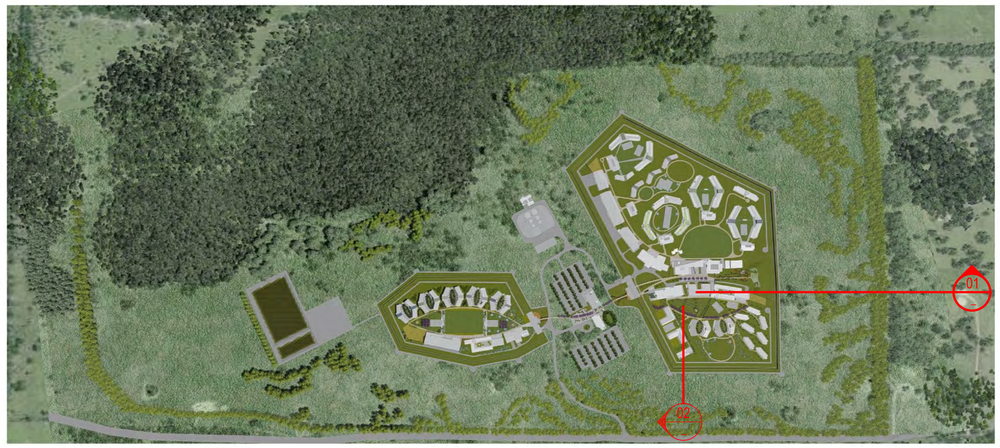

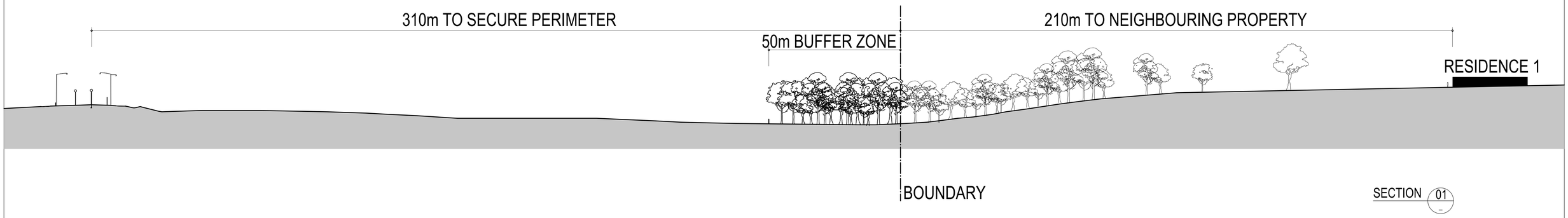

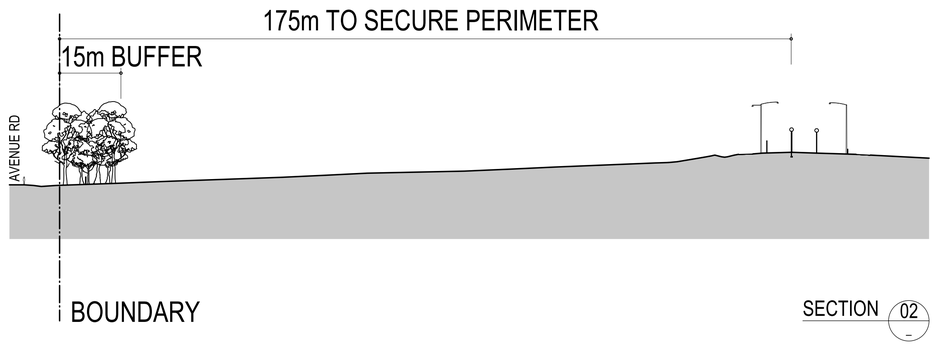

PLOTFILE DATE: 30/05/2017 PLOTFILE TIME: 2:10:47 PM

AMENDMENTS

REV	BY	DATE	DESCRIPTION
A	MT	26.05.17	ISSUED FOR DA APPROVAL

NORTHERN pathways
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NSW GOVERNMENT

