

23 January 2017

CPP Project 8041

University of Technology, Sydney
15 Broadway
Ultimo
NSW 2007

Attn: Mr. Gregory Moore

Subject: UTS Central – Broadway Frontage Modifications

Ref: (1) CPP Report for pedestrian level wind conditions, 'CPP8041_UTS Central_REP_PW_R00', dated 16 December 2016.
(2) CPP Report for design façade pressures, 'CPP8041_UTS Central_REP_PR_R00', dated 20 January 2017.

Dear Mr. Moore,

This letter supports an application made under Section 96 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) to modify Development Consent for State Significant Development 7382 for the University of Technology, Sydney, UTS Central Precinct. Since the lodgement of this Development Application there have been a number of minor changes to the UTS Central building as outlined below:

Overview of Proposed Modifications

This Modification Application seeks approval for the following amendments:

- moving the Broadway façade on Levels 5 – 8, 1.8 m to the Broadway boundary,
- adjustment of the Jones Street façade, landscaping, and entry,
- inclusion of an awning along the full extent of the Broadway frontage that will project over the boundary, and
- inclusion of laboratory exhaust ducts and boiler flue on the roof of the Level 17 Plantroom.

From a wind perspective, the modifications to the building are considered minor and would only have an impact on the local wind conditions close to the changes, with the overall massing dictating the general wind conditions. Previous CPP wind tunnel test reports summarise the pedestrian level wind environment around the proposed UTS Central development (1), and provide design wind loads for façade design (2).

It is expected that the Section 96 modifications would result in a similar pedestrian level wind environment as reported in (1), which was conducted with both Phases 1 and 2 complete with the façade along the entire length of Broadway. The addition of the approximately 4 m deep awning along Broadway, would provide a slight benefit to pedestrians from a wind perspective. The areas around the proposed development would remain suitable for the intended use of the spaces. The wind conditions with just Phase 1 complete would be expected to be similar as the façade massing has not changed significantly and the general wind conditions are governed by the UTS tower and the One Central Park residential tower on the south side of Broadway.

Advice has been provided as to the best location of the laboratory exhaust ducts on the roof from a wind perspective to avoid air quality issues on the Level 17 terrace and surrounding areas. Detailed dispersion modelling of the exhausts has not yet been conducted to

determine the required final stack design parameters (stack height, volume flow, and exit velocity) that would be required to achieve the design criteria appropriate to each type of emission source: laboratory exhaust, boiler exhaust, and amenity exhaust. This would generally be conducted during the detailed design phase.

I hope this is of assistance, please do not hesitate to contact me on 9551 2000 if you would like to discuss any aspect of this report.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'G. Wood'.

Graeme Wood

Director

cc: Michelle Noguez Ceron, CPP