

MAMRE ROAD DATA CENTRE CAMPUS, 706-752 MAMRE ROAD, KEMPS CREEK, NSW 2178

Landscape Documentation for SSDA Application



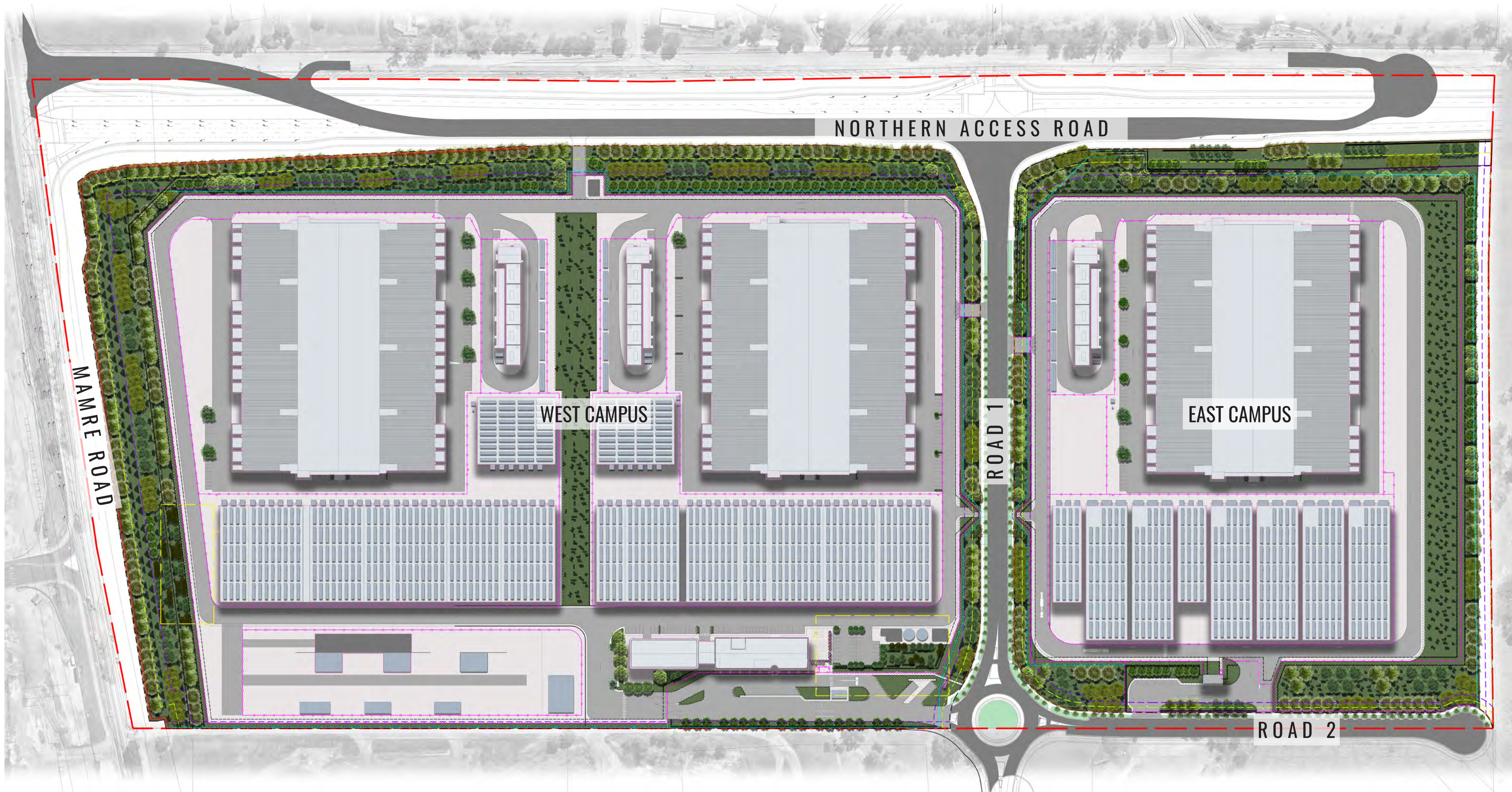
IMAGE TAKEN FROM VEXCEL 2025

SUMMARY OF SEARs

SEARs Items	Secretary's Environmental Assessment Requirements	Report Reference
Key Issues	Landscaping	
	a detailed site-wide landscape plan, including:	
	- an arborist report, tree protection plan and vegetation management plan	Refer to the Arborist report by Creative Planning Solutions Pty Ltd.
	- detailed plans showing suitable landscaping which incorporates endemic species, heights of trees at maturity and proposed canopy coverage and location of trees to be removed and retained	Landscape detail plans are provided on sheets LAN-00101 to LAN-00106, which reference the detailed planting matrices on sheet LAN-00402. The plant schedule, including expected heights, is shown on sheet LAN-00501.
	- details of tree canopy cover, deep soils and pervious area to meet the requirements of the MRP DCP	Refer to sheets LAN-00005 and LAN-00006, which demonstrate compliance with the required canopy and permeability percentages outlined in the Mamre Road DCP.
	- demonstration of how the development would contribute to the long-term landscape setting in respect of the site and streetscape, contribute to the objective of increased urban tree canopy cover, mitigate the urban heat island effect and maximise opportunities for green infrastructure consistent with Greener Places (GANSW, 2020) and having regard to any bushfire risk	The proposed development has been designed to contribute positively to the long-term landscape setting of the site and surrounding streetscape through extensive planting, generous setbacks, and the integration of green infrastructure. Approximately 23% of the site is allocated to deep soil zones, allowing for the establishment of large canopy trees that will mature over time to strengthen the site's landscape character and provide visual continuity within the streetscape. In alignment with the objectives of Greener Places (GANSW, 2020), the landscape design promotes an increase in urban tree canopy cover and supports ecological connectivity across the site. These trees will provide natural shade, reduce surface and ambient temperatures, and mitigate the urban heat island effect, thereby enhancing on-site thermal comfort and improving microclimatic conditions. Car park blisters are proposed with trees where possible in coordination with the underground services, providing shade to hardstand areas and improving user comfort while reducing heat absorption from paved surfaces. The development maximises opportunities for green infrastructure through the integration of permeable surfaces and deep soil planting areas, as detailed on sheet LAN-00006. Planting design and species selection have been carefully considered to balance greening outcomes with fire safety requirements by maintaining the Planning for bushfire requirements and in consultation with the bushfire consultant.
	- demonstration of consistency with the MRP DCP species list.	The plant schedule outlines the proposed plants for this project. Species within the Mamre Road species list have been considered as well as locally indigenous species from the Cumberland Plain Woodland community have also been selected for their resilience, low maintenance needs, and suitability to local environmental conditions, including bushfire-prone areas.

