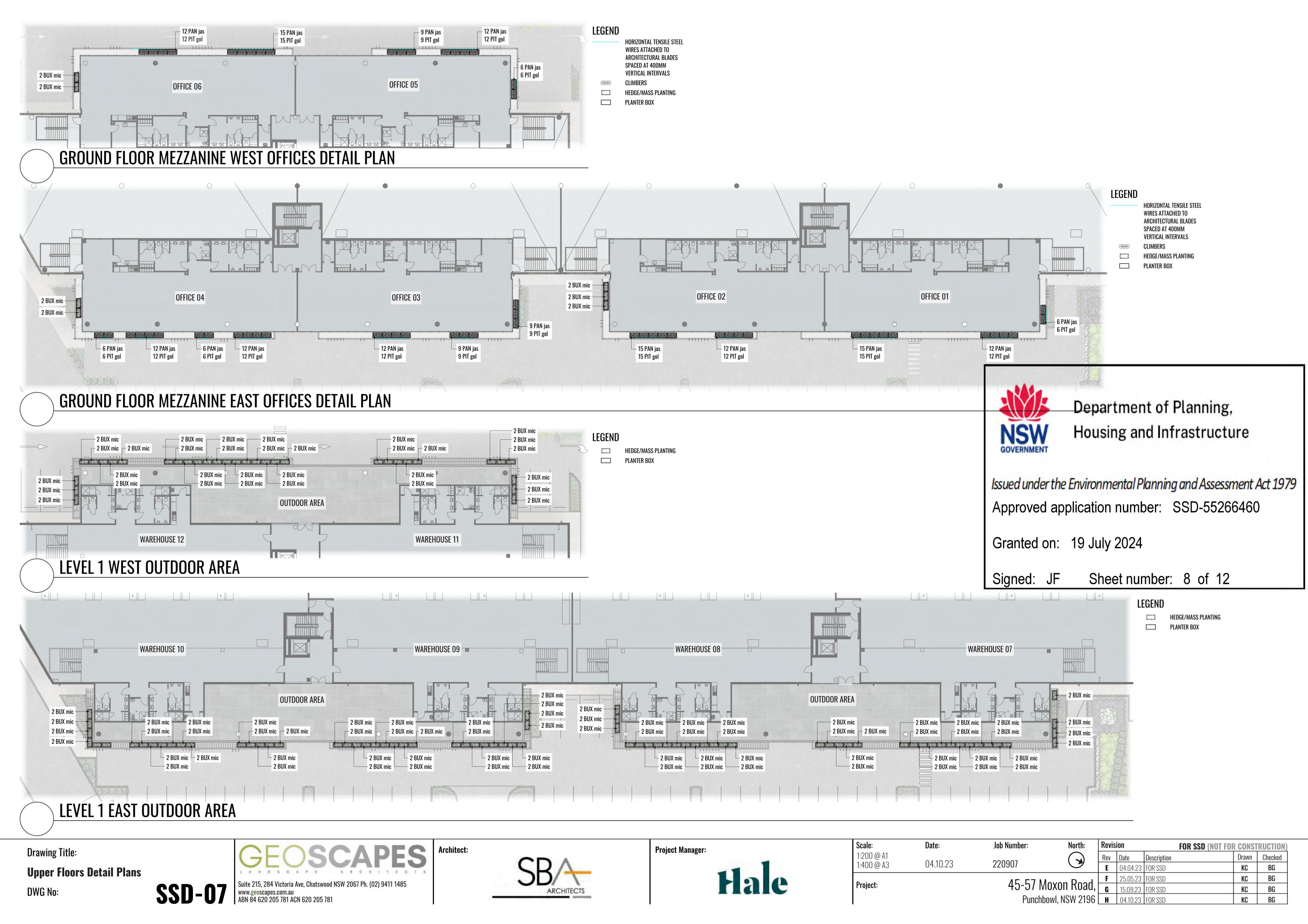


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Canopy trees to frontage of site comprising of native species Eucalyptus globoidea and Eucalyptus fibrosa

Layered planting of native species to include Correa alba, Callistemon viminalis 'Little John' and Pratia pedunculata

