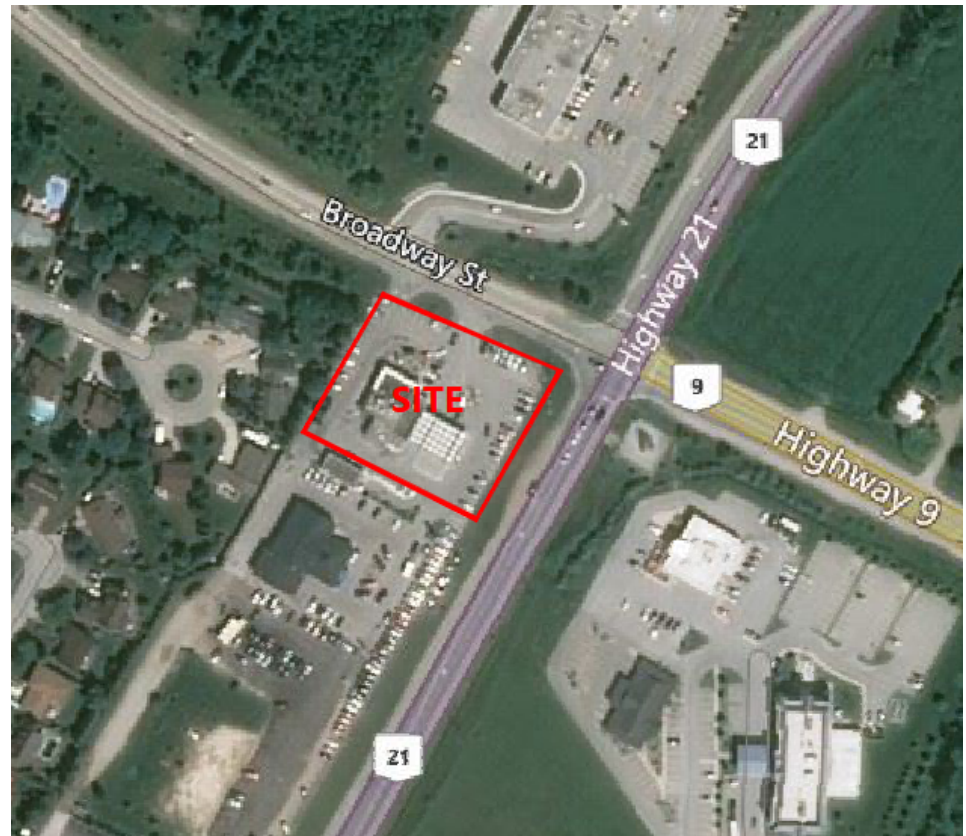


STORMWATER MANAGEMENT BRIEF

In support of Site Plan Approval



792 BROADWAY STREET
KINCARDINE, ONTARIO

KWA Project No. 22744

This report reflects best engineering judgment based on the material available at the time of its preparation. KWA Site Development Consulting Inc. accepts no responsibility for any damages to a third party that may arise as a result of decisions made or actions taken based on this report.

September 7th, 2022

1.0 INTRODUCTION

KWA Site Development Consulting Inc. ("KWA") has been engaged to prepare this Stormwater Management Brief in support of Site Plan Approval ("SPA") application for the redesign of the McDonald's drive thru located at 792 Broadway Street in the Municipality of Kincardine, Ontario. This report has been prepared to identify the stormwater design for the proposed construction works.

2.0 SITE DESCRIPTION

The Site is bounded by Broadway Street to the north, Ridgeview Road to the north, Highway 21 to the east, commercial properties to the south and residential lands to the west. The subject property is currently occupied by a McDonald's fast-food restaurant and Canadian Tire Gas Bar. The Site is 0.96 hectares (ha); however, the limit of construction is only 0.14 ha for this site.

The proposed construction works will include removal of existing curb / island and installation of new curb / islands with associated parking. Note, there will be no grading works completed on site; the construction works will only consist of cutting existing asphalt and installing barrier curbs to create a drive aisle for the drive thru. The proposed works will improve the functionality and operation of this site; this will eliminate vehicles from backing up on Broadway Street as the proposed design has increased the que by 8 stalls for a total of 15 stalls, improving any traffic concerns. Refer to the **Site Plan** (SP-001) attached.

3.0 STORMWATER MANAGEMENT

3.1 EXISTING CONDITIONS

The Site currently drains to three catch basins within the site limits. See **Grading & Removals Plan** (GRP-01) for catchbasin locations. The entire site is paved with a maximum slope of 5.5% and a minimum slope of 0.7%.

3.2 PROPOSED CONDITIONS

The proposed drainage will remain unchanged from the existing conditions. The face of the proposed barrier curb will be installed to match existing grade. The curb / islands have been designed such that there are gaps spaces that will maintain the existing drainage patterns.

4.0 CONCLUSION

The overall drainage of the site will not be affected by the new construction and therefore, no further stormwater management is required.

We trust that this information is adequate to support the approval of this project. If you have any questions, please do not hesitate to call.

Yours very truly,
KWA Site Development Consulting Inc.

A handwritten signature in black ink, appearing to read "D. Hoover", is written over a horizontal line.

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