Drawing Register

Dwg No.	Drawing Name		
00000	Cover Sheet	00303	Landscape Sections - Sheet 3
00001	Response to Submission	00401	Specification & Details
00002	Acknowledgement of Country	00402	Planting Matrix Details
00003	How might we?	00403	Trunk Drainage Details
00004	Connecting with Country	00501	Plant Schedule & Imagery
00005	Landscape Master Plan		
00006	Canopy Cover Plan		
00007	Permeability & Deep Soil Plan		
00101	Detail Plan - Sheet 1		
00102	Detail Plan - Sheet 2		
00103	Detail Plan - Sheet 3		
00104	Detail Plan - Sheet 4		
00105	Detail Plan - Sheet 5		
00106	Detail Plan - Sheet 6		
00201	Street Tree Plan		
00301	Landscape Sections - Sheet 1		
00302	Landscape Sections - Sheet 2		



SITE PLAN

Drawing Status:
FOR REVISED SSDA SUBMISSION

01	11.06.20	REVISED SSDA SUBMISSION
07	09.09.20	UPDATED TO DEPARTMENT COMMENTS
06	25.11.20	UPDATED SSDA SUBMISSION
05	13.11.20	UPDATED FOR SSDA SUBMISSION
04	06.11.20	FOR SSDA SUBMISSION
03	15.09.20	FOR SSDA DRAFT
02	30.06.20	DRAFT 10% CONCEPT DESIGN
Issue	Date	Description

Do not scale

Architects:

Greenbox

Contractor / Consultant / Document Author:

GEOSCAPES
LANDSCAPE ARCHITECTS
Suite 101, 815 Pacific Highway, Chateau NSW 2067 Ph: (02) 9411 1485
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ABN 64 620 205 781 ACN 620 205 781



Key Plan:

Site: MAMRE ROAD DATA CENTRE CAMPUS	Stage: ULTIMATE	Phase: ULTIMATE	Project name: MAMRE ROAD DATA CENTRE CAMPUS
Author Job Number: 250731	Drawn by: KC	Designed by: KC	Scale: NTS
Project Number: SYDA	Checked by: BG	Approved by: BG	Sheet: A0
File Name: SSDA-SITE-DRG-GEO-LAN-00000	Drawing Number: 00000	Rev: 08	

Drawing Status: FOR REVISED SSDA SUBMISSION			Architects:			Contractor / Consultant / Document Author:			Key Plan:			Project name: MAMRE ROAD DATA CENTRE CAMPUS			
06	11.06.25	REVISED SSDA SUBMISSION	 Suite 101, 815 Pacific Highway, Chateau NSW 2067 Ph: (02) 9411 1485 www.geoscapes.com.au ABN 64 620 205 781 ACN 620 205 781			 ULTIMATE			Stage: ULTIMATE		Phase: ULTIMATE		Drawing title: Response to Submission		
07	09.06.26	UPDATED TO DEPARTMENT COMMENTS				Author Job Number: 250731		Drawn by: KC		Designed by: KC		Scale:			
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03	15.10.25	FOR SSDA - DRAFT													
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ACKNOWLEDGEMENT OF COUNTRY

We acknowledge the Traditional Owners, the Cultural Landscapes that we are working upon, and the Aboriginal people and their ongoing connection to culture, lands and waters and their valuable contribution to the Community. We recognise and acknowledge the surrounding clans of this region whilst honouring and celebrating their Elders past, present and emerging.

We acknowledge all First Nations people and their ongoing connection to culture, lands and waters and their valuable contribution to the Community. We recognise, acknowledge, and extend our respect to many others who have custodial obligations for Country and have been connected to this Country for many generations, including their Elders past, present and emerging.

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FOR REVISED SSDA SUBMISSION			Greenbox		 Suite 101, 815 Pacific Highway, Chateau NSW 2061 Ph: (02) 9411 1485 www.geoscapes.com.au ABN 64 620 225 781 ACN 620 225 781				MAMRE ROAD DATA CENTRE CAMPUS				
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Issue:	Date:	Description:							SSDA-SITE-DRG-GEO-LAN-00002	00002			08