Fence to architects details

**KEY PLAN** 



**Drawing Title:** 

LEVEL 1 MEZZ

OFFICE 08

LEVEL 1

OUTDOOR

**GF MEZZ** 

OFFICE 02

Buxus hedge capable of reaching 2m in

Pandorea jasminoides climbers to

to architectural blades to create

400mm intervals

FLOODPLAIN PER EXISTING GRADES

horizontal tensile steel wires attached

structure for climbing plants placed at

**Landscape Section AA** 

**SECTION AA** 

**SCALE 1:50** 

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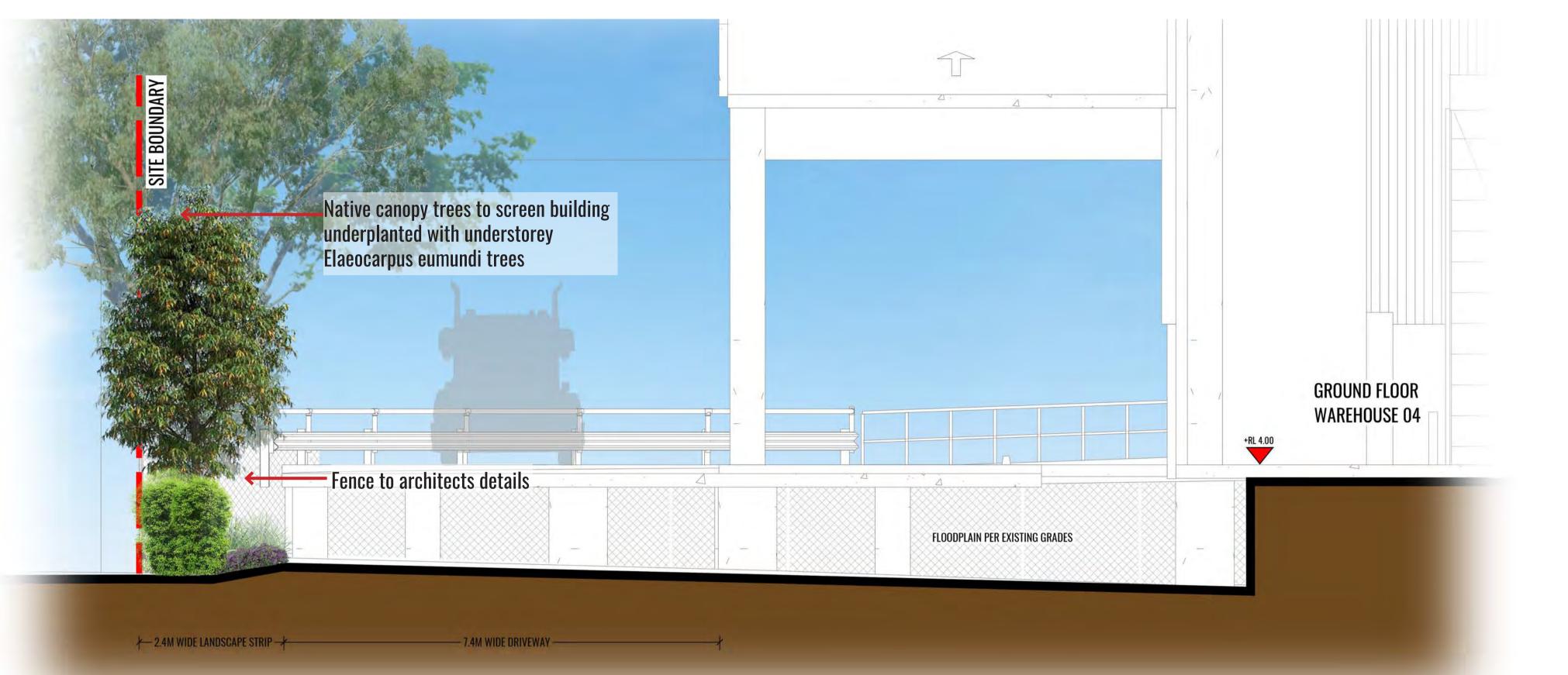
**Architect:** 

