

Ministry of Transportation

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September 20, 2024

Katya Seravalle
DECAST Ltd.
8807 County Road 56
Utopia ON L0M 1T0

Dear Ms. Seravalle,

This is in response to your Evaluation report dated February 2024 and supporting documentation for the height increase of the Decast Gravix System on the MTO DSM List. In response to our review, further technical information was submitted and an updated Evaluation report was provided July 2024.

The Gravix Retaining Wall System consists of precast reinforced concrete facing panels with integrated concrete stems. Granular backfill is placed and compacted behind the facing panels and between the stems to create a reinforced soil zone to retain the ground behind the zone.

Decast Gravix is currently approved under Demonstration Status on the DSM MTO RSS Wall/Slope List #9.70.56 for applications up to 8 m high under high appearance and high performance. Decast requested to modify the currently status for applications up to 12m high under high appearance and high performance.

Please be advised that approval has been granted for the Gravix System RSS No. 56 with the following attributes:

- Maximum Angle (measured from horizontal) – 90 degrees
- Maximum Wall Height – 12 m
- High Appearance
- High Performance
- Traffic Barrier – Yes
- Demonstration (DE) acceptance status

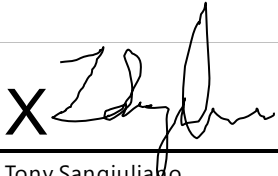
Approval of this system is subject to the following requirements:

- Compliance with CHBDC (2019) Section 6.19 – MSE Wall Systems.
- Minimum 75-year design service life as an MSE permanent structure.

- Free draining granular backfill with minimal fines for the reinforced soil zone behind the stone face – Granular A and Granular B Type II are acceptable.
- Exposure to drainage, runoff and de-icing salt spray (especially for RSS above roadway) must be addressed by a project-specific corrosion evaluation during detailed design in the Working Drawings.
- Future acceptance from 'DE' to 'A' will require monitoring of a Gravix wall for an MTO project to demonstrate acceptable performance.

The updated RSS properties will be applied to the DSM MTO RSS Wall/Slope List #9.70.56 in the next update. In the meantime, please use this letter to bid on MTO Contracts requiring the updated RSS properties. Please do not hesitate to contact me if you have any questions or concerns.

Yours sincerely,



X _____
Tony Sangiuliano
Head, Foundations

For

Andrew DeSira, P. Eng., Senior Foundation Engineer
Chair, MTO's RSS Committee

cc: Katya Seravalle- DECAST Ltd.
MTO RSS Committee