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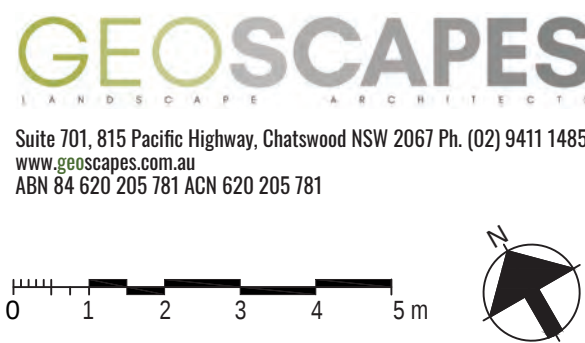
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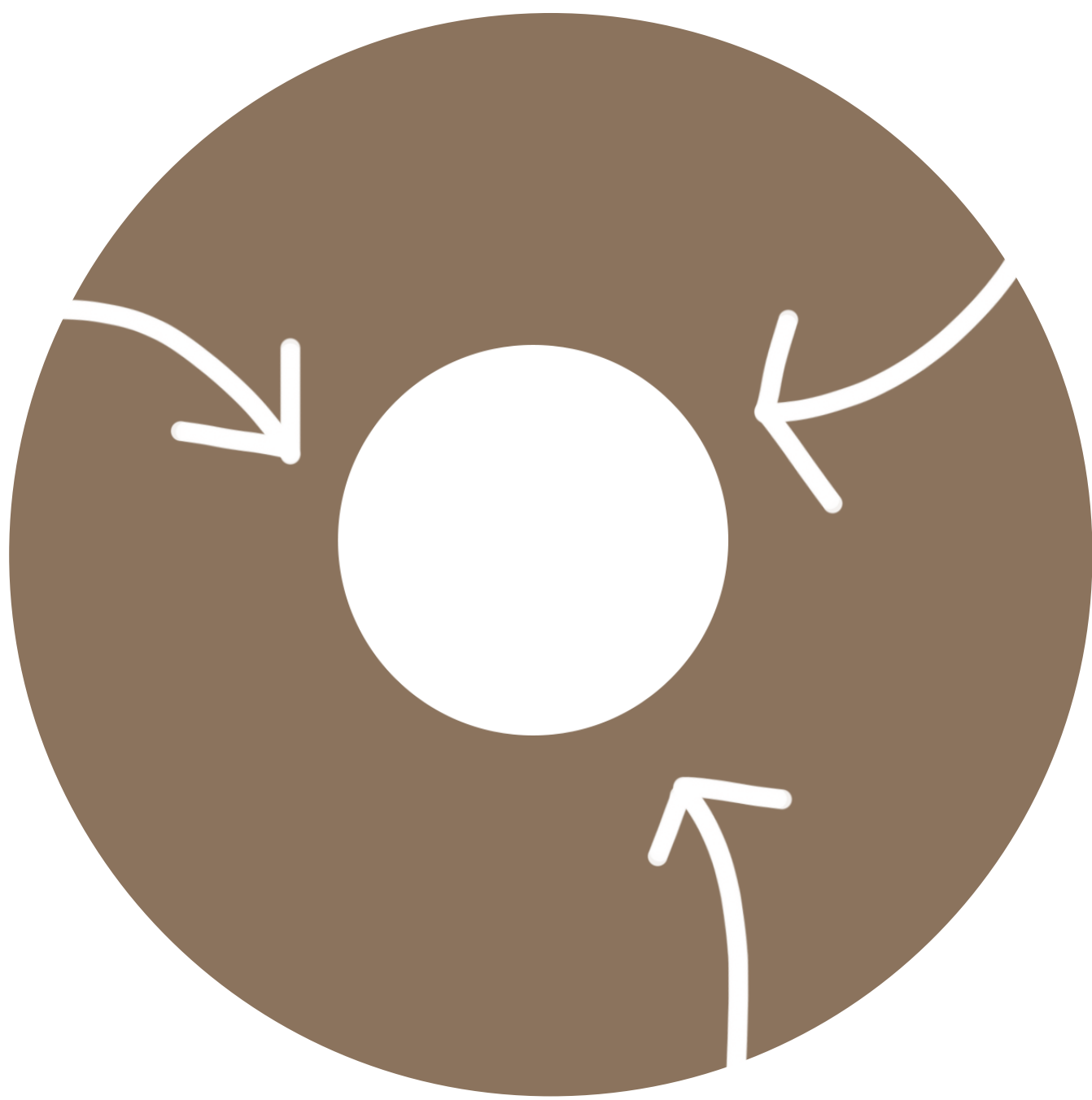
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02	25.11.25	UPDATED SSDA SUBMISSION							Project Number: SYD4 Checked by: BG Approved by: BG Sheet: A0			
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04	15.10.25	FOR SSDA DRAFT										
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CONNECTING WITH COUNTRY - EXPLORING ‘HOW MIGHT WE?’

REGENERATION



How can we contribute to regeneration?

- Economic regeneration
- Regeneration through planting
- Give back to local flora and fauna
- Care for country through treating and cleaning stormwater

INNOVATION



What is unique to this place and project?

- The scale of the project
- Intersection of power and water
- Generous setback for permeability and canopy trees

CUSTODIANSHIP



How can we foster belonging and active participation?

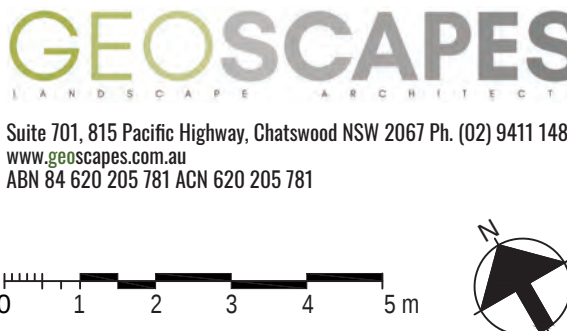
- Acknowledge the role we have as custodians
- Incorporate native flora and connect people to the landscape
- Educating employees on the significance of Dharug Country
- Create a welcoming environment

LEGACY



What do you see happening here in the future?

