

APPENDIX F

WIND CONSULTANT LETTER



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September 10, 2020

David Yamane
THE HOWARD HUGHES CORPORATION
1240 Ala Moana Boulevard, Suite 200
Honolulu, HI 96814
David.Yamane@howardhughes.com

Re: Pedestrian Wind Conditions
Ward Village Block H
Honolulu, Hawaii
RWDI Reference No. 1800014

Dear Mr. Yamane,

Rowan Williams Davies & Irwin Inc. (RWDI) has been requested by The Howard Hughes Corporation to conduct wind tunnel studies for the pedestrian wind conditions on and around the proposed Ward Village Block H development in Honolulu, Hawaii. The proposed development includes a 41-story tower with residential units, mixed unit program and related amenity spaces, bounded on the North by Halekauwila Street, on the East by parkland, on the South by Auahi Street and on the West by Ward Avenue.

Winds around the proposed development have been simulated in one of RWDI's boundary-layer wind tunnels for the existing and proposed building configurations by using a scale model of the study building and its surroundings. The wind study focuses on frequently used pedestrian areas such as main entrances, sidewalks and outdoor seating areas at both the grade and podium levels. Wind tunnel measurements for 36 wind directions taken at key pedestrian areas, have been combined with the long-term weather data collected from the nearby Honolulu International Airport to predict the wind speeds and frequencies in full scale. These data are then be compared with the RWDI wind comfort and safety criteria to determine if they are appropriate for the intended usage of the pedestrian areas on and around the development. Following the wind tunnel tests and analysis, a report will be issued to summarize our main findings through tables and figures. Wind mitigation measures will be provided for areas where higher-than-desired wind speeds are detected.

Based on the initial wind study findings and the proposed uses in the project area:

1. At the ground level, wind mitigation appears to be possible via the use of landscaping to provide satisfactory levels.
2. At the amenity level, constructed wind mitigation elements and/or landscaping appear to be needed to provide satisfactory wind levels.

If you have any questions, please do not hesitate to contact us.

Respectfully submitted by:

A handwritten signature in black ink that reads "Analene Belanger".

Analene Belanger, P.Eng., PMP
RWDI - Principal / Senior Project Manager