# **THE YARDS LOT 14 PROBIOTEC**

# **KEMPS CREEK INDUSTRIAL COMMUNITY NSW 2178**

LANDSCAPE CONCEPT PLAN 20.06.2023 DA SUBMISSION **ISSUE H** 



## **DRAWING LIST:**

- L-01 Coversheet
- L-02 Estate Landscape Area
- L-03 Landscape Masterplan
- Landscape Concept Plan 01 L-04
- Landscape Concept Plan 02 L-05
- Landscape Concept Plan 03 L-06
- Landscape Concept Plan 04 L-07
- Landscape Concept Plan 05 L-08 Landscape Concept Plan 06
- L-09 Landscape Setback Detail Plan L-10
- L-11 Landscape Sections
- Proposed Plant Schedule L-12
- L-13 Typical Specification & Maintenance Notes
- L-14 Typical Landscape Details







When this symbol appears on the drawing, Habit8 with our selected nursery partner will donate 5 x 300mm pot size endensic canopy trees to the local Landcare group in the LGA. This initiative is a joint commitment with landscape architect and client in providing local tree canopy cover to help mitigate the urban heat island effect while increasing local biodiversity values.

### LANDSCAPE ARCHITECT:







PROJECT DRAWING TITLE THE YARDS LOT 14 PROBIOTEC ESTATE LANDSCAPE AREA KEMPS CREEK INDUSTRIAL COMMUNITY NSW 2178

PROJECT NO. PURPOSE H8-22025 DA SUBMISSION

SCALE 1:5000 @A3 H

REVISION DATE

20.06.2023 KM/DG

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#### SITE BOUNDARY

THE YARDS KEMPS CREEK MODIFICATION 3 Landscape Area: 10,221 m<sup>2</sup> or 0.87%

THE YARDS LOT 14 PROBIOTEC Landscape Area: 9,177.70 m<sup>2</sup> or 0.78%

CARGOLINE THE YARDS LOT 13 Landscape Area: 3,709.31 m<sup>2</sup> or 0.31%

KEMPS CREEK ARDEX Landscape Area: 6,045.93 m<sup>2</sup> or 0.51%

THE YARDS MOD 4 LOT 6 Landscape Area: 3,562.7 m<sup>2</sup> or 0.30%

LOT 9 KEMPS CREEK Landscape Area: 3,591 m<sup>2</sup> or 0.30%

TTI THE YARDS Landscape Area: 13,789 m<sup>2</sup> or 1.17%

SYD03 DATA CENTRE (FOR MICROSOFT) Landscape Area: 23,097 m<sup>2</sup> or 1.96%

FUTURE DEVELOPMENT (WAREHOUSE 8) Landscape Area: 4,895 m<sup>2</sup> or 0.41%

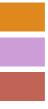
RE1 & RE2 LAND Landscape Area: 80,024 m<sup>2</sup> or 6.78%

THE YARDS ESTATE (STREETSCAPE) Landscape Area: 40,365 m<sup>2</sup> or 3.42%

STAGE 1 LOTS 3, 4 & 5 Landscape Area: 272,642m<sup>2</sup> or 23.11%

TOTAL ESTATE LANDSCAPING (m<sup>2</sup>) TOTAL ESTATE AREA (m<sup>2</sup>) TOTAL ESTATE LANDSCAPING (%)

557,305 1,179,627 47.24%



SOUTH LINK ROAD 26,911 m<sup>2</sup>

FREIGHT ROAD CORRIDOR 33,224 m<sup>2</sup>

MAMRE ROAD DEDICATION 26,050 m<sup>2</sup>







## LANDSCAPE MASTERPLAN

#### **TREE CANOPY COVER** KEY LOT 14 TOTAL SITE AREA TOTAL CONCRETE SURFACE ----- SITE BOUNDARY PROPOSED TREE PLANTING TREE TREE CANOPY CANOPY TO ENGINEER'S DETAILS REFER TO PLANT SCHEDULE TOTAL TREE NO. 384 NO. CANOPY AREA (m<sup>2</sup>) COVER 2100mm HT PALISADE FENCE TOTAL SQM CANOPY COVER 9.644 (m²) TO ARCHITECT'S DETAILS TOTAL CANOPY PERCENTAGE PAVED SURFACE TO ARCHITECT'S 172 1204 3m 7 DETAILS 2100mm HT BLACK PVC TURF LANDSCAPE AREA SQ 60 5m 20 1200 COATED CHAIN WIRE FENCE REFER TO DETAIL PERMEABLE SURFACE (50% OF 8,713.91) WITH BARBED WIRE TOTAL PERMEABLE AREA 53 6m 30 1590 PERVIOUS SURFACE / PERMEABLE MASS PLANTING BEDS TO ARCHITECT'S DETAILS TOTAL LANDSCAPE PERCENTAGE PAVERS REFER TO DETAIL AND PLANT 74 8m 50 3700 TO ENGINEER'S DETAILS CONCRETE EDGE SCHEDULE DCP REQUIREMENT 15% 25 1950 REFER TO DETAIL 10m 78 \_\_\_\_ \_\_\_\_ ----\_\_\_\_ **DESIGN NOTES** 1. LANDSCAPE SETBACK 2. FOOTPATH & STREET TREES PART OF SEPARATE DOCUMENTATION SET TRUCK ENTRY / EXIT 3 CAR ENTRY / EXIT 4. BOUNDARY PLANTING 5. 6. CYCLEWAY T 7. OFFICE ENTRY CAR PARK 8. BIKE RACK TO ARCHITECT'S 9. \_\_\_\_\_ DETAILS 10. ESTATE IDENTIFICATION SIGNAGE TO ARCHITECT'S DETAILS 11. POP UP PARK 12. SUBSTATION WAREHOUSE OFFICE 0 RINKLEF TANK 5