Views towards residential area of Moxon Rd

Views towards residential area of Moxon Rd



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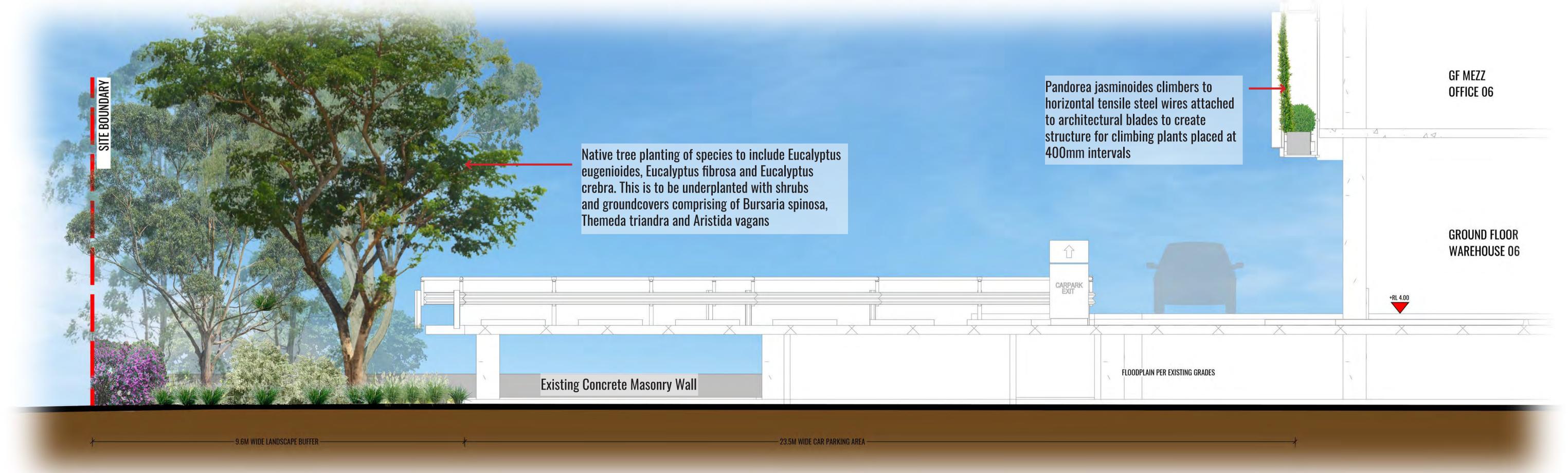
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Sheet number: 10 of 12

**SECTION BB** 

**SCALE 1:50** 





**Drawing Title:** 

**Landscape Sections BB & CC** 

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**Architect:** 

Project Manager:



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### MAINTENANCE PLAN

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. The landscape contractor shall attend the site on a **weekly basis** to maintain the landscape works commencing from practical completion.

### **Rubbish Removal**

The Landscape Contractor shall undertake rubbish removal from the site on a **weekly basis** to ensure the site remains in tidy condition.

### **Weed Eradication**

Weed growth that may occur in grassed, planted or mulched areas is to be removed using environmentally acceptable methods i.e. non-residual glyphosate herbicide (e.g. 'Roundup', applied in accordance with the manufacturer's direction.

### Tree Replacement

Trees shall show signs of healthy vigorous growth and be free from disease and not exhibit signs of stress prior to handover to the client. Any trees or plant that die or fail to thrive, or are damaged or stolen will be replaced. Replacement material shall have the initial maintenance period extended in accordance with the landscape contract conditions. Trees and plant materials shall be equal to the minimum requirements of species specified and approved material delivered to site. Should the condition decline from the approved sample the Superintendent reserves the right to reject the tree / plants. Frequency: as required.

### Stakes

Adjust and/or replace stakes and ties where required. Remove staking and guying when instructed by the Superintendent

Selective pruning may be required during the establishment period to promote a balanced canopy structure. These activities shall be carried out to the best horticultural and industry practice. All pruned material is to be removed from site.

### **Mulched Surfaces**

All planter beds and garden areas shall have a minimum depth of 75mm organic mulch. All mulch is to be free of deleterious matter such as soil, weeds, sticks and should conform to AS 4454.