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PERUMAL PEDAVOLI ARCHITECTS

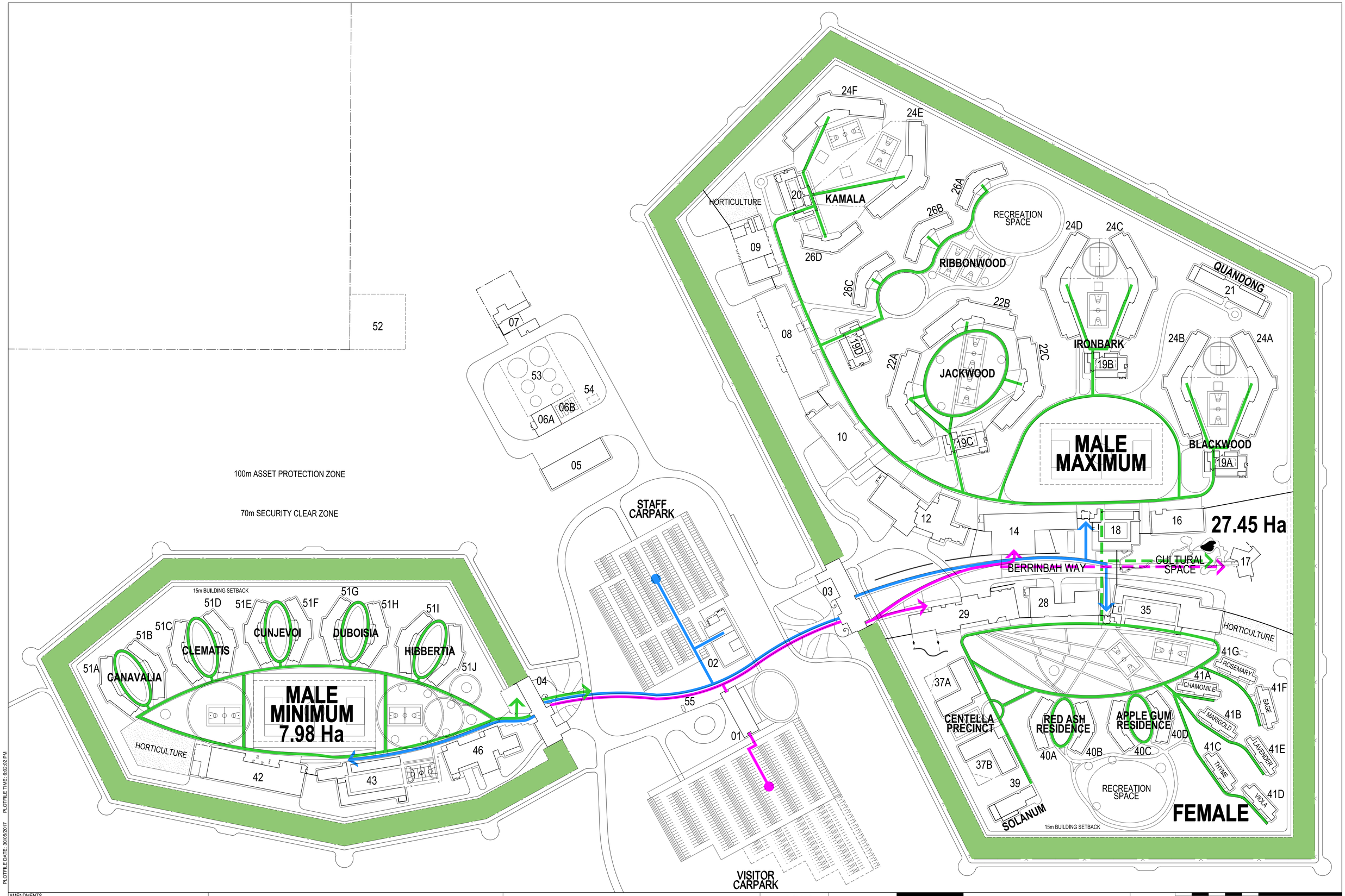
NEW GRAFTON CORRECTIONAL CENTRE
313 Avenue Rd, Lavadia NSW 2462