- Children seeing what their grandparents were a part of from the beginning
- Mature planting creating habitats for non-human kin
- Blurred edges between softscape and hardscape

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CONNECTING WITH COUNTRY

Rewilding

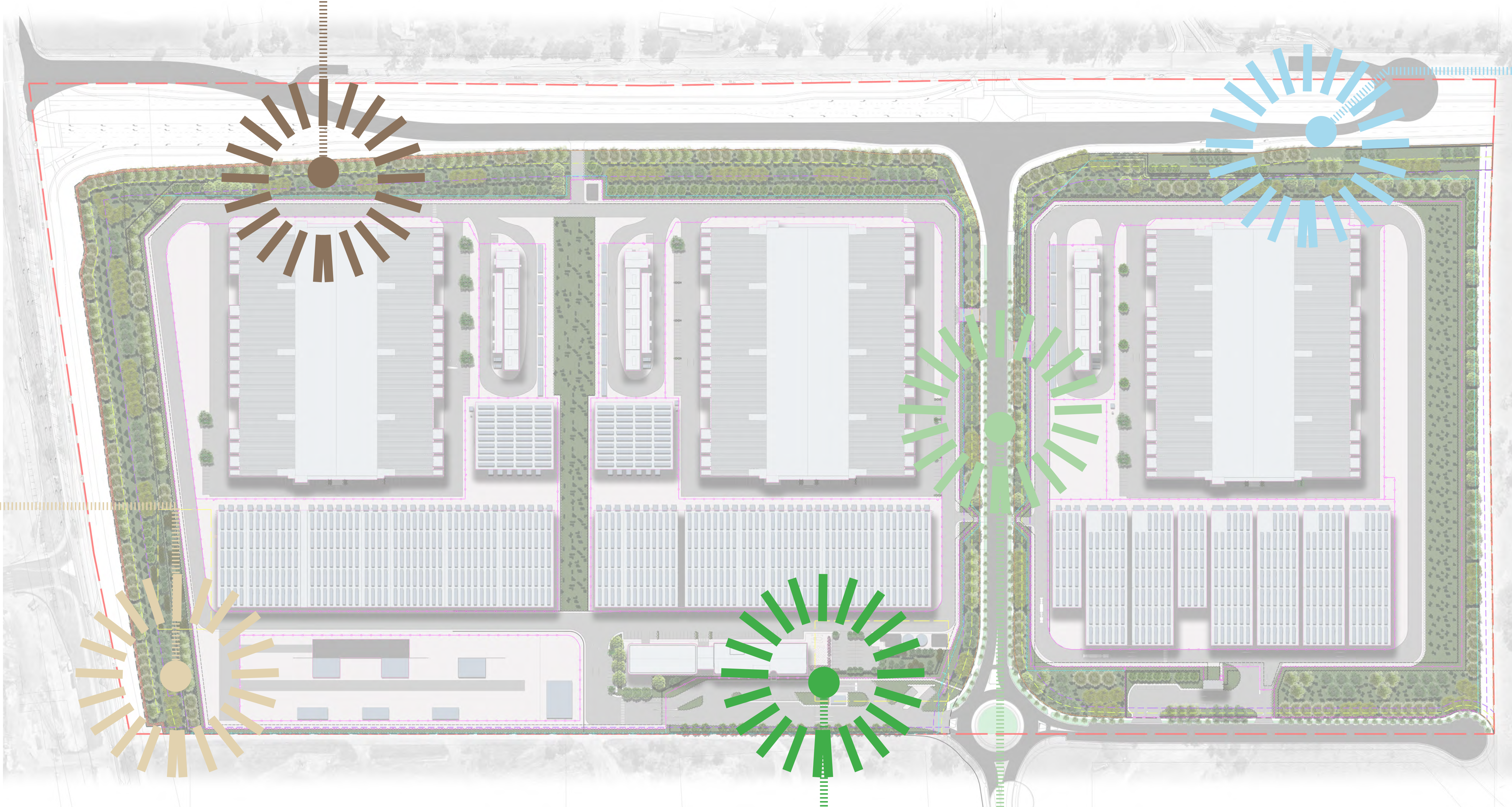
Incorporating Indigenous plant species into the site fosters a direct connection with Country by reflecting the local ecology and cultural heritage of the land. The clustered style of tree planting forms a more organic network for habitat movement corridors and mimics the natural arrangement of the Cumberland Plains Woodland ecological community. These plants support native wildlife, maintain biodiversity, and help restore natural ecosystems that have been disrupted by development. Beyond ecological benefits, Indigenous species carry cultural significance, linking people to the stories, knowledge, and traditions of the First Nations custodians of the land. Opportunities for information signage throughout the site can further strengthen this connection by educating employees about Country, local species, and cultural narratives. By planting, interpreting, and caring for these species, the site encourages people to engage with Country in a meaningful and reciprocal way, promoting awareness, respect, and stewardship of the landscape.

Caring for Water

Trunk drainage sits within local Country and shapes how water moves across the landscape. Water is a living part of Country and must be respected and cared for, as it sustains both people and non-human kin. Incorporating grasses and vegetation helps filter stormwater, support healthier waterways, and restore habitat, contributing to the ongoing wellbeing of Country.

Permeable Landscapes

Permeable surfaces allowing water to infiltrate the soil, support native vegetation and wildlife, and restore natural hydrological cycles, fostering a more harmonious relationship with the land.



Moments of Pause

Providing outdoor open space gives employees a place to unwind and relax during breaks, supported by surrounding gardens that allow them to feel the sun and wind, and observe trees, birds, and insects. This connection to the natural environment creates a space for grounding, slowing down, and supporting emotional regulation.