Mulched surfaces are to be kept clean and tidy and free of any deleterious material and foreign matter. Reinstate depths to a uniform level of 75mm with mulch as specified, mulch to be free of any wood material impregnated with CCA or similar toxic treatment. Top up mulch levels prior to handover to client & estate management.

### Organic mulch is not to be used within 1m of a building. Use pebble mulch in these areas instead. Watering

Implement an appropriate hand watering regime in areas not irrigated in association with current watering programme to maintain plant health and vigour. The program shall reflect seasonal conditions and plant species. Frequency: Weekly or as required.

### Soil In Natural Ground

Non-Australian native garden beds to have soil installed consisting of 50% existing site topsoil and 50% new topsoil equal or equivalent to 'Organic Garden Mix' as supplied by Australian Native Landscapes. Australian native garden beds to have soil installed consisting of 50% existing site topsoil and 50% new topsoil equal or equivalent to 'Native Low 'P' Mix' as supplied by Australian Native Landscapes. Soil to conform to AS4419 refer to typical detail.

### Pest and Disease Control

The Landscape Contractor shall spray for pests and disease infestations when the pest and fungal attack has been positively identified and when their populations have increased to a point that will become detrimental to plant growth. Apply all pesticides to manufacturer's directions.

### Frequency: weekly inspection

### **Fertilising**

Generally check for signs of nutrient deficiencies (yellowing of leaves, failure to thrive), and adapt fertiliser regime to suit. Fertiliser should be applied at the beginning and the end of the (summer) growing season. Irrigation

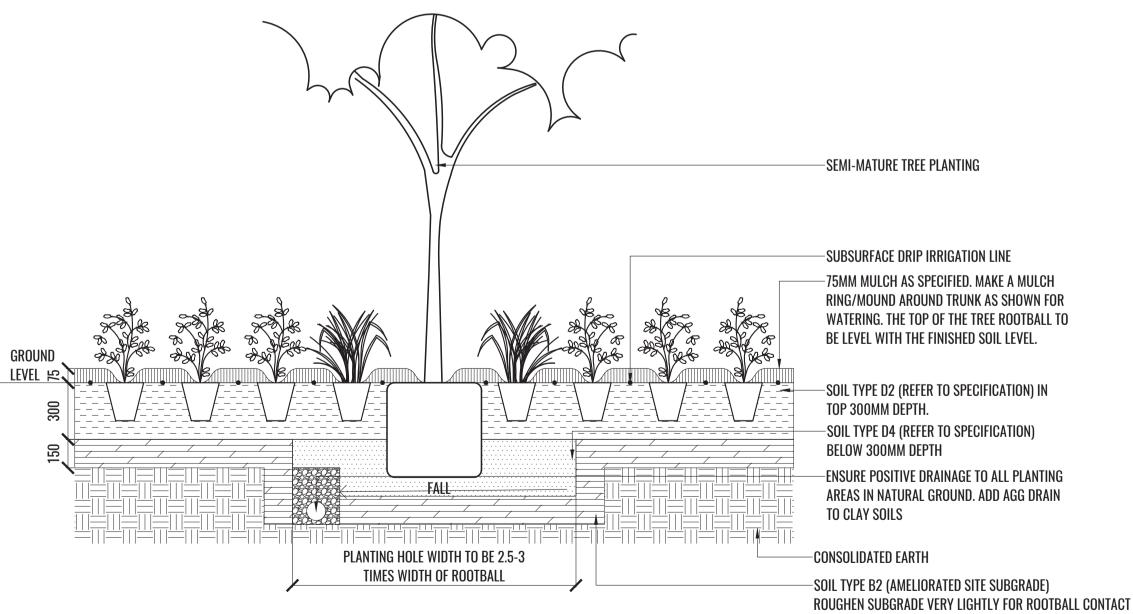
A sub surface dripper/spray style, electrically automated self timed irrigation system is to be supplied to all garden bed areas and planter containers. Regular checks are to be made to ensure continued successful operation. The Landscape Contractor shall be responsible for coordination and engagement of a specialist irrigation designer and installation contractor to design, supply and install an automatic subterranean drip irrigation system to all raised planter beds.

