

Our Ref: 18AWE02.6

27 September 2022

EMKC³ Pty Ltd
Level 11,
37 York Street
Sydney NSW 2000 Australia

Attention: Mr Pawan Lala

Dear Pawan

**Re: Section 4,55 Modification assessment and advice for AirTrunk Data Centre, 1
Sirius Road, Lane Cove West**

Travers bushfire & ecology (TBE) has been engaged to prepare an assessment of the potential implications for bushfire protection following modifications to the approved design layout.

A bushfire protection assessment was prepared for the project by TBE (18AWE02.4B Dated August 2019), which was subsequently approved as a State Significant Development.

Modifications to the approved design layout are now requested, including;

MODIFICATIONS TO EXTERNAL WORK

1. Omit 3x parking lots (Parking lots West of Northern gantry)
2. Omit 1x parking lot (Parking lots West of Shell A/B)
3. Parking lots in new location (Parking lots South of Shell A)
4. Add 8x parking lots (Parking lots North West of Apollo)
5. Update parking lot configuration (Parking lots south of Shell C)
6. Omit 1x mini-bus parking bay
7. Omit 26x parking lots (Southern Tank Yard)
8. Additional water tanks (Southern Tank Yard)
9. Additional pump room (Southern Tank Yard)
10. Reduce landscape area, modify fence line and retaining wall location (Site East)

MODIFICATIONS TO BUILDING

1. Additional passenger lift (L2 - L5, South-East of Shell A)
2. Waste Room labelled (Waste Room on L4)
3. Change phase sequencing (Shell C & D)
4. Omit blade feature to North Elevation
5. Update Roof Chiller Layout

MODIFICATIONS TO WESTERN GANTRY

1. Additional Vertical Baffle (West elevation of Western Gantry)

MODIFICATIONS TO NORTHERN GANTRY

1. Additional excavation (L1 of Northern Gantry)
2. Additional HV Switchroom (L1 of Northern Gantry)
3. Proposed tank yard area (L1 of Northern Gantry)
4. Show external equipment (L2 - 5 of Northern Gantry)
5. Additional storey to Northern Gantry (L7 - L8 Northern Gantry)

6. Additional Vertical Baffle (North elevation of Northern Gantry)
7. Additional external hoist lift

MODIFICATIONS TO EASTERN GANTRY

1. Relocate External Steel Stair (both external steel stairs)
2. Additional MV Switchroom (L1 & L2 Eastern Gantry)
3. Additional storey to Eastern Gantry (L7 - L8 Eastern Gantry)
4. Additional Vertical Baffle (East elevation of Eastern Gantry)
5. Additional external hoist lift

MODIFICATIONS TO APOLLO

1. Add 1x parking lot (Apollo basement)
2. Omit 3x parking lots (Apollo lower-ground level)

The proposed modifications are detailed in the drawings prepared and supplied by Greenbox Architecture Pty Ltd;

- ATSYD2_SSD_DRG_ARC_0000 Issue 14 dated 26/08/2022. (Cover sheet for drawing series)

The following advice is based on the supplied drawings and the previously approved bushfire protection assessment.

Compliance assessment

The following table assess the compliance of the proposed modifications.

PROPOSED MODIFICATION	COMPLIANT?	COMMENT
MODIFICATIONS TO EXTERNAL WORK		
1. Omit 3x parking lots (Parking lots West of Northern gantry)	Yes	No impact on bushfire protection
2. Omit 1x parking lot (Parking lots West of Shell A/B)	Yes	No impact on bushfire protection
3. Parking lots in new location (Parking lots South of Shell A)	Yes	No impact on bushfire protection
4. Add 8x parking lots (Parking lots North West of Apollo)	Yes	No impact on bushfire protection
5. Update parking lot configuration (Parking lots south of Shell C)	Yes	No impact on bushfire protection
6. Omit 1x mini-bus parking bay	Yes	No impact on bushfire protection
7. Omit 26x parking lots (Southern Tank Yard)	Yes	No impact on bushfire protection

8. Additional water tanks (Southern Tank Yard)	Yes	Additional construction on this façade will require a modification to the proposed APZ. Modified APZ is shown in the Bushfire report revised Schedule 1 map attached.
9. Additional pump room (Southern Tank Yard)	Yes	No impact on bushfire protection Note: to be constructed to approved BAL construction standard as adjacent facade
10. Reduce landscape area, modify fence line and retaining wall location (Site East)	Yes	No impact on bushfire protection Note, Modification of APZ area accounted for in relocation of APZ boundary
MODIFICATIONS TO BUILDING		
1. Additional passenger lift (L2 - L5, South-East of Shell A)	Yes	No impact on bushfire protection
2. Waste Room labelled (Waste Room on L4)	Yes	No impact on bushfire protection
3. Change phase sequencing (Shell C & D)	Yes	No impact on bushfire protection
4. Omit blade feature to North Elevation	Yes	No impact on bushfire protection
5. Update Roof Chiller Layout	Yes	No impact on bushfire protection
MODIFICATIONS TO WESTERN GANTRY		
1. Additional Vertical Baffle (West elevation of Western Gantry)	Yes	No impact on bushfire protection
MODIFICATIONS TO NORTHERN GANTRY		
1. Additional excavation (L1 of Northern Gantry)	Yes	No impact on bushfire protection
2. Additional HV Switchroom (L1 of Northern Gantry)	Yes	No impact on bushfire protection