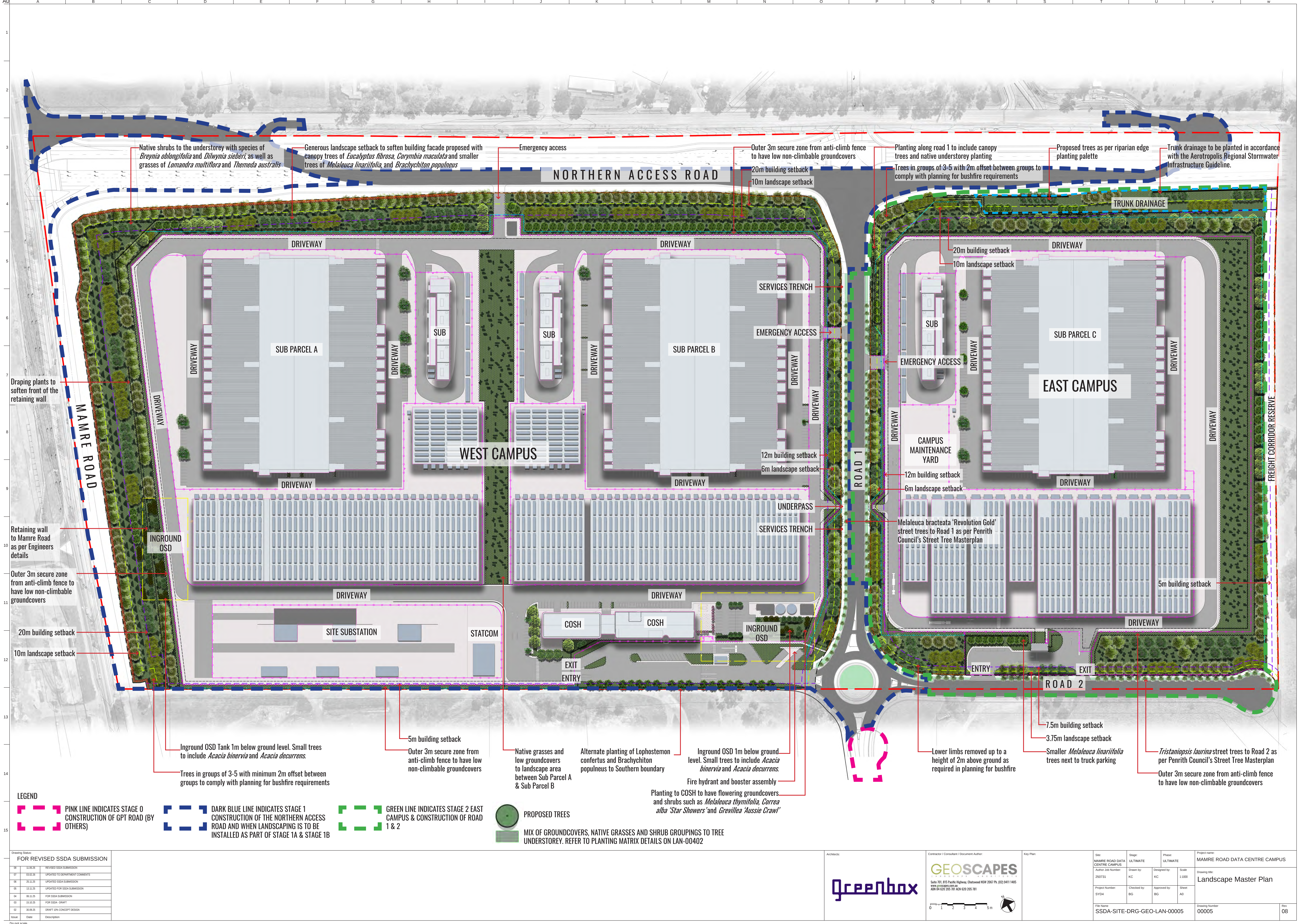
Cooling Country

Vegetating key road networks helps reduce the Urban Heat Island effect by increasing shade, cooling hard surfaces, and reintroducing elements of the natural landscape back into the urban environment. Using Indigenous species and thoughtful planting design allows these corridors to cool the precinct while maintaining clear sightlines, CPTED principles, and view lines for human kin safety.

Drawing Status: FOR REVISED SSDA SUBMISSION			Architects:			Contractor / Consultant / Document Author:			Key Plan:			Site: MAMRE ROAD DATA CENTRE CAMPUS			Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS		
01	11.06.25	REVISED SSDA SUBMISSION		 Suite 701, 815 Pacific Highway, Chateau NSW 2067 Ph: (02) 9411 1485 www.geoscapes.com.au ABN 64 620 205 781 ACN 620 205 781	 			Author Job Number: 250731	Drawn by: KC	Designed by: KC	Scale: NTS	Drawing title: Connecting with Country			Drawing Number: 00004	Rev: 08					
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Greenbox

MAMRE ROAD DATA CENTRE CAMPUS		ULTIMATE		ULTIMATE		MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number:		Drawn by:	Designed by:	Scale		Drawing title:	
250731		KC	KC	1:100		Canopy Cover Plan	
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SYD4		BG	BG	A8			
File Name				Drawing Number		Rev	
SSDA-SITE-DRG-GEO-LAN-00006				00006		08	

LEGEND

- CADASTRAL SITE BOUNDARY = 522,471m²
- ON LOT AREA (WEST & EAST CAMPUS) = 435,920m²
- FENCE TYPE 1 - ANTICLIMB WELD MESH
- FENCE TYPE 2 - PVC COATED CHAIN LINK
- FENCE TYPE 3 - WOODEN FENCE
- 3m SECURITY CLEAR ZONE
- LANDSCAPE SETBACK
- BUILDING SETBACK

