

**2023 Annual Performance Report
Municipal Stormwater Management System
Environmental Compliance Approval Number 101-S701
Schedule E Section 5.2 Report**



For the period of
January 1, 2023 to December 31, 2023

Prepared for the Corporation of the Town of Grand Valley by R.J. Burnside & Associates Limited



Town of
**GRAND
VALLEY**



BURNSIDE

2023 Annual Performance Report
For an Authorized Municipal Stormwater Management System
CLI-ECA No. 101-S701 Schedule E Section 5.2 Report
Town of Grand Valley

This annual report was prepared in accordance with the requirements of the Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) No. 101-S701 for a Municipal Stormwater Management System issued for the Town of Grand Valley for the period from January 1, 2023 to December 31, 2023. The CLI-ECA for the Town of Grand Valley was issued by the Ministry of the Environment, Climate Change and Parks (MECP) on December 22, 2022.

The first set of inspections under this CLI-ECA were undertaken at the beginning of November 2023. Corrective actions based on the inspections are expected to be completed in 2024 and will be reported on in the 2024 annual report.

This report meets the requirements of Sections 5.2 and 5.3 of the CLI-ECA which are repeated in bold text below, with the annual report content following each bold text entry:

Submit the Annual Report to the MECP Director on or before April 30th of each year (Section 5.2.1):

This annual report for the year 2023 is submitted prior to April 30, 2024.

Include a summary and interpretation of all monitoring data with an overview of the condition and operational performance of the Authorized System and any Adverse Effects on the Natural Environment (Section 5.2.2):

This is a future requirement. A Monitoring Plan which may produce data for evaluating the system performance, has yet to be developed under the requirements of the CLI-ECA.

Include a summary and interpretation of environmental trends based on all monitoring information and data for the previous five (5) years (Section 5.2.3):

This is a future requirement. An evaluation of environmental trends related to the Authorized System will be prepared in future annual reports once five years of data is compiled after a Monitoring Plan is developed.

Include a summary of any operating problems encountered and corrective actions taken (Section 5.2.4), and

Include a summary all inspections, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Authorized System (Clause 5.2.5):

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Stormwater Management (SWM) Facility and ID No.	Summary of Issues	Summary of Corrective Action
Mount Haven (3885)	<p><u>Operational Issues:</u></p> <ul style="list-style-type: none"> • Sediment accumulation, overgrown vegetation and erosion at pond inlet pipe • Condition of rip rap erosion protection at pond inlet to be determined • Access road in an easement from the street is not defined • Pond forebay and wetland cell were dry <p><u>Structure Inspection Issues:</u></p> <ul style="list-style-type: none"> • No warning sign in place • No guard located on top of headwalls • Potential obstruction of pond outlet pipe or drain pipe • Grating not in place on pond outlet pipe or drain pipe • Orifice plate is missing in outlet control MH • Broken valve box on pond drain valve • Unknown condition of drain valve located in control MH • At the sag location on Mt. Haven Road, the grates on 3-DICB's are missing grate retainer clips 	Inspections were completed in the fall of 2023. Corrective actions are expected in 2024.
WWTP (5278)	<p><u>Operational Issues:</u></p> <ul style="list-style-type: none"> • Pond bottom heavily overgrown with cattails and reeds preventing inspection of pond bottom • Water level could not be measured in the pond due to vegetation growth • Access to perforated outlet pipe blocked with vegetation <p><u>Structure Inspection Issues:</u></p> <ul style="list-style-type: none"> • Orifice plate in control MH is out of place • Drain valve is open with flow passing through the valve 	Inspections were completed in the fall of 2023. Corrective actions are expected in 2024.

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Stormwater Management (SWM) Facility and ID No.	Summary of Issues	Summary of Corrective Action
Taylor Drive (8316)	<p><u>Operational Issues:</u></p> <ul style="list-style-type: none"> • Excessive woody growth and reeds at and above water level • Phragmites invasive plants at water level and on slopes • Outlet structure partially blocked with vegetation reducing outflow • Some algae growth • Scour hole, erosion and sedimentation at pond inlet headwall and inlet to forebay • Displaced rip rap at pond inlet headwall <p><u>Structure Inspection Issues:</u></p> <ul style="list-style-type: none"> • Minor leakage of outlet structure • Minor corrosion of orifice plate • Unknown condition of 2 drain valves in maintenance MH • Railing at headwall to be upgraded to guards 	Inspections were completed in the fall of 2023. Corrective actions are expected in 2024.
Mayberry Drive (8317)	<p><u>Operational Issues:</u></p> <ul style="list-style-type: none"> • Ducks present in permanent pool area • Outlet structures including grating substantially blocked with vegetation, filter cloth and clear stone reducing outflow • Significant algae growth • Permanent pool level lower than expected • Minor amounts of debris within pond block • Scour hole, erosion and sedimentation at west pond inlet headwall and inlet to forebay • Displaced rip rap at west pond inlet headwall • At west inlet headwall, grade is too low behind the headwall/wingwalls and should be raised to the level of top of wall • Displaced rip rap at east pond inlet headwall • Condition of trees around and in pond block to be reviewed. <p><u>Structure Inspection Issues:</u></p> <ul style="list-style-type: none"> • Unknown condition of drain valve located in the maintenance MH • Minor crack in headwall above top of storm sewer at east inlet headwall • Railing at headwalls to be upgraded to guards 	Inspections were completed in the fall of 2023. Corrective actions are expected in 2024.

