

LSRCA Engineering Submission Acknowledgement

I, Name: Brad Harkins, Credentials: B.Eng (i.e. P.Eng., C.E.T.), confirm that I am a professional familiar with applicable documents, guidelines and criteria pertaining to stormwater management, erosion / sediment controls and natural hazards in the province of Ontario and that the submission entitled Report Name: Functional Servicing and Stormwater Management Report
Green Lane East - NewRoads Automotive (Site 1), with associated drawings Drawings: Site Grading Plan, Site Servicing Plan, has been reviewed by me and addresses the key components in the checklist included below.

I acknowledge that engineering sign-off or sign-off from another discipline pertaining to this submission or a portion of this submission does not constitute a permit from LSRCA. A permit will be required for all works within an LSRCA Regulated Area in accordance with Ontario Regulation 179/06 and additional information may be required as part of the permit process.

I acknowledge that an incomplete submission will result in processing delays and may be returned or rejected at the discretion of the Municipality in consultation with the LSRCA and/or additional information may be requested.

Signature:  Printed Name: Brad Harkins

Name of Consulting Firm: GEI Consultants Inc.

Date: 10/28/2024 (mm/dd/yy)

LSRCA Engineering Submission Checklist

The following checklist refers to the requirements when submitting a detailed stormwater management submission. These same requirements apply to functional servicing reports (FSRs) as well, with the exception of the detailed design drawings. The FSR needs to provide sufficient detail to demonstrate the proposed development concept will be capable of meeting the stormwater management requirements at the detailed design stage.

For items that have been included in the submission, please fill in the report section and report page along with appendix location or drawings pertaining to each item in the checklist below.

For items not included, check “No” or “N/A (Not Applicable)” for each item in the checklist below. If “No” or “N/A” are checked, please provide an explanation of why the criteria do not apply in a particular instance and note that the submission may be deemed incomplete and that additional consultation with LSRCA will likely be required prior to submission acceptance. The sections noted in this check list refer to those contained within the **LSRCA Technical Guidelines for Stormwater Management Submissions**:

| Yes | | | No | N/A | Item | Comment |
|----------------|-------------|-------------------|----|-----|--|---------|
| Report Section | Report Page | Drawing/ Appendix | | | | |
| | | | | | Pre-submission consultation with LSRCA has been completed as per Section 2.1.1. | No |
| | | | | | The SWM report has been prepared as per Section 2.1.6 as a standalone document (i.e. all references, calculations and modelling are included within the document or a referenced appendix). | Yes |
| | | | | | A Digital Copy of all reports and all drawings has been submitted for LSRCA review via a digital submission link. | Yes |
| Section 4.3.1 | 8-9 | Appx. B | | | Stormwater Quantity Peak Flow Control as per Section 3.2.1. | |
| Section 4.3.3 | 9-10 | Appx. B | | | Stormwater Quantity Volume Control as per Section 3.2.4. | |
| Section 4.3.1 | 8-9 | Appx. B | | | Safe conveyance of stormwater to a sufficient outlet as per Sections 3.2.2 / 3.2.3. | |
| Section 4.3.2 | 9 | Appx. B | | | Stormwater Quality Control (80% TSS removal/Enhanced Level Treatment/Level 1 Treatment) as per Section 3.3.1. | |
| Section 4.3.4 | 10 | Appx. B | | | Stormwater Quality Control (Phosphorus Removal) as per Section 3.3.2 and as outlined in the Lake Simcoe Protection Plan. | |
| | | | | N/A | Stormwater Quality Control (Other Pollutants) as per Sections 3.3.3 – 3.3.7 | |
| | | | | N/A | Stream Erosion Control as per Section 3.4. | |
| Section 4.3.3 | 9-10 | Appx. B | | | A Water Balance / Groundwater analysis as per Section 4.0. | |
| Section 4.3.4 | 10 | Appx. B | | | The Lake Simcoe Phosphorus Offsetting Policy (LSPOP) including a Phosphorous Budget completed for the site using the MOE PTool or STEP's LID TTT as per Section 3.3.2 | |

| Yes | | | No | N/A | Item | Comment |
|----------------|-------------|-------------------|----|-----|--|---------|
| Report Section | Report Page | Drawing/ Appendix | | | | |
| | | | | N/A | Natural Hazards including floodplain (hydraulics, hydrology, mapping and cut / fill balance if applicable.) | |
| Section 4.3.1 | 8-9 | Appx. B | | | SWM Modelling (hydrology and hydraulics) including digital files and all supporting SWM calculations . | |
| Section 8 | 16 | | | | Erosion and Sediment Control as per Section 5.0. (Drawings to be provided at the detailed design stage) | |
| | | | | | The general requirements, as per Appendix A of the LSRCA Technical Guidelines for SWM Submissions. Please note that this Appendix is not an exhaustive list and that additional site-specific requirements may apply. | Yes |

Submission/Resubmission Requirements:

7. A completed response matrix which includes a detailed response outlining how each of the comments above have been addressed with reference to applicable reports/drawings (i.e. specific sections/pages/details or tab identifiers).
8. The response matrix is to also include a summary of any additional changes to the design (i.e. in addition to those not identified in the detailed response to comments, and includes changes to reports, drawings, details, facility design, etc.).
9. Reports and engineering drawings/details are to be signed and sealed by a Professional Engineer.
10. Reports are to include a digital copy of applicable models within the submission link or on a Data CD or USB Thumb Drive.
11. All submissions/reports are to include applicable technical components which achieve the minimum requirements outlined in the LSRCA Technical Guidelines for Stormwater Management Submissions, March 2022.