PROJECT THE YARDS LOT 14 PROBIOTEC KEMPS CREEK INDUSTRIAL COMMUNITY NSW 2178

DRAWING TITLE LANDSCAPE MASTERPLAN

PROJECT NO. PURPOSE H8-22025

DA SUBMISSION SCALE

REVISION DATE 1:1000 @A3 H

20.06.2023 KM/DG

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PROJECT THE YARDS LOT 14 PROBIOTEC KEMPS CREEK INDUSTRIAL COMMUNITY PLAN 01 NSW 2178

DRAWING TITLE LANDSCAPE CONCEPT PROJECT NO. PURPOSE DA H8-22025

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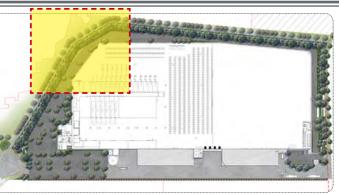
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## KEYPLAN

## KEY

	SITE BOUNDARY
<u> </u>	2100mm HT SECURITY FENCE TO ARCHITECT'S DETAILS
00	2100mm HT BLACK PVC COATED CHAIN WIRE FENCE WITH BARBED WIRE TO ARCHITECT'S DETAILS
	CONCRETE EDGER REFER TO DETAIL
	PROPOSED TREE PLANTING REFER TO PLANT SCHEDULE
	TURF REFER TO DETAIL



REFER TO DETAIL



MASS PLANTING BEDS REFER TO DETAIL AND PLANT SCHEDULE



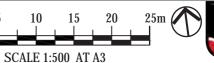
CONCRETE SURFACE TO ENGINEER'S DETAILS



PAVED SURFACE TO ARCHITECT'S DETAILS

PERVIOUS SURFACE / PERMEABLE PAVERS TO ENGINEER'S DETAILS

- 1. LANDSCAPE SETBACK
- 2. FOOTPATH & STREET TREES PART OF SEPARATE DOCUMENTATION SET
- 3. TRUCK ENTRY / EXIT
- CAR ENTRY / EXIT 4.
- 5. BOUNDARY PLANTING
- 6. CYCLEWAY
- 7. OFFICE ENTRY
- 8. CAR PARK
- 9. BIKE RACK TO ARCHITECT'S DETAILS
- 10. ESTATE IDENTIFICATION SIGNAGE TO ARCHITECT'S DETAILS
- 11. POP UP PARK
- 12. SUBSTATION







PROJECT THE YARDS LOT 14 PROBIOTEC KEMPS CREEK INDUSTRIAL COMMUNITY PLAN 02 NSW 2178

DRAWING TITLE LANDSCAPE CONCEPT PROJECT NO. PURPOSE H8-22025 DA

SCALE SUBMISSION

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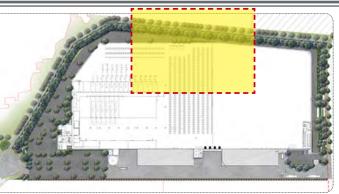
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	2100mm HT BLACK PVC COATED CHAIN WIRE FENCE WITH BARBED WIRE TO ARCHITECT'S DETAILS
	CONCRETE EDGER REFER TO DETAIL
8	PROPOSED TREE PLANTING REFER TO PLANT SCHEDULE
	TURF REFER TO DETAIL
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MASS PLANTING BEDS REFER TO DETAIL AND PLANT SCHEDULE