ON LOT CANOPY COVER CALCULATION



PROPOSED CANOPY COVER

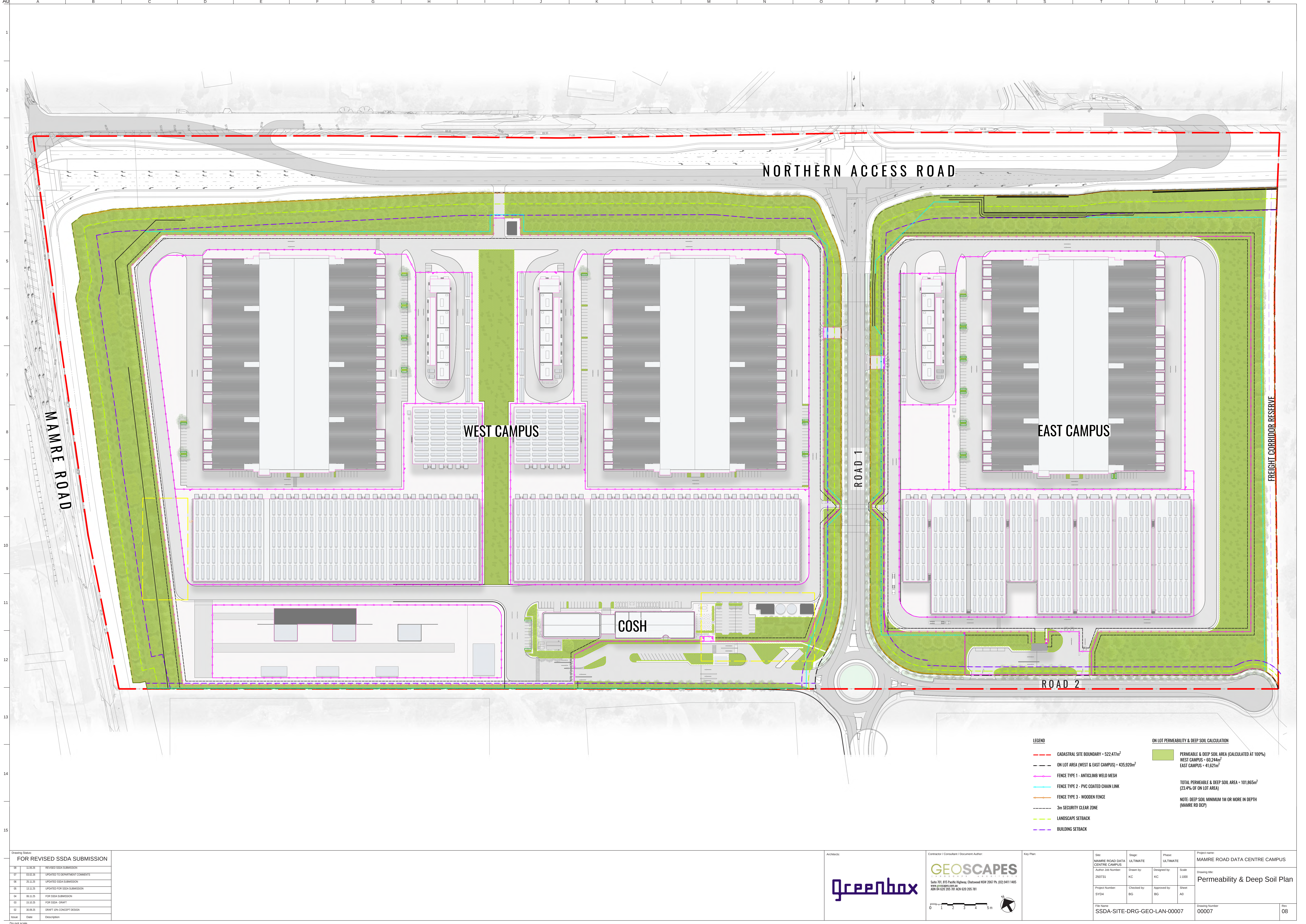
WEST CAMPUS = 31,210m²
EAST CAMPUS = 18,580m²

TOTAL = 49,728m² (11.4% OF ON LOT AREA)

BUSHFIRE CALCULATION

CANOPY COVER WITHIN CADASTRAL BOUNDARY

CADASTRAL FOOTPRINT: 522,471m²
BUILDING FOOTPRINT: 162,830m²
CADASTRAL BOUNDARY MINIMUM BUILDING FOOTPRINT:
522,471m² - 162,830m² = 355,641m²
CANOPY COVER PERCENTAGE = 49,728m² / 355,641m² = 13.8%



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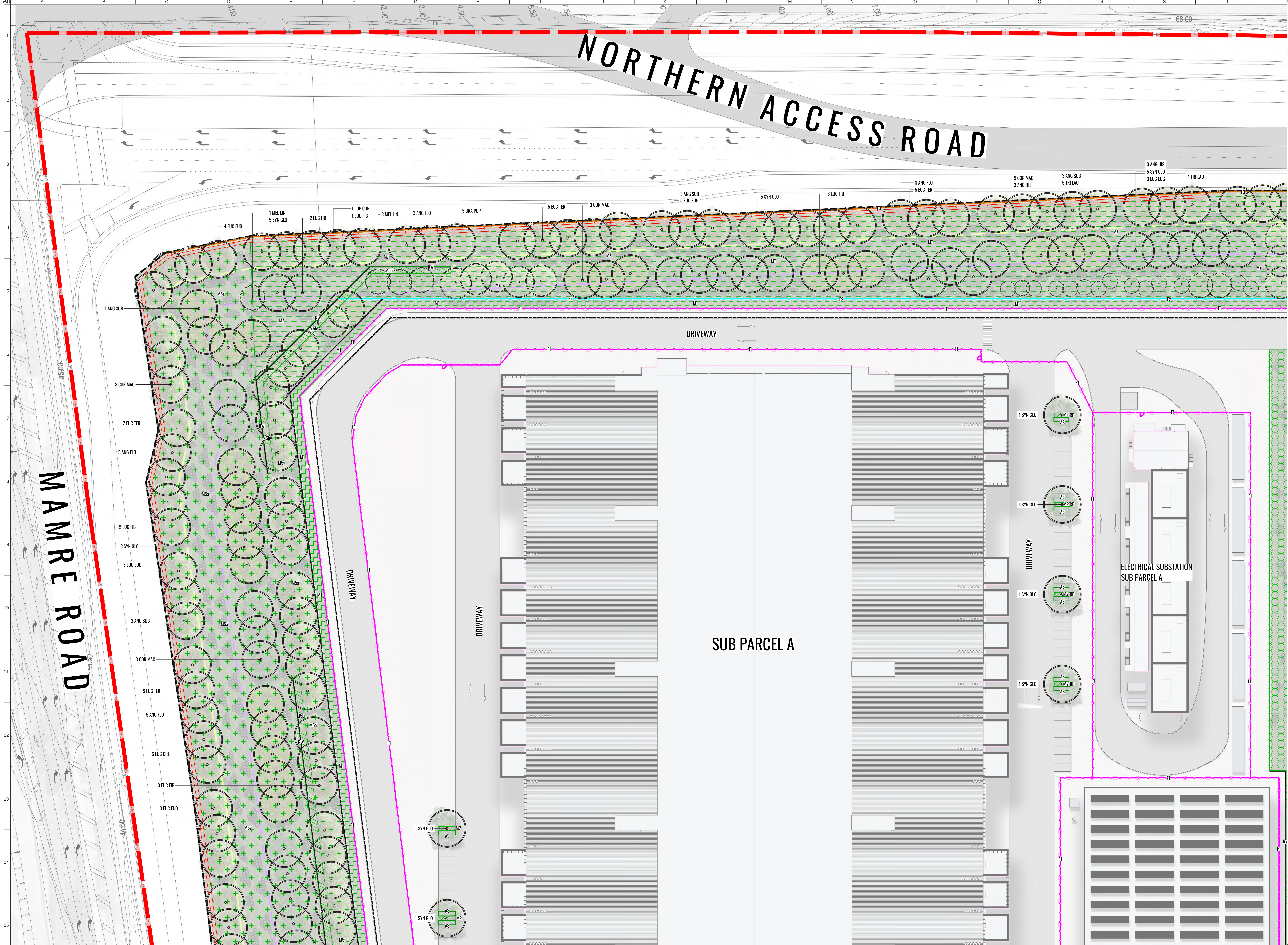
Contractor / Consultant / Document Author:

