

**CITY OF EAST LANSING  
STORM WATER MANAGEMENT PROGRAM**

**IMPLEMENTATION PROGRAM  
FOR COMPLYING WITH THE  
NPDES PERMIT REQUIREMENTS**

**9. POST-CONSTRUCTION STORM  
WATER RUNOFF PROGRAM**

**UPDATED JANUARY 2020**

## INTRODUCTION

### Overview:

This section of the “Implementation Plan” is intended to serve as the primary guidance document for the Post-Construction Control portion of the Storm Water Management Program. This section was originally developed to provide a general overview of the requirements outlined in the City of East Lansing’s NPDES Permit No.MI0059327 which became effective June 2015. The Implementation Plan was subsequently reviewed and updated to reflect any changes to the new NPDES Permit which becomes effective February 1, 2020.

In particular, this section addresses Part I, Section A. 3. f “Post Construction Storm Water Runoff Program” which states *“The permittee shall implement and enforce the program to address post-construction storm water runoff from new development and redevelopment projects that disturb one (1) or more acres, including projects less than one (1) acre that are part of a larger common plan of development or sale, and that discharge into the permittee’s MS4. The permittee shall implement and enforce the post-construction storm water control program as part of the SWMP, to the maximum extent practicable and in accordance with the approved ordinance or regulatory mechanism.”*

### 2015 Original Implementation Plan:

The GLRC established a technical committee to develop a template entitled “Post-Construction Stormwater Management Guidance Manual” to address the requirements for post-construction runoff control. The City was very active in the development of the template. The City then subsequently modified the manual to address the specific conditions that exist within the City of East Lansing.

Per the requirements of the 2015 NPDES Permit, the City Council formally adopted the Post-Construction Stormwater Ordinance and related guidance manuals on February 16, 2016. The documents were then submitted to MDEQ on March 1, 2016.

### 2017 Updated Implementation Plan:

No significant changes to the ordinance or related guidance documents have been made since the issuance of the 2015 NPDES Permit.

### 2020 Updated Implementation Plan:

The 2020 NPDES Permit did not modify any of the Post-Construction Storm Water Runoff Program requirements or result in any changes to the previous Implementation Plan.

## Post-Construction Storm Water Guidance Manual:

The City of East Lansing’s “Post-Construction Storm Water Guidance Manual” was divided into three Chapters. Chapter I is the City of East Lansing’s “Post-Construction Stormwater Management Ordinance” which provides the regulatory and legal foundation for administering and enforcing all other elements of the post-construction portion of the storm water management program. The ordinance was based on the model ordinance included in the GLRC template and the model ordinance originally developed as part of the “Low Impact Development Manual for Michigan”.

The ordinance provides the regulatory structure necessary for establishing, implementing and enforcing the requirements of the City of East Lansing’s Post-Construction Stormwater Management Program in accordance with the MDEQ’s NPDES Permit requirements. The ordinance also addresses the specific water quantity and water quality limits stipulated in the NPDES Permit.

The ordinance defers many of the specific policies and procedures as well as the design details to Chapter II- Stormwater Policy & Procedures Manual and Chapter III- Stormwater Design Manual. In all cases the Ordinance takes precedence over the information found in Chapters II and III.

Overall, the goal of Chapters II and III is to provide the guidelines and technical tools necessary to meet the requirements of the Ordinance; to promote uniformity, consistency and efficiency throughout the permit and enforcement process; and to ensure that developers adhere to the minimum standards set forth in the Ordinance for impacting watersheds throughout the City of East Lansing.

Chapter II of this document is the City of East Lansing “Stormwater Policy & Procedures Manual”. The policy and procedures section outlines administrative documents and procedures for the stormwater plan review as part of the City’s site plan review process, inspection of BMPs during construction, and maintenance process to ensure continued effectiveness after construction. Chapter II was adopted as a “policy” and subsequent changes or modifications will be administered as a City Policy and not as an Ordinance.

Chapter III of this document is the City of East Lansing “Stormwater Design Manual”. The design section contains the detailed standards and guidance needed by designers and plan reviewers to select, design, review, and approve both structural and nonstructural stormwater BMPs at development and redevelopment sites. Chapter III was adopted as a “policy” and subsequent changes or modifications will be administered as a City Policy and not as an Ordinance.

The overall stormwater philosophy adhered to in these documents is based on the concept that it is always assumed that the first step in stormwater management is to reduce the amount of runoff occurring by soaking in as much precipitation as possible where it falls. Because full runoff

reduction is usually not possible, the manuals demonstrate ways to reduce exposing polluting materials to runoff by keeping our land surfaces clean. When polluting materials cannot be kept out of runoff, a mix of simple to complex BMPs are presented to reduce the amount of pollution that gets to our state's receiving waters.

The Design Manual is intended to be flexible, easily updated and responsive to the needs of the stormwater community. Many of the concepts presented in the manual are intended to be flexible guidance for users rather than stringent rules. Each stormwater problem is different, so solutions will need to be customized to address the variations. This manual provides the tools, but the user must provide the ingenuity.

#### Implementation & Tracking:

The following documents have been developed to help measure and ensure compliance with the IDEP requirements of the NPDES Permit:

- A checklist encompassing the various aspects and requirements of the Post-Construction Storm Water Control has been developed for use on an annual basis.
- A Summary of Post-Construction Stormwater Violations Issued Violation form was developed for tracking noncompliance to ensure adherence to the Post-Construction requirements during development and into the future.