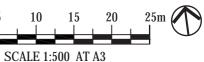


CONCRETE SURFACE TO ENGINEER'S DETAILS

PAVED SURFACE TO ARCHITECT'S DETAILS

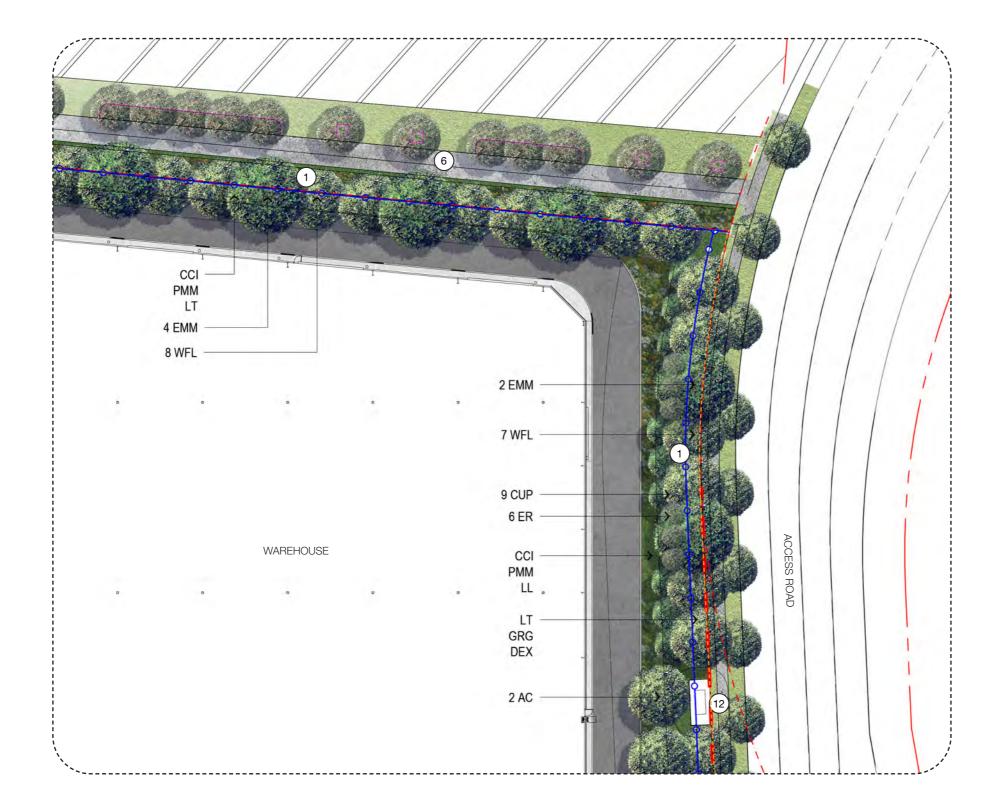
PERVIOUS SURFACE / PERMEABLE PAVERS TO ENGINEER'S DETAILS

- 1. LANDSCAPE SETBACK
- 2. FOOTPATH & STREET TREES PART OF SEPARATE DOCUMENTATION SET
- 3. TRUCK ENTRY / EXIT
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## LANDSCAPE CONCEPT PLAN 03



PROJECT THE YARDS LOT 14 PROBIOTEC KEMPS CREEK INDUSTRIAL COMMUNITY PLAN 03 NSW 2178

DRAWING TITLE LANDSCAPE CONCEPT PROJECT NO. PURPOSE H8-22025 DA SUBMISSION

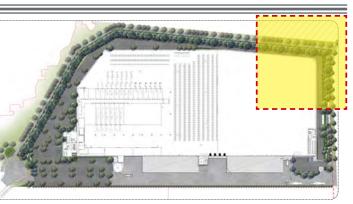
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## KEYPLAN

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	SITE BOUNDARY
<u> </u>	2100mm HT SECURITY FENCE TO ARCHITECT'S DETAILS
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	CONCRETE EDGER REFER TO DETAIL
8	PROPOSED TREE PLANTING REFER TO PLANT SCHEDULE
	TURF REFER TO DETAIL
	MASS PLANTING BEDS

MASS PLANTING BEDS REFER TO DETAIL AND PLANT SCHEDULE



CONCRETE SURFACE TO ENGINEER'S DETAILS



PAVED SURFACE TO ARCHITECT'S DETAILS

PERVIOUS SURFACE / PERMEABLE PAVERS TO ENGINEER'S DETAILS

## **DESIGN NOTES**

- 1. LANDSCAPE SETBACK
- 2. FOOTPATH & STREET TREES PART OF SEPARATE DOCUMENTATION SET
- 3. TRUCK ENTRY / EXIT
- 4. CAR ENTRY / EXIT
- 5. BOUNDARY PLANTING
- 6. CYCLEWAY
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## LANDSCAPE CONCEPT PLAN 04



PROJECT

THE YARDS LOT 14 PROBIOTECLANDSC/KEMPS CREEK INDUSTRIAL COMMUNITYPLAN 04NSW 21782178

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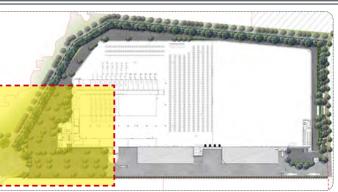
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### KEYPLAN

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	SITE BOUNDARY
<u> </u>	2100mm HT SECURITY FENCE TO ARCHITECT'S DETAILS
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	CONCRETE EDGER REFER TO DETAIL
08	PROPOSED TREE PLANTING REFER TO PLANT SCHEDULE