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Key Plan:

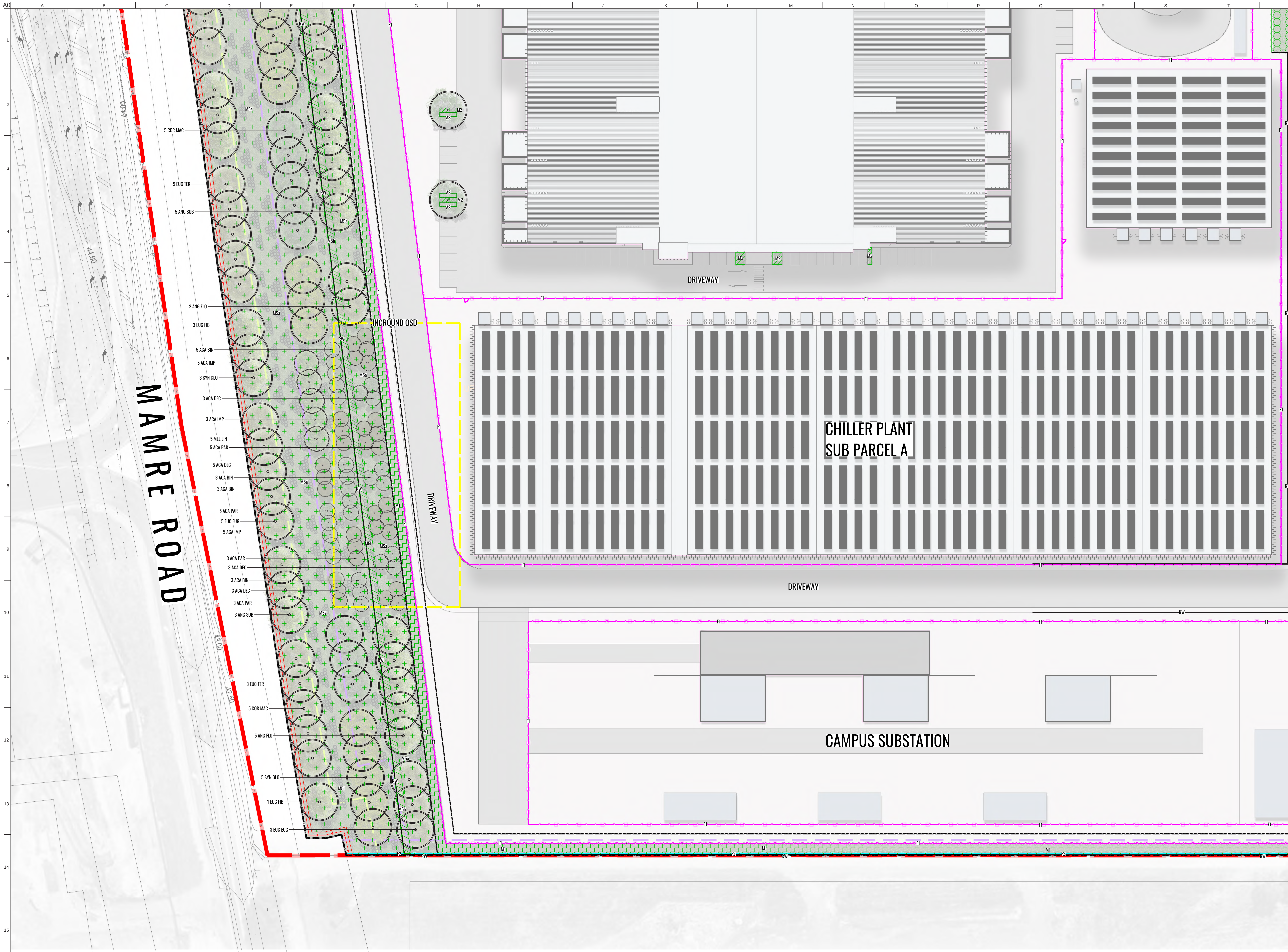
Site: MAMRE ROAD DATA CENTRE CAMPUS	Stage: ULTIMATE	Phase: ULTIMATE	Project name: MAMRE ROAD DATA CENTRE CAMPUS
Author Job Number: 250731	Drawn by: KC	Designed by: KC	Drawing title: Permeability & Deep Soil Plan
Project Number: SYDA	Checked by: BG	Approved by: BG	Sheet A0
File Name: SSDA-SITE-DRG-GEO-LAN-00007			Drawing Number: 00007
			Rev 08



