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Dana Suddaby, RPP, Planner
Municipality of Port Hope
845 ON-401
Port Hope, ON L1A 3W3

Project Name: ONroute Port Hope Parking Expansion
Project Number: BRM-22021342-E1
Subject: Stormwater Management Review

Dear Reviewer:

We have been retained by ONroute to provide Civil Engineering services in support of their proposed expansion of the existing Port Hope Service Center, ONroute Port Hope, located at 845 Highway 401. As part of our engineering services, we are issuing this letter as a review of the stormwater management of the subject site. This document is to be read in conjunction with:

- Site Grading Plan prepared by EXP (dated May 2026),
- Site Servicing Plan prepared by EXP (dated May 2026),
- Post Development Drainage Plan prepared by EXP (dated May 2026),
- Stormwater Management Report prepared by MHL (dated July 2018), and
- Post Development Drainage Figure prepared by MHL (dated July 2018).

The subject site is an existing Service Center located at 845 Highway 401. The total area of the subject site is approximately 14.30 ha. The site comprises of a building with restaurants and facilities, a gas station with convenience store, a Starbucks, parking area, picnic area, and landscaped area.

The proposed development is a parking lot expansion within the picnic area, to the west of the existing service center, to accommodate additional public parking. The picnic area is currently landscaped with asphalt access roads. The additional parking lot area will be a total of 0.59 ha, of which 0.2 ha is currently gravel and asphalt surface. The proposed asphalt area will be 0.49 ha. The imperviousness for the subject site will increase by 2.0%. Therefore, the increase in overall imperviousness of the subject site is insignificant.

In the existing conditions, the overall site drainage is split into three (3) catchment areas. Storm drainage from the east is collected by catchbasin maintenance holes and conveyed via pipes and ditches to the enhanced grass swale. A portion of the west storm drainage is collected by catchbasins and catchbasin maintenance holes and conveyed via pipes, ditches, and culverts to the stormwater management pond. The remaining portion of the drainage flowing west is uncontrolled landscape area with gravel areas and asphalt access roads. The proposed development area is within the uncontrolled drainage area. The area does not contain any existing storm network infrastructure. Based on the existing topography, there are no external areas draining to the subject property. Refer to the Post Development Drainage Figure prepared by MHL (dated July 2018) and the Predevelopment Drainage Plan prepared by EXP (dated June 2026).

In the proposed conditions, the storm drainage from the additional parking area will sheet flow towards the west. Curb cuts are proposed to capture drainage from the proposed parking areas to allow for drainage to ultimately flow west. The overall existing grades will be maintained and the runoff from the newly paved areas will follow existing drainage patterns.

To summarize, there will be an insignificant increase in the imperviousness of the site to accommodate the parking expansion. The existing drainage patterns of the internal storm drainage system will be maintained, and no additional flows will be directed to the storm sewer systems. Therefore, the parking lot expansion will not impact the stormwater management of the subject site.

Best Regards,
exp Services Inc.



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