TURF REFER TO DETAIL



MASS PLANTING BEDS REFER TO DETAIL AND PLANT SCHEDULE



CONCRETE SURFACE TO ENGINEER'S DETAILS



PAVED SURFACE TO ARCHITECT'S DETAILS

PERVIOUS SURFACE / PERMEABLE PAVERS TO ENGINEER'S DETAILS

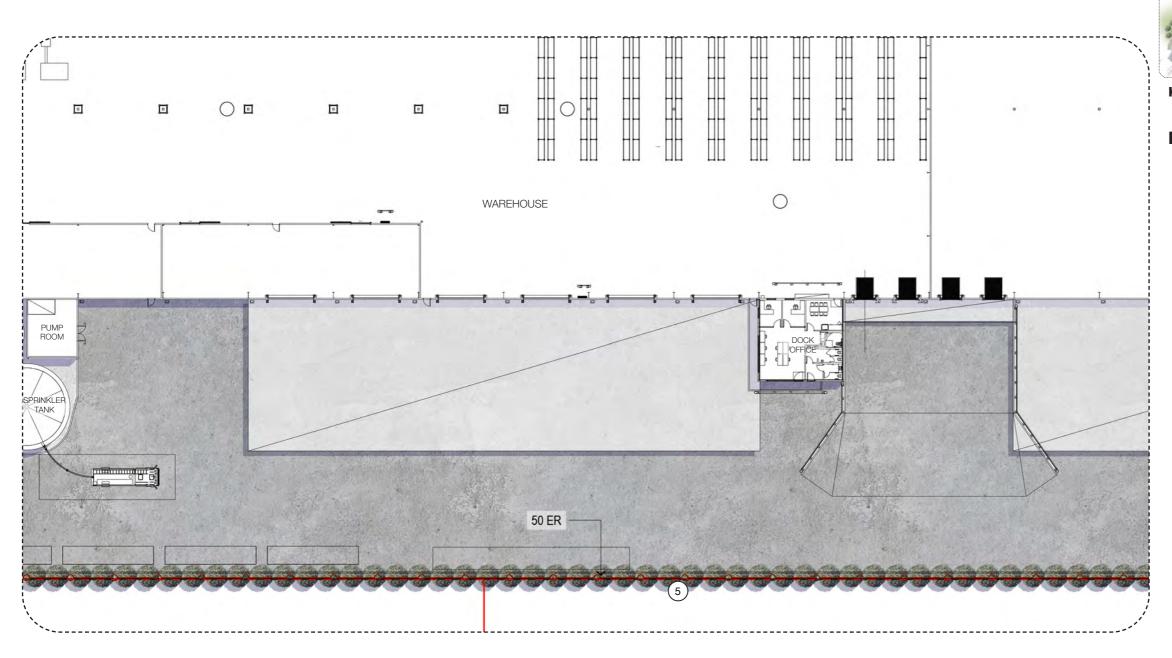
## **DESIGN NOTES**

- 1. LANDSCAPE SETBACK
- 2. FOOTPATH & STREET TREES PART OF SEPARATE DOCUMENTATION SET
- 3. TRUCK ENTRY / EXIT
- 4. CAR ENTRY / EXIT
- 5. BOUNDARY PLANTING
- 6. CYCLEWAY
- 7. OFFICE ENTRY
- 8. CAR PARK
- 9. BIKE RACK TO ARCHITECT'S DETAILS
- 10. ESTATE IDENTIFICATION SIGNAGE TO ARCHITECT'S DETAILS
- 11. POP UP PARK
- 12. SUBSTATION

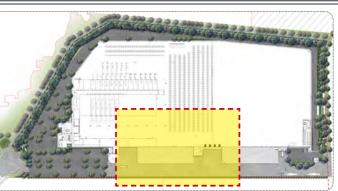
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## KEYPLAN

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	SITE BOUNDARY
<u> </u>	2100mm HT SECURITY FENCE TO ARCHITECT'S DETAILS
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	CONCRETE EDGER REFER TO DETAIL



PROPOSED TREE PLANTING REFER TO PLANT SCHEDULE



TURF REFER TO DETAIL



MASS PLANTING BEDS REFER TO DETAIL AND PLANT SCHEDULE



CONCRETE SURFACE TO ENGINEER'S DETAILS



PAVED SURFACE TO ARCHITECT'S DETAILS

PERVIOUS SURFACE / PERMEABLE PAVERS TO ENGINEER'S DETAILS

## **DESIGN NOTES**

- 1. LANDSCAPE SETBACK
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- 10. ESTATE IDENTIFICATION SIGNAGE TO ARCHITECT'S DETAILS
- 11. POP UP PARK
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## LANDSCAPE CONCEPT PLAN 06



PROJECT THE YARDS LOT 14 PROBIOTEC KEMPS CREEK INDUSTRIAL COMMUNITY PLAN 06 NSW 2178

DRAWING TITLE LANDSCAPE CONCEPT PROJECT NO. PURPOSE DA H8-22025

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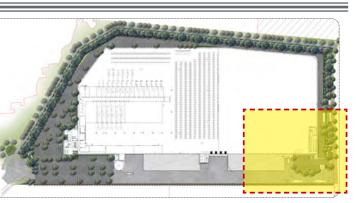
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## KEYPLAN

## KEY

	SITE BOUNDARY
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00	2100mm HT BLACK PVC COATED CHAIN WIRE FENCE WITH BARBED WIRE TO ARCHITECT'S DETAILS
	CONCRETE EDGER REFER TO DETAIL
	PROPOSED TREE PLANTING REFER TO PLANT SCHEDULE
	TURF REFER TO DETAIL



