



Doc Ref: WF151-05F02(rev0)- WE Memo

Date: August 13, 2020

To: Health Infrastructure

Address: Level 14, 77 Pacific Highway, North
Sydney, NSW 2060

**RE: LIVERPOOL HEALTH & ACADEMIC PRECINCT CARPARK
DESKTOP PEDESTRIAN WIND ENVIRONMENT MEMO**

This technical memo presents an assessment of the updated design for the Liverpool Health & Academic Precinct Carpark development.

Windtech Consultants have previously undertaken desktop pedestrian wind assessment for this development, as presented in the desktop pedestrian wind statement provided March 11, 2020 (report reference: WF151-04F02(rev1) - WS Report). This report assessed the wind environment conditions for pedestrian trafficable areas within and around the subject development and provided in-principle recommendations to address potential adverse wind conditions.

Since the time of issuance of the abovementioned report, there have been some design changes to the development. Windtech has reviewed the design changes to the development based on the latest set of architectural drawings prepared by fitzpatrick + partners, received August 6, 2020.

Based on the recommendations of the previous report, it is expected that the majority of trafficable outdoor locations within and around the development will be suitable for their intended uses. The following in-principle treatments are recommended to be included and/or retained in the final design, to ensure suitable wind conditions can be achieved in all assessed pedestrian trafficable areas:

- The retention of the covered walkway awning to the north of the Don Everett Building and to the north and east of the Brain Injury Building
- The retention of all proposed landscaping, including the line of trees that wraps around the ramp, the trees to the east of the Dock B Entry, the trees to the north of the Dock B entry and the trees at the centre of the Forbes Street Entry drop-off.

- The inclusion of Callistemon planting and bamboo screening along the eastern boundary of the site, adjacent to the railway line.
- The retention of the proposed tree planting along the eastern side of the covered walkway that runs along the eastern face of the Brain Injury Building (Based on drawings prepared by Clouston Associates, received on March 11, 2020)
- The inclusion of densely foliating vegetation to be planted at the south-eastern boundary of the new carpark, adjacent to the entry/exit to P4.

With the inclusion of these treatments to the final design, it is expected that wind conditions for all outdoor trafficable areas within and around the development will be suitable for their intended uses.

DOCUMENT CONTROL

Date	Revision History	Issued Revision	Prepared By (initials)	Instructed By (initials)	Reviewed & Authorised by (initials)
August 13, 2020	Initial.	0	ML	AFM	RL

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