The irrigation system will need to provide designated landscaped areas with enough water for vigorous healthy plant growth. As a general rule landscaped areas will need 20-25mm, species dependent, of water per week. The landscape Contractor will need to monitor natural rainfall using a rain switch in order to set irrigation flow rates accordingly on a monthly basis.

### **Standards**

All grown or purchased plant stock must conform to all the conditions and requirements given in NATSPEC Guide: Specifying Trees. Soils to be in accordance with AS4419, mulching composts and conditioners to be in accordance with AS4454. Soils should conform to best practice specifications as listed in the Landscape Soils Handbook (Simon Leake & Elke Haege 2017).

TREE/SHRUB SIZE AND QUALITY TO BE TO NATSPEC STANDARD. SPECIES IS TO BE AS PER PLAN AND PLANT SCHEDULE. ENSURE ONLY HEALTHY AND VIGOROUS, DISEASE FREE, WELL MAINTAINED PLANTS ARE USED. TAKE CARE TO ENSURE FOLIAGE, BRANCHES, TRUNKS AND ROOT CROWNS ARE NOT DAMAGED BEFORE, DURING AND AFTER PLANTING. ENSURE OPTIMUM MAINTENANCE AND ESTABLISHMENT OF TREES/SHRUBS OCCURS AS SOON AS THEY ARE AT SITE



THOROUGHLY SOAK THE ROOTBALL OF TREE WITH FRESH WATER BEFORE TAKING OFF POT OR BAG. WHEN PLANTING HOLE IS COMPLET USE A SHARP SPADE TO SHAVE OFF 20-50MM OF THE SIDES AND BASE OF ROOTBALL (TO ROOD PRUNE IT) BEFORE CAREFULLY PLACING INTO PLANTING HOLE. IF NORTH IS MARKED ON THE TREE, ENSURE ORIENTATION IS CORRECT WITH NORTH MARKING TO THE NORTH.

- TOP OF ROOTBALL TO FINISH FLUSH WITH TOP OF SOIL

MASS PLANTING AND TREE DETAIL

## **Drawing Title:**

TYPICAL SECTION

## **Specifications & Details**

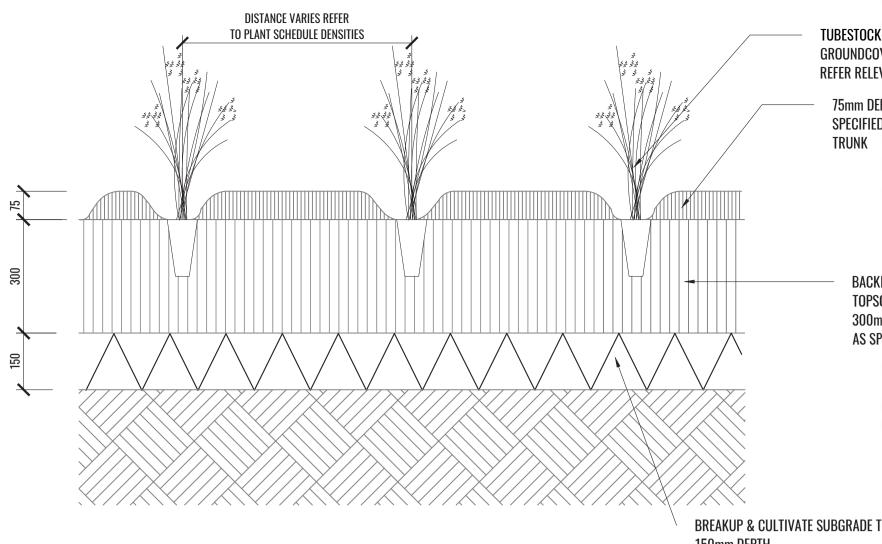
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# **Project Manager:**

### Job Number: Revision Date: FOR SSD (NOT FOR CONSTRUCTION Drawn | Checked 04.10.23 220907 N/A BG **E** 04.04.23 FOR SSD KC 45-57 Moxon Road, Punchbowl, NSW 2196 H 04.10.23 FOR SSD KC

