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November 27, 2023

Your file
 CYKF - 417 King Revised (Building and Crane)
 Our file
 23-4258

Mr. Mauricio Miranda
 VanMar Developments Inc.
 145 Goddard Crescent,
 Cambridge, ON
 N3E 0B1

**RE: Development Proposal/Plans: Building(s) and Crane(s) - Waterloo, ON
 (See attached document(s))**

Mr. Miranda,

NAV CANADA has evaluated the captioned proposal and we have no objection to the project as submitted provided the following conditions are adhered to:

- No changes are to be made to the building location, dimensions and height.
- No changes are made to the construction crane location, swing radius and height.
 - The design surfaces of our LNAV/VNAV instrument flight procedure that is currently being redesigned as a result of your proposal are extremely close to both the building and crane and NAV CANADA will use the proposed locations in you submission to ensure we clear both obstacles.
- No cranes or building can exceed the height of 1600 ASL until the new instrument flight procedure for runway 08 for Kitchener / Waterloo Airport (CYKF) are published and in effect.
 - NAV CANADA intends' on publishing the revised instrument flight procedures on July 11, 2024. The procedures would become in effect on that very same day at 09:01 Zulu or (05:01 local). This will be confirmed on May 16, 2024. Please follow up with us on or after this date to ensure these procedures have not encountered any production delays.
- The departure procedures for RWY 26 will be impacted as follows:
 - While construction crane is up, runway 26 departure climb gradient, must be increased to 270 FT/NM
 - After the crane is removed the climb gradient will remain and lowered to 220 FT/NM to clear the building
- Any additional cranes used to erect or remove the construction crane must also be submitted for review as additional mitigations will be required with any additional height.

In the interest of aviation safety, it is incumbent on NAV CANADA to maintain up-to-date aeronautical publications and issue NOTAM as required. To assist us in that end, we ask that you notify us at least 10 business days prior to the start of construction. This notification requirement can be satisfactorily met by returning a completed, signed copy of the attached form and an Excel copy of the attached spreadsheet by email at landuse@navcanada.ca or fax at 613-248-4094. In the event that you should decide not to proceed with this project or if the structure is dismantled, please advise us accordingly so that we may formally close the file.

If you have any questions, contact the Land Use Department by email at landuse@navcanada.ca.

NAV CANADA's land use evaluation is based on information known as of the date of this letter and is valid for a period of 18 months, subject to any legislative changes impacting land use submissions. Our assessment is limited to the impact of the proposed physical structure on the air navigation system and installations; it neither constitutes nor replaces any approvals or permits required by Transport Canada, other Federal Government departments, Provincial or Municipal land use authorities or any other agency from which approval is required. Innovation, Science and Economic Development Canada addresses any spectrum management issues that may arise from your proposal and consults with NAV CANADA engineering as deemed necessary.



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Regards,

Land Use Office
NAV CANADA

cc ONTR - Ontario Region, Transport Canada
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Acronyms:

RNAV	- Area Navigation
GNSS	- Global Navigation Satellite System
RWY	- Runway
RNP	- Required Navigation Performance
LNAV/VNAV	- Barometric Vertical Navigation