MASS PLANTING BEDS REFER TO DETAIL AND PLANT SCHEDULE



CONCRETE SURFACE TO ENGINEER'S DETAILS



PAVED SURFACE TO ARCHITECT'S DETAILS

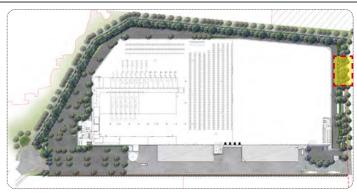
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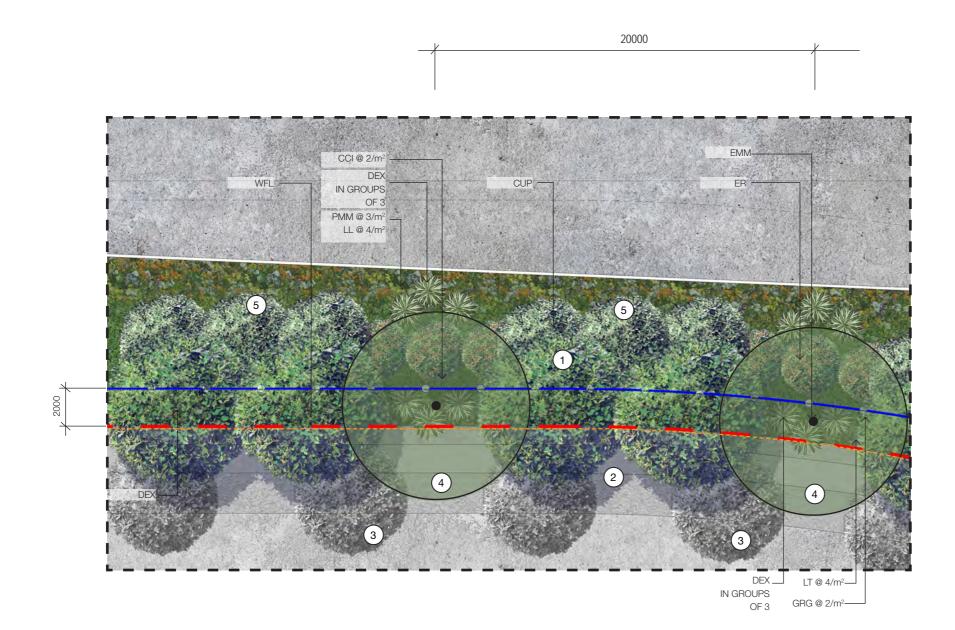
- 1. LANDSCAPE SETBACK
- 2. FOOTPATH & STREET TREES PART OF SEPARATE DOCUMENTATION SET
- TRUCK ENTRY / EXIT З.
- 4. CAR ENTRY / EXIT
- 5. BOUNDARY PLANTING
- 6. CYCLEWAY
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## LANDSCAPE SETBACK DETAIL PLAN





PROJECT

THE YARDS LOT 14 PROBIOTEC KEMPS CREEK INDUSTRIAL COMMUNITY NSW 2178

DRAWING TITLE LANDSCAPE SETBACK DETAIL PLAN

PROJECT NO. PURPOSE H8-22025 DA

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REFER TO PLANT SCHEDULE



TO ARCHITECT'S DETAILS

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PROPOSED TREE PLANTING







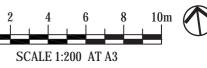






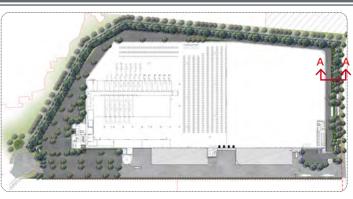
PERVIOUS SURFACE / PERMEABLE PAVERS TO ENGINEER'S DETAILS

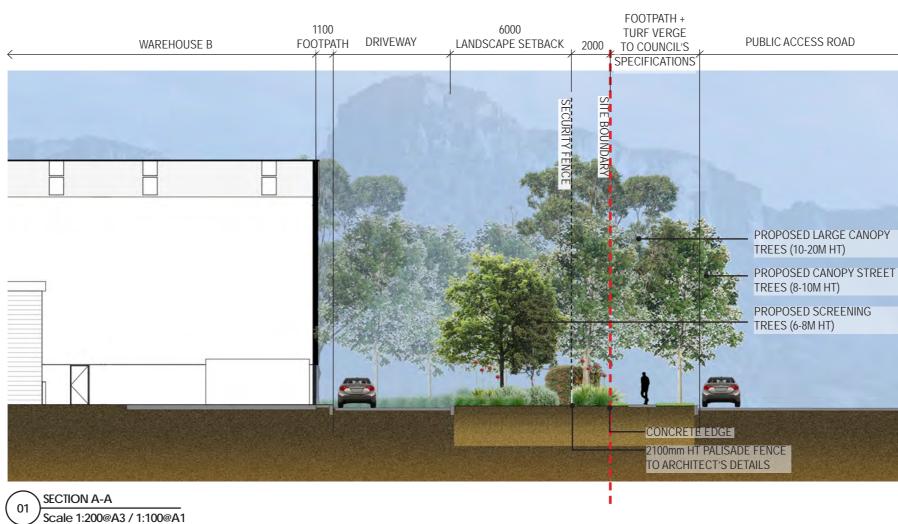
- 1. LANDSCAPE SETBACK
- 2. FOOTPATH & STREET TREES PART OF SEPARATE DOCUMENTATION SET
- 3. PROPOSED CANOPY STREET TREES (8-10m ht +)
- 4. LARGE CANOPY TREES (10-20m ht)
- 5. SCREENING TREES (6m ht)







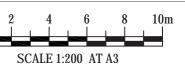




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## **PROPOSED PLANT SCHEDULE**