# TYPICAL LANDSCAPE DETAILS



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Housing and Infrastructure

- BLADE FACADE TO ARCHITECTURAL DETAIL

HORIZONTAL HIGH TENSILE STEEL WIRE ATTACHED TO ARCHITECTURAL FACADE

- CLIMBERS AS PER DETAIL PLANS

PLANTED AT 400MM CENTRES

SHRUBS AS PER DETAIL PLANS

PRE-FABRICATED GRC PLANTER BOXES

SCALE 1:20

SHED AROUND BASE OF

75mm DI

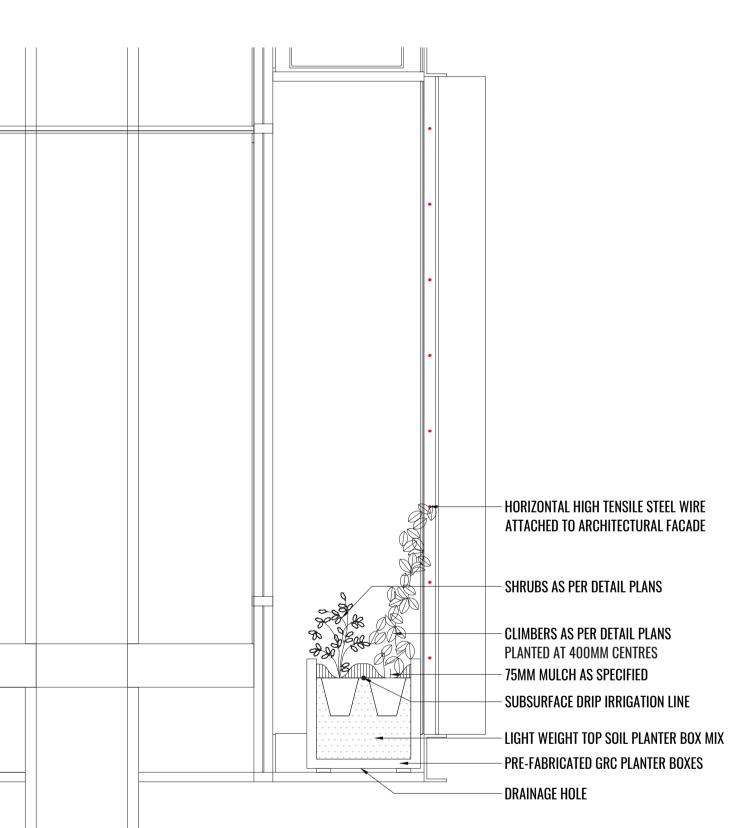
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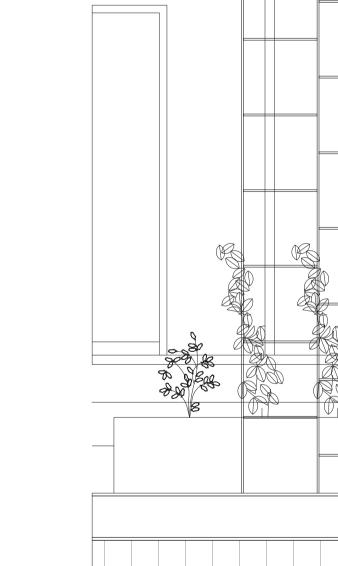
Granted on: 19 July 2024

Signed: JF Sheet number: 11 of 12

**BREAKUP & CULTIVATE SUBGRADE TO** 150mm DEPTH

TYPICAL TUBESTOCK PLANTING DETAIL TYPICAL SECTION SCALE 1:10





GROUNDFLOOR MEZZANINE PLANTER BOX TYPICAL DETAIL, TYPICAL ELEVATION

SCALE 1:20

Scale:

Project:

TYPICAL SECTION

GROUNDFLOOR MEZZANINE PLANTER BOX TYPICAL DETAIL

TO GROUND. ENSURE ADEQUATE DRAINAGE. ADD GYPSUM TO MANUFACTURER'S RECOMMENDED RATE IF NEEDED - REMOVE ANY STAKES, TIES AND LABELS. WATER ROOTBALL THOROUGHLY.