SITE SECTIONS

SCALE 750 @ A1

26 MAY 2017

DRAWING NUMBER				REVISION
PROJECT	DISCIPLINE	PHASE	SERIES NUMBER	
3206	ARC	DA2	_00_013	A



PLOTFILE DATE: 30/05/2017 PLOTFILE TIME: 6:02:02 PM

AMENDMENTS

REV	BY	DATE	DESCRIPTION
A	MT	26.05.17	ISSUED FOR DA APPROVAL

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CIRCULATION - PEDESTRIAN OVERALL

NORTH

SCALE 1:1500 @ A1

26 MAY 2017

DRAWING NUMBER				REVISION
PROJECT	DISCIPLINE	PHASE	SERIES NUMBER	
3206	ARC	DA2	_00_020	A

PLOTFILE DATE: 30/05/2017 PLOTFILE TIME: 6:02:11 PM

AMENDMENTS			
REV	BY	DATE	DESCRIPTION
A	MT	26.05.17	ISSUED FOR DA APPROVAL

LEGEND

- DELIVERIES TO STORE
- VEHICLES TO INDUSTRIES, KITCHEN, LAUNDRY
- MAINTENANCE VEHICLE
- FOOD DISTRIBUTION
- WASTE MANAGEMENT

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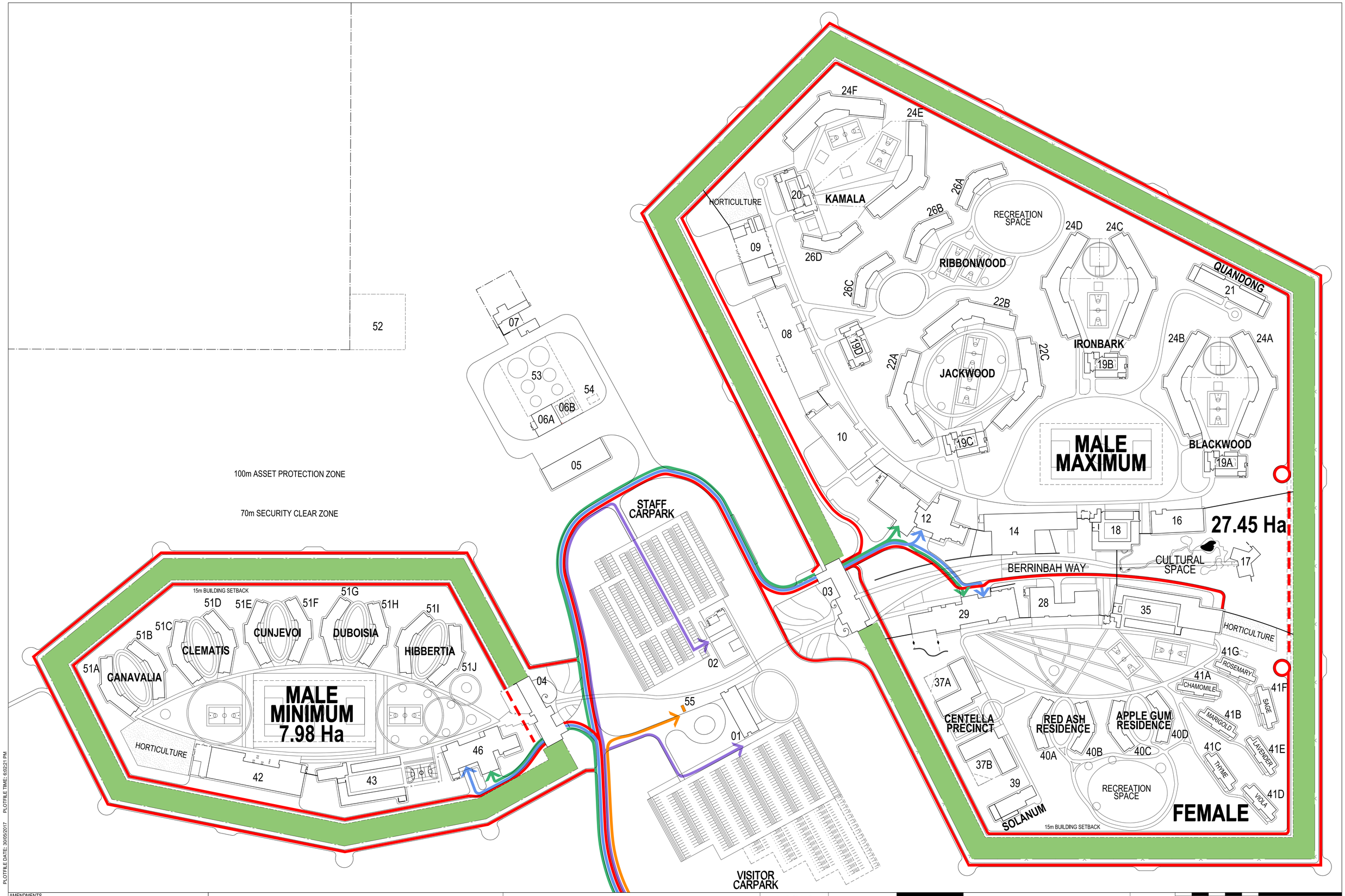
CIRCULATION - VEHICLE
MATERIALS HANDLING
OVERALL

