

CPP Project 7093

14 September 2015

Urbanest Pty Ltd
Suite 102, Level 1
Australia Square, Plaza Building
95 Pitt Street, Sydney
NSW 2000

Attn: Mr. Andy Stubbs

Subject: Wind Engineering & Solar Reflectivity – Plot W1 Urbanest Darling Square Stage 2 (SICEEP W1) Student Accommodation Development Application.

- Ref: (1) CPP Report '7093 SICEEP W2 Student Accommodation Wind Report Final - rev3', dated 5 June 2013 including test results for W1 and W2.
(2) CPP Report '7093 SICEEP Student Accommodation Reflectivity Report R1' dated 10 May 2013.
(3) CPP Report 'CPP7093_DS1_REP_S96_R00' dated 14 August 2015.

Dear Mr. Stubbs,

Cermak Peterka Petersen Pty. Ltd. (CPP) was previously engaged to assess the proposed Sydney International Convention Centre, Exhibition and Entertainment Precinct (SICEEP), West Plot of Darling Square in terms of Wind Engineering and Solar Reflectivity Traffic Impact. This letter supports a Development Application for the development of Plot W1 Urbanest Darling Square Stage 2 which is part of the SICEEP.

CPP previously conducted wind tunnel testing for Building W2 (1) whereby the building was tested in isolation and also with future surrounding Haymarket developments including the approved Concept Proposal building envelope for W1. The current detail designed W1 is a 22 storey tower including roof (AJ+C drawings included with this submission) and is of very similar massing to a model of the tower previously tested in the wind tunnel by CPP (1) and (3).

The detailed design of Building W1 is within the approved Concept Proposal building envelope, and it is considered that results in test reports (1) and (3) will remain unchanged with W1 in its current configuration, i.e. winds assessed against the Lawson comfort and distress criterion remaining at or below 'pedestrian walking' and 'pass' ratings respectively.

The Solar Reflectivity report (2) quantifies the potential for solar reflectivity glare from the facades of the West Plot buildings to impact upon motorist using roadways intersecting and surrounding the SICEEP precinct. The latest modifications will have little impact on the findings of the previous CPP reflectivity assessment (2).

In light of the above, the conclusions of the original reports remain valid and relevant for Building W1 despite the detailed building design now being completed.

I trust 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,



Matt Glanville
Director

cc P. A. Bourke