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# SOIL-MAT ENGINEERS & CONSULTANTS LTD.

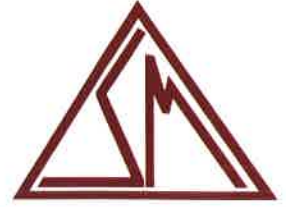
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**PROJECT NO.: SM 156461-G**

October 9, 2019

LOSANI HOMES LTD.  
430 McNeilly Road, Suite 203  
Stoney Creek, Ontario  
L8E 5E3

Attention: Brandon Almeida  
Land Development Coordinator

**SUPPLEMENTAL EARTHEN EMBANKMENT STABILTY COMMENTS  
PROPOSED RESIDENTIAL DEVELOPMENT  
398 NORTH SERVICE ROAD  
GRIMSBY, ONTARIO**

Dear Mr. Almeida,

As requested, SOIL-MAT ENGINEERS has prepared this supplemental letter report with respect to soil stability at the above noted development. These comments are in addition to our initial geotechnical investigation and consideration reports.

It is understood that the proposed development will involve the reconstruction of the earthen channel between North Service Road and Lake Ontario to the North. SOIL-MAT ENGINEERS was provided with the Plan and Profile Drawings prepared by RJ Burnside & Associates Ltd. (Drawing No. C203). This drawing indicates the channel to be constructed via cuts of between roughly 1 to 3 metres, regrading the channel banks to 3 horizontal to 1 vertical, or flatter. Based on our experience on the site during previous geotechnical investigations and site remediation activities, the subsurface soils at the proposed grades are anticipated to consist of native silty clay, however some localised areas of fill material may be encountered.

Slopes through native soils at inclinations of 3 horizontal to 1 vertical are considered to be inherently stable. Given the proposed channel embankments to be 3 horizontal to 1 vertical or flatter, based on our experience on site and with the on-site soil conditions, the proposed channel sections would be considered stable in both the short and long term. It is anticipated that any fill materials encountered would have been placed in a controlled manner, and have been present on site for many years, reaching an equilibrium condition. As such it is expected that embankments through any existing fill would also remain stable in the long-term at the proposed inclinations, however further



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SUPPLEMENTARY EARTHEN EMBANKMENT STABILITY COMMENTS  
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assessment of any fill materials encountered may be warranted. It is understood that the channel embankments will be provided with vegetation upon completion of regrading, which would serve to increase stability.

We trust that these supplemental geotechnical comments are sufficient for your present requirements. Should you require any additional information or clarification as to the contents of this document, please do not hesitate to contact the undersigned.

Yours very truly,  
SOIL-MAT ENGINEERS & CONSULTANTS LTD.

A handwritten signature in blue ink, appearing to be 'K. Richardson'.

Kyle Richardson, P.Eng.  
Project Engineer



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