SCALE 1:1500 @ A1
26 MAY 2017

DRAWING NUMBER				REVISION
PROJECT	DISCIPLINE	PHASE	SERIES NUMBER	
3206	ARC	DA2	_00_030	A



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AMENDMENTS			
REV	BY	DATE	DESCRIPTION
A	MT	26.05.17	ISSUED FOR DA APPROVAL

LEGEND

- INMATE TRANSPORT TO RECEPTION
- AMBULANCE ACCESS TO HEALTH
- EMERGENCY SERVICES VEHICLES
- BICYCLES
- BUS

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NEW GRAFTON CORRECTIONAL CENTRE
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CIRCULATION - VEHICLE
EMERGENCY & SERVICES
OVERALL

NORTH

SCALE 1:1500 @ A1
26 MAY 2017

DRAWING NUMBER				REVISION
PROJECT	DISCIPLINE	PHASE	SERIES NUMBER	
3206	ARC	DA2	_00_040	A

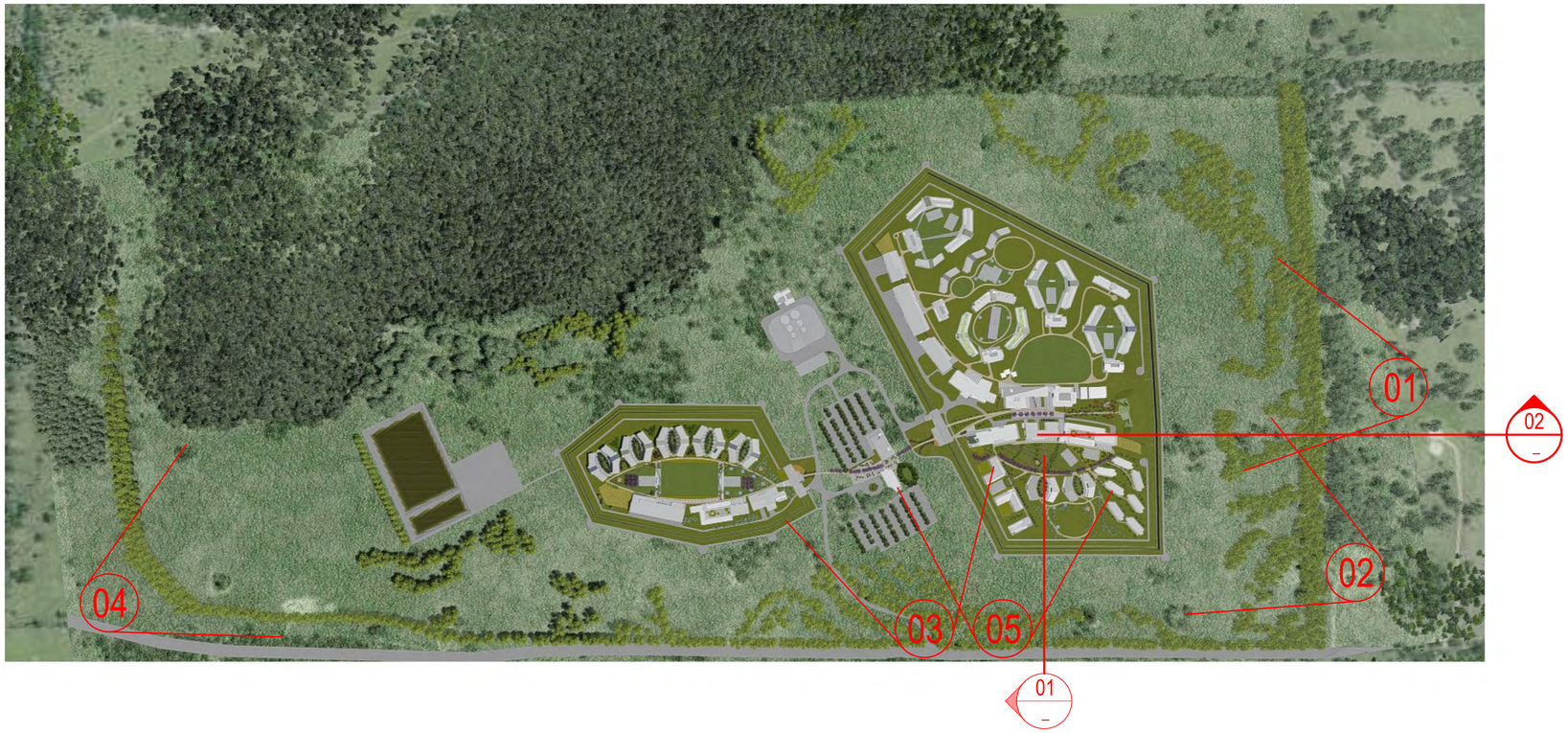
IMAGE CROSS REFERENCES

IMAGE 01 - REFER TO 3206-ARC-DA2_00_015

IMAGE 02 - REFER TO 3206-ARC-DA2_00_016

IMAGE 03 - REFER TO 3206-ARC-DA2_00_017

IMAGE 04 - REFER TO 3206-ARC-DA2_00_018



STATEMENT FROM LIGHTING DESIGNER

The design of the lighting has considered the impact on the surrounding areas and its design seeks to minimise the intrusion of light into the public domain.
The following statement and images have been provided by the JHA Consulting Engineers. It outlines the design approach and illustrates the light spill around the facility.
JHA has undertaken the detailed design and documentation of the external lighting associated with the Grafton Correctional Centre with a view of achieving full compliance with the project Environmental Impact Statement (EIS), the functional / security requirements of Project Co and compliance with the Australian Standard, AS4282, "Control of the Obtrusive Effects of Outdoor Lighting.
Attached are the results from JHA's analysis and design.