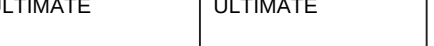
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- F3 FENCE TYPE 3 - WOODEN FENCE
- 3m SECURITY CLEAR ZONE
- PROPOSED TREE
- M1 MATRIX 1 - SECURE ZONE PLANTING (M1)
- M2 MATRIX 2 - CAR PARK PLANTING BLUSTER (M2)
- M3 MATRIX 3 - COSH PLANTING ZONE (M3)
- M4 MATRIX 4 - WEST CAMPUS SOUTHERN ENTRY PLANTING (M4)
- M5a MATRIX 5a - MAMRE ROAD LANDSCAPE SETBACK (M5a)
- M5b MATRIX 5b - MAMRE ROAD WALL PLANTING (M5b)
- M6 MATRIX 6 - WEST CAMPUS ROAD 1 LANDSCAPE SETBACK (M6)
- M7 MATRIX 7 - NORTHERN ACCESS ROAD SETBACK (M7)
- M8 MATRIX 8 - EAST CAMPUS ROAD 1 LANDSCAPE SETBACK (M8)
- M9 MATRIX 9 - EAST BOUNDARY MIXED PLANTING (M9)
- M10 MATRIX 10 - EAST CAMPUS SOUTHERN DRIVEWAY PLANTING (M10)
- M11 MATRIX 11 - EAST CAMPUS LARGE LANDSCAPE AREAS (M11)
- M12 MATRIX 12 - SOUTHERN LINK ROAD TERRACE PLANTING (M12)
- M13 MATRIX 13 - NATIVE PLANTING MIX (M13)
- INGROUND OSD TO ENGINEERS DETAILS
- RETAINING WALLS. REFER TO ENGINEERS DETAILS
- GRASS LINED SWALE. REFER TO ENGINEERS DETAILS
- RB ROOT BARRIER
- AS AMSTERDAM STRUCTURAL SOIL TO PROVIDE TREE ROOTS MORE GROWING SPACE IN CAR PARK AREAS

Drawing Status: FOR REVISED SSDA SUBMISSION		Architects:		Contractor / Consultant / Document Author:		Key Plan:		Site:		Stage:		Phase:		Project name:	
01 11.06.20 REVISED SSDA SUBMISSION 02 09.06.20 UPDATED TO DEPARTMENT COMMENTS 03 25.11.20 UPDATED SSDA SUBMISSION 04 13.11.20 UPDATED FOR SSDA SUBMISSION 05 06.11.20 FOR SSDA SUBMISSION 06 15.05.20 FOR SSDA - DRAFT 07 30.05.20 DRAFT 10% CONCEPT DESIGN Issue Date Description		Greenbox		Suite 101, 815 Pacific Highway, Chateau NSW 2061 Ph: (02) 9411 1465 www.geoscapes.com.au ABN 64 620 205 781 ACN 620 205 781				MAMRE ROAD DATA CENTRE CAMPUS		ULTIMATE		ULTIMATE		MAMRE ROAD DATA CENTRE CAMPUS	
								Author Job Number: 250731		Drawn by: KC		Designed by: KC		Scale: 1:400	
								Project Number: SYD4		Checked by: BG		Approved by: BG		Sheet: A0	
								File Name: SSDA-SITE-DRG-GEO-LAN-00101						Drawing Number: 00101	
														Rev: 08	



LEGEND	
	CADASTRAL SITE BOUNDARY - 322,47m ²
	ON LOT AREA (WEST & EAST CAMPUS) - 435,920m ²
	FENCE TYPE 1 - ANTICLIMB WELD MESH
	FENCE TYPE 2 - PVC COATED CHAIN LINK
	FENCE TYPE 3 - WOODEN FENCE
	3m SECURITY CLEAR ZONE
	PROPOSED TREE
	MATRIX 1 - SECURE ZONE PLANTING (M1)
	MATRIX 2 - CAR PARK PLANTING BLUSTER (M2)
	MATRIX 3 - COSH PLANTING ZONE (M3)
	MATRIX 4 - WEST CAMPUS SOUTHERN ENTRY PLANTING (M4)
	MATRIX 5a - MAMRE ROAD LANDSCAPE SETBACK (M5a)
	MATRIX 5b - MAMRE ROAD WALL PLANTING (M5b)
	MATRIX 6 - WEST CAMPUS ROAD 1 LANDSCAPE SETBACK (M6)
	MATRIX 7 - NORTHERN ACCESS ROAD SETBACK (M7)
	MATRIX 8 - EAST CAMPUS ROAD 1 LANDSCAPE SETBACK (M8)
	MATRIX 9 - EAST BOUNDARY MIXED PLANTING (M9)
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	MATRIX 12 - SOUTHERN LINK ROAD TERRACE PLANTING (M12)
	MATRIX 13 - NATIVE PLANTING MIX (M13)
	INGROUND OSD TO ENGINEERS DETAILS
	RETAINING WALLS. REFER TO ENGINEERS DETAILS
	GRASS LINED SWALE. REFER TO ENGINEERS DETAILS
	ROOT BARRIER
	AMSTERDAM STRUCTURAL SOIL TO PROVIDE TREE ROOTS MORE GROWING SPACE IN CAR PARK AREAS

Drawing Status: FOR REVISED SSDA SUBMISSION			Architects: 			Contractor / Consultant / Document Author:  Suite 101, 815 Pacific Highway, Chateau NSW 2067 Ph: (02) 9411 1485 www.geoscapes.com.au ABN 64 620 205 781 ACN 620 205 781			Key Plan: 			Site: MAMRE ROAD DATA CENTRE CAMPUS			Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS		
01	11.06.25	REVISED SSDA SUBMISSION	Drawn by: KC			Designed by: KC			Scale: 1:400			Drawing title: Detail Plan - Sheet 2			Drawing number: 00102			Rev: 08			
02	09.06.25	FOR SSDA SUBMISSION	Checked by: BG			Approved by: BG			Sheet: A0												
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