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February 13, 2012
10-10021

Sean Moore, MCIP, RPP
Planning & Growth Management Department
Infrastructure Services & Community Sustainability
City of Ottawa
100 Laurier Avenue West, 4th Floor
Ottawa, Ontario
K1P 1J1

Dear Mr. Moore,

Re: Servicing Brief
Costco Kanata – Proposed New Gas Bar

The existing Costco Kanata warehouse store property is serviced through an on-site storm sewer system. Storm runoff is collected by catchbasins within the parking lot and conveyed to the on-site storm sewer system. Storm runoff from the roof of the warehouse store is conveyed via rain leaders to the surface and then collected by catchbasins within the parking lot.

All stormwater storm sewer flows are conveyed to a stormwater management pond which is located at the northern end of the property. This stormwater management pond provides both quality and quantity control. The stormwater management pond outflows through a storm sewer pipe to the existing storm sewer within Silver Seven Road.

The proposed works for the Costco Kanata warehouse store property related to the construction of the new gas station retains the vast majority of the existing on-site storm sewer system. The only significant changes occur downstream of existing CBMH3, which is the first storm manhole located upstream of the existing stormwater management pond. With the proposed gas station being installed in the location of the existing stormwater management pond, the quantity and quality controlling features of the stormwater management pond have been replicated using other means on the site. The quantity control provided by the existing stormwater management

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pond has been replaced by an underground storage tank. The quality control provided by the existing stormwater management pond has been replaced with the installation of two Stormceptors (STC6000 and EOS300i).

Stormwater runoff from the existing site storm sewer system is directed through a Stormceptor unit before being conveyed to the underground storage tank. Stormwater that has accumulated within the underground storage tank is then pumped out to a proposed storm outlet pipe, which ultimately conveys the flows to the existing storm sewer within Silver Seven Road.

Storm runoff from the proposed gas station site also passes through a Stormceptor and the underground storage tank before leaving the site. An additional oil grit separator will be installed near the fueling area to protect the storm sewer system from any possible fuel spills.

Yours very truly,
MMM GROUP LIMITED

A handwritten signature in blue ink, appearing to read 'Sean McKoy', with a long, sweeping underline.

Sean McKoy, P.Eng.
Municipal Engineer

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