In summary JHA can confirm the following outcomes from the design:

- The nearest neighbouring property is approximately 300 meters from the perimeter fence of the Correctional Centre

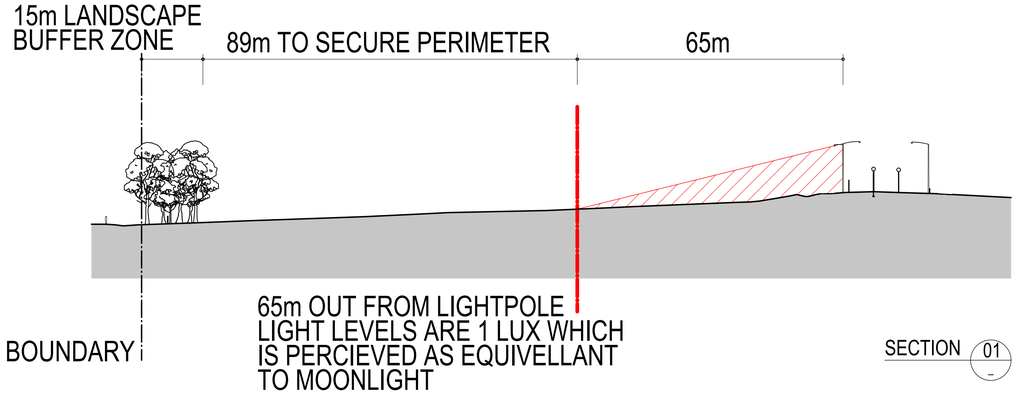
- The Correctional Centre is screened from direct view of the neighbouring properties by a 50m landscape buffer zone situated approximately 250 meters from the perimeter fence of the Correctional Centre

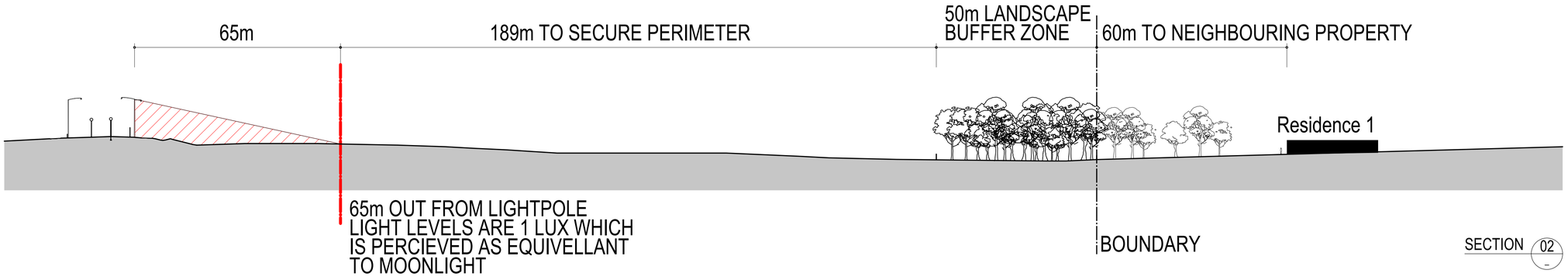
- The perimeter lighting consists of a LED luminaire mounted on a pole such that the top of the luminaire is no greater than 12 meters above ground. All such pole mounted luminaires are directed downwards and with no upward light component beyond the horizontal.

- Notwithstanding the screen planting provided by the buffer zone the horizontal illuminance from the perimeter lighting is calculated to be less than 0.1 lux at 65 meters from the perimeter of the Correctional Centre.

- Notwithstanding the screen planting provided by the buffer zone the vertical illuminance from the perimeter lighting is calculated to be less than 1 lux at 65 meters from the perimeter of the Correctional Centre.

- In JHA's professional opinion there will be no obtrusive spill lighting that will have a detrimental impact on the neighbouring properties.





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AMENDMENTS

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SITE SECTIONS ILLUSTRATING LIGHTING DESIGN IMPACT

SCALE 750 @ A1
26 MAY 2017

DRAWING NUMBER				REVISION
PROJECT	DISCIPLINE	PHASE	SERIES NUMBER	
3206	ARC	DA2	_00_050	A