WINDTECH

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Date: August 9, 2021

To: BVN Architects

Address: Level 11, 255 Pitt Street, Sydney NSW 2000

Attn: Ms Catherine Skinner

RE: JOHN HUNTER HEALTH AD INNOVATION PRECINCT
HELIPAD DESIGN CHANGE WIND IMPACT LETTER

Dear Catherine,

Windtech Consultants have previously undertaken a detailed Computational Fluid Dynamics (CFD) assessment to review the wind conditions at the trafficable ground level and terrace areas within and around the proposed Acute Services building of the John Hunter Health and Innovation Precinct. The results and recommendations of this study were presented within the Pedestrian Microclimate CFD Study report provided May 28, 2021 (report ref: WF899-01F04(REV6)).

Since the time of the initial CFD assessment, the Helipad design has evolved to include an air gap below the HLS slab to allow for air movement through this space to reduce the prevailing winds up-washing across the Helipad and increasing local velocities and turbulence effects on landing helicopters. This design is considered an improvement over the previous Helipad design and Windtech is undertaking further CFD simulations to quantify the effect of this design on the wind conditions atop the helipad.

Furthermore, it should be noted that the updated helipad design scheme is not expected to impact upon the results and recommendations presented within our previous reporting for the various publicly trafficable areas within and around the Acute services building.

Regards,

Windtech Consultants

Simon Ronald
Technical Director