



June 25<sup>th</sup>, 2021  
21004

**Gala Developments Ltd.**  
**c/o Augend 189 Dundas West Village Properties Ltd.**  
31 Densley Ave  
Toronto, Ontario  
M6M 2P5

Re: **Technical Memorandum**  
**Low Impact Development (LID) Measures**  
**189 Dundas Street West, Mississauga, Ontario**

This memo is written to outline proposed Low Impact Development (LID) Measures suitable for implementation at the proposed residential development located at 189 Dundas Street West, Mississauga, Ontario. These measures have taken into consideration the site concept, which incorporates underground parking under the majority of the site, as well as City of Mississauga's requirements around a 5 mm water balance budget to reduce stormwater runoff to the municipal storm system.

#### **Rainwater Harvesting Cistern**

Capture clean rooftop and landscape stormwater runoff from the subject site into a cistern and utilize onsite through irrigation for proposed landscaping.

#### **Stormwater Quantity Control**

Reduce the peak stormwater runoff rate by controlling post development 100-year storm flows to 2-year pre-development levels as set out in the City of Mississauga guidelines for the Cooksville Creek watershed. Controls include a stormwater holding tank with a pump at a fixed release rate.

#### **Stormwater Quality Control**

Implementation of an Oil Grit Separator (OGS) at the sites storm outlet to treat stormwater for total suspended solids (TSS) and provide enhanced treatment of 80% TSS removal for 90% of storm runoff.

#### **Native & Water-Efficient Vegetation**

Proposed planting material will include a majority of both native and water efficient species.

#### **Creation of Micro-Topography**

Proposed ornamental landscaped berms act to both slow and retain water runoff.

#### **Paving Surfaces**

Proposed use of high solar reflectance index (SRI) value paving surfaces to reduce the urban-heat-island effect.



**Tree Planting**

Proposed sufficient soil volumes for both large deciduous trees and for trees in shared soil trenches, and proposed soil cells in hardscaped areas in order to encourage healthy tree development.

Refer to the provided Functional Servicing Report completed by Counterpoint Engineering for further details/calculations related to water balance and stormwater quantity and quality control. Refer to the accompanying Landscape Plans for preliminary information related to plant material, softscaping and surface treatments.

Detailed design of the proposed LID measures are to be completed during design development through the Site Plan Approval (SPA) process.

If you have any questions or require any additional information, please contact the undersigned.

Sincerely,  
**Counterpoint Engineering**

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