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6 August 2012

Mr. Renato Vitocco
Conceptual Designer
Westfield Design & Construction Pty. Ltd.
P.O. Box 4004
Sydney 2001

Dear Sir,

**RE: PROPOSED WESTFIELD SHOPPING CENTRE PARRAMATTA DEVELOPMENT:
POTENTIAL HELICOPTER FLIGHT IMPACTS WITH PROPOSAL**

I refer to the request for an assessment of the potential impacts relating to helicopter flights in the vicinity of the proposed Westfield Shopping Centre development, as per the drawings provided as noted:

- DA-01-5215 Proposed Roof Plan.pdf
- Parramatta Terrain-A 120726 Campbell Street Colonnade Persp 01-02.jpg
- WDC-PLA-013 Indicative Crane Section.pdf

The Civil Aviation Safety Authority (CASA) Australia through its Manual of Standards (MoS) Part 139 – Aerodromes, provides the relative information pertaining to aviation obstacle lighting requirements.

The location and height of the proposed Parramatta development is below and thus outside the Sydney Kingsford Smith and Bankstown Airport Obstacle Limitation Surfaces (OBS). Sub-section 9.4.1.2 of the MoS however states that in general, an object more than 110 m. above ground level and outside the OBS of an aerodrome requires obstacle lighting. The crane booms as described in drawing WDC-PLA-013 are 115 m. high and therefore obstacle lighting is required. It is also common to have an obstacle light half way up the vertical section of the crane, and one at each end of a horizontal boom. Recommended obstacle lighting is medium intensity red, either flashing or steady. The MoS recommends flashing red unless there is environmental sensitivity.

There is considerable helicopter activity in the Sydney area including the area of Parramatta. The closest helicopter bases to the proposed construction site are those of Child Flight and CareFlight which are both Helicopter Emergency Medical Services (HEMS) based at Westmead Hospital, and commercial operator Sydney Helicopter Service based at the Parramatta Speedway Wentworth Street Granville.

Except for the purposes of takeoff and landing, helicopters would not normally be below 1,500 feet above a populated area. There can be exceptions for HEMS operations, and the Seven Network helicopter operates from the Parramatta Speedway base.

Normal helicopter operations however would not involve flight in close proximity to the proposed development and thus the development and the obstructions should present no issues.

As the development proceeds, it would be prudent to advise CASA and the operators specified, of the obstruction height and the period that obstructions will be in place. I can also undertake this task on your behalf if you wish, with the appropriate advance warning.

Yours sincerely,

A handwritten signature in black ink, consisting of a stylized 'G' followed by a long, sweeping horizontal line that ends in a small hook.

Graeme C Wright
President