SCALE 1:20

**Architect:** 

# **PLANT SCHEDULE**

Code	Botanical Name	Common Name	Mature Height	Spacing	Install Size	Castlereagh Ironbark Forest	Native	Quanitity*
Trees			Holght		0120	Honbark Torost		
ACA DEC	Acacia decurrens	Black Wattle	3-10m	As Shown	75L	✓	✓	10
ACA PAR	Acacia parramattensis	Parramatta Wattle	15m	As Shown	75L	✓	<b>√</b>	9
ALL LIT	Allocasuarina littoralis	Black She-Oak	8m	As Shown	75L	✓	<b>√</b>	12
CER CAN	Cercis canadensis 'Forest Pansy'	Forest Pansy	5m	As Shown	75L			11
CUP ANA	Cupaniopsis anacardioides	Tuckeroo	5-8m	As Shown	75L		<b>√</b>	15
ELA EUM	Elaeocarpus eumundi	Quandong	8-15m	As Shown	75L		<b>√</b>	59
ELA RET	Elaeocarpus reticulatus	Blueberry Ash	9m	As Shown	75L		<b>√</b>	50
EUC CRE	Eucalyptus crebra	Narrow-leaved Ironbark	15-20m	As Shown	75L	✓	<b>√</b>	10
EUC EUG	Eucalyptus eugenioides	Thin-Leaved Stringybark	15-20m	As Shown	75L	<b>√</b>	<b>√</b>	8
EUC FIB	Eucalyptus fibrosa	Red Ironbark	15-20m	As Shown	75L	<b>√</b>	<b>√</b>	16
EUC GLO	Eucalyptus globoidea	White Stringybark	15-20m	As Shown	75L	<b>√</b>	<b>√</b>	12
TRI LUS	Tristaniopsis laurina 'Luscious'	Water Gum	8m	As Shown	75L		<b>√</b>	17
Shrubs	Tristamopsis laurina Luscious	Water dulli	Oili	AS SHOWN	751			17
ACM smi	Acmena smithii 'DOW 30' Sublime	Sublime Lilly Pilly	5m**	1.25m Ctrs	200mm		<b>√</b>	238
ART cir		New Zealand Rock Lily	0.85m	As Shown	200mm		v	236
	Arthropodium cirratum  Applenium evetrelegieum			As Shown	200mm		<b>√</b>	44
ASP aus	Asplenium australasicum	Birds Nest Fern	1m	As Shown	200mm	<b>✓</b>	<b>✓</b>	
BUR spi	Bursaria spinosa	Blackthorn	1.5-4m	As Shown	200mm	<b>Y</b>	<b>✓</b>	26
CAL lit	Callistemon viminalis 'Little John'	Bottlebrush	0.75-1m		1			166
COR alb	Correa alba	White Correa	1.5m	As Shown	200mm	<b>√</b>	<b>√</b>	120
DAV uli	Daviesia ulicifolia	Gorse Bitter-pea	2m	As Shown	200mm	<b>V</b>	<b>√</b>	23
DOR exc	Doryanthes excelsa	Gymea Lily	2m	As Shown	200mm	,	<b>√</b>	72
KUN amb	Kunzea ambigua	Tick Bush	2m	As Shown	200mm	✓	<b>√</b>	19
LEP pin	Leptospermum 'Pink Cascade'	Pink Cascade Tea Tree	0.8m	As Shown	200mm		<b>√</b>	176
LIS str	Lissanthe strigosa	Peach Heath	1m	As Shown	200mm	✓	<b>√</b>	45
LOR lit	Loropetalum 'Little China Ruby'	Loropetalum	1m	As Shown	200mm	,		56
OZO dio	Ozothamnus diosmifolius	Rice Flower	0.5-1.2m	As Shown	200mm	<b>√</b>	<b>√</b>	56
PIM lin	Pimelea linifolia	Slender Rice Flower	1.5m	As Shown	200mm	✓	<b>√</b>	44
SYZ pin	Syzygium australe 'AATS' Pinnacle'	Pinnacle Lilly Pilly	6-10m	0.75m Ctrs	200mm		<b>√</b>	377
WES blu	Westringia fruticosa 'Blue Gem'	Coastal Rosemary	1-1.5m	0.75m Ctrs	200mm		<b>✓</b>	43
	Groundcovers		T		T =			