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Stormwater Management (SWM) Facility and ID No.	Summary of Issues	Summary of Corrective Action
Ritchie Drive (8318)	<u>Operational Issues:</u> <ul style="list-style-type: none"> • Minor debris located near pond outlet structure. • Settlement around DICB outlet structure • Excessive vegetation blocking south pond inlet headwall. Condition of rip rap unknown. • Soft spots in bottom of dry pond • Planted trees continue to have tree ties connected to support stakes <u>Structure Inspection Issues:</u> <ul style="list-style-type: none"> • No warning sign present 	Inspections were completed in the fall of 2023. Corrective actions are expected in 2024.
Jenkins Street (8350)	<u>Operational Issues:</u> <ul style="list-style-type: none"> • Winter sand obstructing overflow weir and outfall swale • Invasive phragmites vegetation in dry storage area • Low flow channel is not defined or has accumulated sediment • Bottom of pond is soft and saturated <u>Structure Inspection Issues:</u> <ul style="list-style-type: none"> • No warning sign present 	Inspections were completed in the fall of 2023. Corrective actions are expected in 2024.
Stormwater Outfall	Summary of Operational and Inspection Issues	Summary of Corrective Action
Outfalls to receivers as noted on Maps identified in Table B1 of the CLI-ECA	Not inspected in 2023.	No maintenance/repair work completed in 2023.
Stormwater Collection System	Summary of Operational and Inspection Issues	Summary of Corrective Action
Sewer system (pipes & structures) as noted on Maps identified in Table B1 of the CLI-ECA	No CCTV work or formal inspection in 2023.	Sediment removed from all catchbasins between May 22-26, 2023
Melody Lane Oil-Grit Separator (OGS1)	No formal inspection. Sump observed during sediment removal.	Sediment removed between May 22-26, 2023
Monty Avenue Oil-Grit Separator (OGS2)	No formal inspection. Sump observed during sediment removal.	Sediment removed between May 22-26, 2023

Include a summary of the calibration and maintenance carried out on all monitoring equipment (Clause 5.2.6):

There is no monitoring equipment presently installed in the Authorized System.

Include a summary of any complaints related to the Sewage Works Received during the reporting period and any steps taken to address the complaints (Clause 5.2.7):

Complaint Description	Action Taken
Town staff report no complaints were received	N/A

Include a summary of all Alterations to the Authorized System within the reporting period that are authorized by this Approval including a list of Alterations that pose a Significant Drinking Water Threat (Clause 5.2.8):

Summary of Alteration to the Authorized System	Does Alteration pose a Significant Drinking Water Threat (Yes/No)
Mayberry Phase 3B Subdivision: Storm Sewers, OGSs, and Stormwater Management Facilities	No
152 Main Street North: Storm Sewers, OGS, Superpipe	No

Include a summary of all spills or abnormal discharge events (Clause 5.2.9):

Report Date	Summary of Spill or Discharge Event
Town staff report no spills or abnormal events were observed or reported	N/A

Include a summary of actions taken, including timelines, to improve or correct the performance of any aspect of the Authorized System (Clause 5.2.10):

Actions Taken to Improve/Correct System Performance	Timeline of Actions
N/A	N/A

Include a summary of the status of actions for the previous reporting year (Clause 5.2.11):

Actions Recommended from 2022 Reporting Year	Status
N/A – This is the first Annual Performance Report	

Make this Annual Report available, on request and without charge, to members of the public who are served by the Authorized System (Clause 5.3.1):

This Annual Report is available to members of the public who are served by the Authorized System by contacting the Municipal Office or by accessing the Municipal website.

Make this Annual Report available, by June 1st of the same reporting year, to members of the public without charge by publishing the report on the Internet if the Owner maintains a website on the Internet (Clause 5.3.2):

This Annual Report will be made available to members of the public by June 1, 2024, by accessing the Municipal website:

<https://www.townofgrandvalley.ca/en/our-services/water-and-waste-water.aspx>