3. Proposed tank yard area (L1 of Northern Gantry)	Yes	No impact on bushfire protection
4. Show external equipment (L2 - 5 of Northern Gantry)	Yes	No impact on bushfire protection
5. Additional storey to Northern Gantry (L7 - L8 Northern Gantry)	Yes	No impact on bushfire protection Note: approved construction standard for lower gantries to be adopted for modified layout construction.
6. Additional Vertical Baffle (North elevation of Northern Gantry)	Yes	No impact on bushfire protection
7. Additional external hoist lift	Yes	No impact on bushfire protection
MODIFICATIONS TO EASTERN GANTRY		
1. Relocate External Steel Stair (both external steel stairs)	Yes	No impact on bushfire protection
2. Additional MV Switchroom (L1 & L2 Eastern Gantry)	Yes	No impact on bushfire protection
3. Additional storey to Eastern Gantry (L7 - L8 Eastern Gantry)	Yes	No impact on bushfire protection
4. Additional Vertical Baffle (East elevation of Eastern Gantry)	Yes	No impact on bushfire protection
5. Additional external hoist lift	Yes	No impact on bushfire protection
MODIFICATIONS TO APOLLO		
1. Add 1x parking lot (Apollo basement)	Yes	No impact on bushfire protection
2. Omit 3x parking lots (Apollo lower-ground level)	Yes	No impact on bushfire protection

Following assessment of the proposed modifications, no noncompliance with the approved conditions is apparent. Where not stated within the supplied plans it is assumed that the approved construction standards will be applied to all new construction.

If you require any further information, please do not hesitate to contact our office on 1300 896 998 or at info@traverseecology.com.au.

Tony Hawkins (*M. Bushfire prot. – BPAD 48592*)

Manager, Bushfire Services



Tony Hawkins is a BPAD accredited consultant certified by the Fire Protection Association. FPA Australia administers the Bushfire Planning and Design (BPAD) Accreditation Scheme. The Scheme accredits consultants who offer bushfire assessment, planning, design and advice services. It accredits practitioners who meet criteria based on specific accreditation and competency requirements, including a detailed knowledge of the relevant planning, development and building legislation for each State and Territory. Through the Accreditation Scheme, BPAD Accredited Practitioners are recognised by industry, regulators, fire agencies, end-users and the community as providers of professional bushfire assessment, planning, design and advice services. The Scheme provides an enhanced level of confidence for government and the community that practitioners are accredited by a suitably robust scheme that is administered by the peak national body for fire safety. Note: L3 is the highest level and L1 is the lowest



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Disclaimer:

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The mapping is indicative of available space and location of features which may prove critical in assessing the viability of the proposed works. Mapping has been produced on a map base with an inherent level of inaccuracy, the location of all mapped features is to be confirmed by a registered surveyor.

**ATTACHMENT; REVISED BUSHFIRE REPORT
SCHEDULE 1 MAP**



DISCLAIMER: ATSYD2-SSD-ARC_0050-MASTER PLAN_DWG [11]-1.0.dwg not georeferenced and has been aligned to previous, georeferenced CAD. Verification by a registered surveyor is required prior to finalisation.

Legend

- Subject site (source: CAD)
- Contour (1m) (source: LiDAR)
- Gate (existing)
- Hydrant (existing)
- Unformed road/ access to easement
- Walking track

Proposed Infrastructure

- Data hall
- Generator platform
- Substation
- GIS
- Firetrail
- Track (AUSGRID access)
- Driveway

Vegetation Formation

- Forest
- Forested Wetland
- Saline Wetland (not bushfire prone)

Riparian corridor

- 20m buffer
- 40m buffer

Asset Protection Zone (APZ)

- Bushfire Construction Standards AS3959 (2018)*
- Flame zone (FZ)
- BAL 40

Aerial source: Nearmap

* Please refer to additional construction requirements for BAL levels which are contained in 'Planning for Bushfire Protection' (2019).

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PROJECT & MXD REFERENCE

1 Sirius Road, Lane Cove West
20EMKC02_BF001

DATE & ISSUE NUMBER

27/09/2022
Issue 1

SCALE & COORDINATE SYSTEM

1:1,500 @A3
GDA 1994 MGA Zone 56

TITLE

Schedule 1 - Bushfire Protection Measures

Document Path: N:\GIS STORAGE\N Drive\18AWE02_SiriusRd_LaneCoveWest\MXDs\20EMKC02_BF001.mxd

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