ARI vag	Aristida vagans	Threeawn Speargrass	0.8m	5/m2	Tubestock	✓	✓	355
CAR whi	Carpobrotus rossii 'White hot'	Native Pigface	0.2m	3/m2	140mm		✓	293
DIA lon	Dianella longifolia	Flax Lily	1.5m	5/m2	Tubestock	✓	✓	225
DIA rev	Dianella revoluta	Black–anther Flax Lily	0.75m	5/m2	Tubestock	✓	✓	1112
DIA sil	Dianella 'Silver Streak'	Flax Lily	04-0.5m	5/m2	Tubestock		✓	340
DIC mic	Dichelachne micrantha	Short-Hair Plume Grass	1.2m	5/m2	Tubestock	✓	✓	185
DIC rep	Dichondra repens	Kidney Weed	0.1m	5/m2	140mm	✓	✓	380
ENT str	Entolasia stricta	Wiry Panic	0.8m	5/m2	Tubestock	✓	✓	355
HIB dif	Hibbertia diffusa	Wedge Giunea Flower	0.3m	5/m2	140mm		✓	220
LIR ame	Liriope muscari 'Amethyst'	Lilyturf Amethyst	0.4m	5/m2	140mm			182
LOB pur	Lobelia purpurascens	White Root	0.1m	5/m2	Tubestock		✓	355
LOM mul	Lomandra multiflora subsp. Multiflora	Many-Flowered Mat-Rush	0.4m	5/m2	Tubestock	✓	✓	355
LOM tan	Lomandra longifolia 'Tanika'	Mat Rush	0.5m	5/m2	Tubestock		✓	1108
LOM fil	Lomandra filiformis	Wattle Mat-Rush	0.5m	5/m2	Tubestock	✓	✓	324
MIC sti	Microlaena stipoides	Weeping Grass	0.3m	5/m2	Tubestock	✓	✓	355
PRA ped	Pratia pedunculata	Matted Pratia	0.1m	3/m2	140mm		✓	154
SCA mau	Scaevola aemula 'Mauve Clusters'	Fan Flower	0.2m	3/m2	140mm		✓	309
THE tri	Themeda triandra	Kangaroo Grass	1.5m	5/m2	Tubestock	✓	✓	552
VIO hed	Viola hederacea	Native Violet	0.1m	3/m2	140mm	✓	✓	261
Upper leve	Is Planting							
BUX mic	Buxus microphylla 'Japonica'	Japanese Box	2m	0.5m Ctrs	200mm			220
PAN jas	Pandorea jasminoides	Bower Vine	0.15m	As Shown	200mm		<b>√</b>	180
PIT gol	Pittosporum tenuifolium 'Golf Ball'	Pittosporum Golf Ball	0.5m	0.4m Ctrs	200mm			180
_	 bers to be finalised at Detailed Design / CC-Te	ender stage	<u> </u>	I	1	I	ı	<u> </u>
**To be trim								

A. Tristaniopsis laurina 'Luscious' B. Callistemon viminalis 'Little John' C. Doryanthes excelsa D. Pimelea linifolia E. Leptospermum 'Pink Cascade' F. Viola hederacea G. Pandorea jasminoides H. Carpobrotus rossii 'White hot' I. Kunzea ambigua J. Eucalyptus fibrosa K. Dianella 'Silver Streak' L. Dianella revoluta M. Lomandra longifolia 'Tanika' N. Pratia pedunculata O. Cercis canadensis 'Forest Pansy' P. Loropetalum 'Little China Ruby' Q. Westringia fruticosa 'Blue Gem'

Drawing Title:

Plant Schedule & Imagery
DWG No:

SSD-11

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ABN 84 620 205 781 ACN 620 205 781



**Architect:** 

**PLANT IMAGES** 

Project Manager:



ale:	Date:	Job Number:	North:	Revis	Revision FOR SSD (NOT FOR			RUCTION)
	0.4.10.00	000007	N1 / A	Rev	Date	Description	Drawn	Checked
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Department of Planning.

Housing and Infrastructure