Plant species sourced from the Mamre Road DCP 2021 Appendix C Plant List

CODE	BOTANICAL NAME	HT IN POT (m)	POT SIZE	DENSITY	NOS
TREES					
CUP	Cupaniopsis anacardioides	2.5	100L	As Shown	101
AC	Angophora costata	2.0	100L	As Shown	8
ER	Elaeocarpus reticulatus	2.5	45L	As Shown	172
EMM	Eucalyptus moluccana	2.5	35L	As Shown	25
LIN	Lagerstroemia indica	2.5	100L	As Shown	7
BA	Brachychiton acerifolius	2.0	75L	As Shown	15
WFL	Waterhousea floribunda	2.5	100L	As Shown	56
SHRUBS	}		•		
DEX	Doryanthes excelsa		200mm	1/m²	TBC
GRG	Grevillea 'Robyn Gordon'		150mm	2/m²	TBC
CCC	Callistemon 'Captain Cook'		200mm	1/m²	TBC
CLJ	Callistemon 'Little John'		200mm	2/m <sup>2</sup>	TBC
CCI	Callistemon 'Citrinus'		200mm	2/m²	TBC
CA	Correa Alba		300mm	2/m <sup>2</sup>	TBC
PMM	Pittosporum 'Miss Muffet'		300mm	3/m²	TBC
GROUN	GROUNDCOVERS AND GRASSES				
LL	Lomandra longifolia		150mm	4/m <sup>2</sup>	TBC
LT	Lomandra longifolia 'Tanika'		150mm	4/m <sup>2</sup>	TBC
HV	Hardenbergia violacea		150mm	4/m²	TBC
VH	Viola hederacea		150mm	4/m²	TBC













PROJECT THE YARDS LOT 14 PROBIOTEC KEMPS CREEK INDUSTRIAL COMMUNITY NSW 2178

DRAWING TITLE PROPOSED PLANT SCHEDULE

PROJECT NO. PURPOSE H8-22025 DA

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#### SPECIFICATION NOTES

#### SERVICES

Before landscape work is commenced the Landscape Contractor is to establish the position of all service lines and ensure tree planting is carried out at least 3 metres away from these services. Service lids, vents and hydrants shall be left exposed and not covered by any landscape finishes (turfing, paving, garden beds etc.) Finish adjoining surfaces flush with pit lids.

PLANTING MIXTURE - (300mm DEPTH) Imported Garden Mix. Type: Premium Available: Australian Native Landscapes (ANL)

TURF SOIL MIX (150mm DEPTH) Type: Turf underlay Available: Australian Native Landscapes (ANL)

#### MULCH

APPLICATION: Place mulch to the required depth, (refer to drawings) clear of plant stems, and rake to an even surface finishing 25mm below adjoining levels. Ensure mulch is watered in and tamped down during installation.

MULCH TYPE: (75mm DEPTH)

Type 1:

Pine bark: From mature trees, graded in size from 15mm to 30mm, free from wood slivers. Dark brown in colour and texture.

#### COMPOST

Shall be "GO Compost" as available from Soilco or approved equal

#### PLANT MATERIAL

All plants supplied are to conform with those species listed in the Plant Schedule on the drawings. Generally plants shall be vigorous, well established, hardened off, of good form consistent with species or variety, not soft or forced, free from disease or insect pests with large healthy root systems and no evidence of having been restricted or damaged. Trees shall have a leading shoot. Immediately reject dried out, damaged or unhealthy plant material before planting. All stock is to be container grown for a minimum of six (6) months prior to delivery to site.

### FERTILISER

MASS PLANTING AREAS: Fertiliser shall be 'Nutricote' or approved equivalent in granule form intended for slow release of plant nutrients over a period of approximately nine months. Thoroughly mix fertiliser with planting mixture at the recommended rate, prior to installing plants.

TURF: Shall be Shirleys No. 17 or approved equal thoroughly mixed into the topsoil prior to placing turf. TREES IN GRASS AND SUPER ADVANCED TREES: Pellets shall be in the form intended to uniformly release plant food elements for a period of approximately nine months equal to Shirlevs Kokei pellets. analysis 6.3:1.8:2.9. Kokei pellets shall be placed at the time of planting to the base of the plant, 50mm minimum from the root ball at a rate of two pellets per 300mm of top growth to a maximum of 8 pellets per tree.

#### STAKING AND TYING

Stakes shall be straight hardwood, free from knots and twists, pointed at one end and sized according to size

of plants to be staked.

a. 100-greater than 200litre 3x(1800x50x50mm)

Ties shall be 50mm wide hessian webbing or approved equivalent nailed or stapled to stake. Drive stakes a minimum one third of their length, avoiding damage to the root system, on the windward side of the plant.

#### TURF

PROJECT

Obtain turf from a specialist grower of cultivated turf. turf shall be of even thickness, free from weeds and other foreign matter; lay in stretcher pattern with joints staggered and close butted, perpendicular to gradient of FSL. Water immediately after laving.

TURF TYPE: Couch (Confirm with council prior to construction)

#### LANDSCAPE MAINTENANCE PROGRAM

Maintenance shall mean the care and maintenance of the landscape works by accepted horticultural practice as rectifying any defects that become apparent in the landscape works under normal use. This shall include, but shall not be limited to, watering, mowing, fertilising, re-seeding, returfing, weeding, pest and disease control, staking and tying, replanting, cultivation, pruning, aerating, renovating, top dressing, maintaining the site in a neat and tidy condition as follows:-

#### GENERAL

The landscape contractor shall maintain the landscape works for the term of the maintenance (or Plant establishment) period to the satisfaction of the council. The landscape contractor shall attend to the site on a weekly basis. Landlord to maintain all landscape areas in perpetuity (life of the development).

