



November 3rd, 2021

Re: List of Low-Impact Development (LID) Features:

Project: 2935 & 2955 Mississauga Rd, Mississauga, ON

The applicant will be analyzing the list of proposed low-impact design features below through the development review process to be incorporated into the building and site design:

1. A Stormceptor EF4 OGS unit is proposed within the building, which will provide stormwater treatment by trapping free oils and floatable solids and settling any captured sediment, prior to discharge towards the external storm sewer system.
2. CULTEC Recharger 330XLHD underground infiltration chambers (or approved equivalent) are proposed to capture and retain stormwater, from the internal building storm sewer system for infiltration. The infiltration chambers have been designed with a sump such that the Water Quality Volume (WQV) is retained and infiltrated. Once the infiltration chamber is at capacity, stormwater is redirected towards the storm sewer outlet. Infiltration supports, water balance and erosion control initiatives.
3. The storm sewer system discharges into the existing ditch that wraps around the south and east limits of the property via a proposed rip-rap flow spreader. The existing ditch is vegetated, which acts as vegetated filter strip which will provide a tertiary opportunity for sediment capture and deposition before discharging into the Credit River.
4. The CVC Erosion Control Criteria requires that 5mm of on-site retention be provided. The proposed infiltration chambers are sized to provide a retention volume greater than the required volume per CVC criteria.
5. The entire development, including pervious areas and proposed infiltration facilities achieves a net increase in overall infiltration, effectively exceeding pre-development conditions.
6. No at grade surface parking proposed on site. All parking spaces are in enclosed below grade parking garage. This reduces oil and grits and sediment transport into the surface drainage system and environment.

Sincerely,

A handwritten signature in black ink, appearing to be 'M George', written over a white background.

Miranda George, OAA
Caricari Lee Architects Inc.