#### WATERING

Grass, trees and garden areas shall be watered regularly so as to ensure continuous healthy growth.

#### RUBBISH REMOVAL

During the term of the maintenance period the landscape contractor shall remove rubbish that may occur and reoccur throughout the maintenance period. This work shall be carried out regularly so that at weekly intervals the area may be observed in a completely clean and tidy condition.

#### REPLACEMENTS

The landscape contractor shall replace all plants that are missing, unhealthy or dead at the Landscape Contractor's cost. Replacements shall be of the same size, quality and species as the plant that has failed unless otherwise directed by the Landscape Architect, Replacements shall be made on a continuing basis after the plant has died or is seen to be missing.

#### STAKES AND TIES

The landscape contractor shall replace or adjust plant stakes, and tree guards as necessary or as directed by the Landscape Architect. Remove stakes and ties at the end of the maintenance period if so directed.

#### PRUNING

General: Prune to reflect the natural growth flowering and regrowth habit of the individual species. Shrubs: Prune after flowering - Spring and Summer and on a spot basis as required.

Hedge trimming: Schedule trimming at times which will maintain the character and design of hedges. Allow up to three times per season.

Tip pruning: To encourage development of new shoots during the active growing season. Do not remove buds before the flowering season in those plants that have terminal flowers.

Radical pruning: To maintain a hedge or formal shape or when a particular problem, growth habit, damage, or disease requires branch removal.

Trees: Prune to eliminate diseased or damaged growth, avoid inter-branch contact and thin out crowns in a natural manner, maintain sight lines to signs and lights, or maintain visibility for personal security. Tree branch removal to AS 4373. Give notice and engage a suitably qualified 'arborist'.

#### MULCHED SURFACES

All mulched surfaces shall be maintained in a clean and tidy condition and be reinstated if necessary to ensure that a depth of 75mm is maintained. Ensure mulch is kept clear of plant stems at all times. Remove all mulching materials off lawn or paved areas and maintain a clean and tidy appearance when viewed on a weekly basis.

#### PEST AND DISEASE CONTROL

The landscape contractor shall spray against insect and fungus infestation with all spraying to be carried out in accordance with the manufacturer's directions. Report all instances of pests and diseases (immediately that they are detected) to the Landscape Architect.

#### GRASS AND TURF AREAS

The landscape contractor shall maintain all grass and turf areas by watering, weeding, re-seeding, rolling, mowing, trimming or other operations as necessary. Seed and turf species shall be the same as the original specified mixture. Grass and turf areas shall be sprayed with approved selective herbicide against broad leafed weeds as required by the Landscape Architect and in accordance with the manufacturer's directions. Grass and turf areas shall be fertilised once a year in autumn with "Dynamic Lifter" for lawns at a rate of 20kg per 100m2. Fertiliser shall be watered in immediately after application. Irregularities in the grass and turf shall be watered in immediately after application.

Grass and turf areas shall be kept mown to maintain a healthy and vigorous sward. Mowing height: 30-50mm.

#### WEED ERADICATION

Eradicate weeds by environmentally acceptable methods using a non-residual glyphosate herbicide (eg. 'Roundup') in any of its registered formulae, at the recommended maximum rate. Regularly remove by

hand, weed growth that may occur or recur throughout grassed, planted and mulched areas. Remove weed growth from an area 750mm diameter around the base of trees in grassed areas. Continue eradication throughout the course of the works and during the maintenance period.

SOIL SUBSIDENCE

MAITENANCE PERIOD: (26 Weeks) - Confirm with Project Manager

#### **IRRIGATION PERFORMANCE SPECIFICATION NOTES IRRIGATION OVERVIEW** - Confirm with Project Manager at tender stage

EXTENT (Setback, Carpark, Garden and Turf Areas) design, materials and installation

and Sydney water guidelines.

#### DRIPLINE

with 400mm centre drippers. Dripline pattern to suit planting.

#### CONTROL VALVES

24v solenoid actuated hydraulic valve with flow control. Control valves to be Toro ezflow series solenoids 25mm or approved equal. Provide a gate valve of the same size immediately upstream of each valve. House both valves in a high impact plastic valve box with a high impact plastic cover at finished ground level. Support the box with bricks on each side. Controller to be Toro greenkeeper or approved equal with a rain switch. Install a master valve/pressure regulating valve equal to Toro p220 with exreg pressure regulation valve. Filter to be installed equal to Toro y filter 75mm screen filter.

#### CONTROL WIRES

Connect the control valves and soil moisture sensor to the controller with double insulated underground cables laid alongside piping where possible. Lay intertwined for their full length without joints except at the valves and branches off common wires. Provide waterproof connectors.

Provide a backflow prevention device to Sydney water standards AS 3500.

#### **RELEVANT AUSTRALIAN STANDARDS**

Soil: AS4419, AS3743, AS4454. Mulch: AS4454. Tree Stock: AS2303. Pruning: AS4373. Tree Protection: AS4970. Contractors to comply with the above Australian Standards.

DRAWING TITLE	PROJECT NO.	PURPOSE	SCALE	REV
TYPICAL SPECIFICATION +	H8-22025	DA	NTS	Н
MAINTENANCE NOTES		SUBMISSION		

DRAWN CHECKED PAGE CLIENT L 13 KM/DG DV



THE YARDS LOT 14 PROBIOTEC KEMPS CREEK INDUSTRIAL COMMUNITY NSW 2178

## TYPICAL MAINTENANCE NOTES

Any soil subsidence or erosion which may occur after the soil filling and preparation operations shall be made good by the landscape contractor at no cost to the client.

All mass planting landscape areas and trees are to have full coverage by a fully automatic irrigation system. The

are to be in accordance with Sydney Water Codes and all relevant Australian Standards.

1. An automatic irrigation system is to be installed to all turf and garden bed areas. 2. The irrigation system shall be designed and installed by a licensed contractor to relevant Australian standards

3. The irrigation system shall be connected into the rainwater tank system and pump

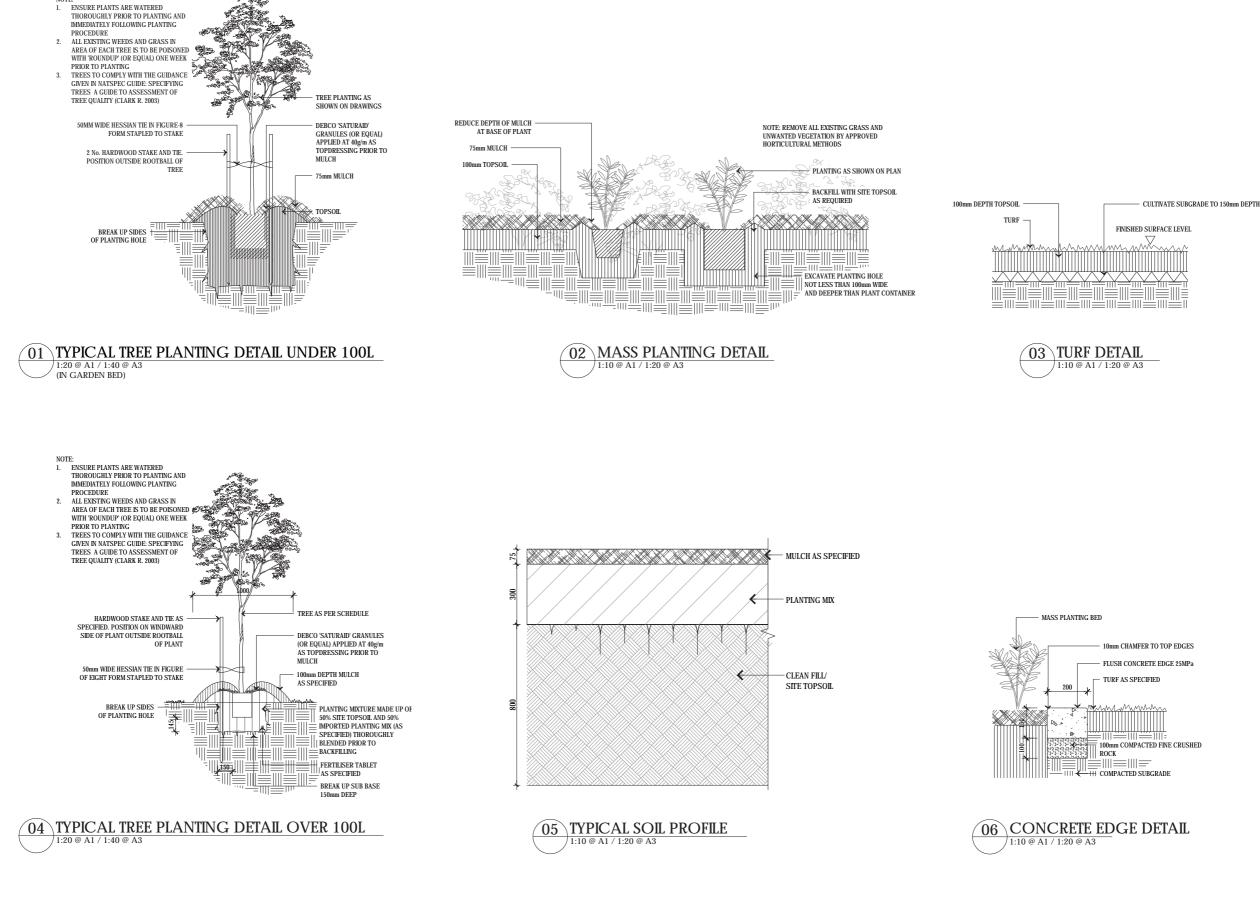
Provide 13mm dripline to all garden bed areas with appropriate 13mm joiners. Dripline to be Toro drip or similar

Install line at 500mm spacings with the first line to be 150mm in from edge. Install dripline after planting and prior to mulching to allow for an adequate mulch cover. Anchor at 1.5m maximum intervals with u-shaped stakes.



## **TYPICAL LANDSCAPE DETAILS**

NOTE



DA SUBMISSION

AS SHOWN

SCALE

REVISION DATE Н 20.06.2023

DV KM/DG

