

# Post-Construction Stormwater Management Plan Application

Submittal  New  Resubmittal Date \_\_\_\_\_  
 Review ID if resubmittal \_\_\_\_\_

## Project Information

Name \_\_\_\_\_  
 Description \_\_\_\_\_  
 Address \_\_\_\_\_  
 Parcel ID \_\_\_\_\_

## Owner/Developer Information

Company \_\_\_\_\_  
 Last Name \_\_\_\_\_ First Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Email \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

## Professional Engineer / Landscape Architect Information

Company \_\_\_\_\_  
 Last Name \_\_\_\_\_ First Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Email \_\_\_\_\_

**Discharge Location:** *Select the type of sewer system the development site discharges to*

- Combined sewer system
- Separate storm sewer system (MS4)
- Privately-owned direct discharge to the Rouge or Detroit Rivers

### Compliance Method

*Check all that apply*

- Onsite
- Offsite mitigation (*preapproval required*)
- Onsite mitigation (*preapproval required*)
- Fee In-lieu (*preapproval required*)
- Other (*please explain in the submittal*)

### Alternative Compliance Preapproved for

*Check all that apply*

- Water quality
- Infrastructure / channel protection
- Flood control
- Other

*Submit a copy of the approved Alternative Compliance approach*

## Post-Construction Stormwater Management Plan Checklist

### Projects with Approved Alternative Compliance

- Copy of approved alternative compliance request
- Submit a PCSWMP for the development site

### Project with approved offsite mitigation

- Submit a PCSWMP for the offsite location
- Signed agreement to install offsite mitigation project within two years from the date the stormwater management design plan is approved, or prior to full completion of the development project related to the offsite mitigation, whichever is earlier.
- Signed maintenance agreement if property is not owned by applicant

### PCSWMP Documents

#### Cover

- Project Name
- Property Owner
- Development site address
- Submission Date
- Company or professional responsible for design of the stormwater management
- Designer's original seal, signature and date
- Total area of impervious surfaces created or replaced
- Copy of this checklist

#### Project Description

- Brief project description including:
- Area of Development Site
- Total area of Construction Activity (acres) and Regulated Area (acres)
- Receiving sewer system(s)
- Applicable stormwater management performance standards

#### Compliance with Performance Standards

- Design methodology including all required input/output parameters and sources of information used
- Volumes and rates of stormwater generated by development site for applicable design storms, depths/distributions, etc. for both natural condition and post-construction scenarios
- Table of volumes/rates of stormwater managed at each SCM
- All necessary certifications and calculations demonstrating compliance for any proprietary systems or products used

#### Operation and Maintenance Plan

- All maintenance requirements and schedules for each SCM
- Procedures or checklists to be used during inspections

- Signed copy of certification statement accepting responsibility for the operation, maintenance and inspection of the SCMs
- Designer's original seal, signature and date

## Attachments

- All pre-development and post-development calculations or modeling, including storage, routing, input parameters, hydrograph summaries, and pipe capacity calculations
- Infiltration test results or geotechnical report with all requirements from Chapter 6
- Environmental site assessment, if available
- A copy of all applicable state and federal permits related to erosion, water resource and stormwater management for the Regulated Project
- Certification that Applicant has met or will meet, in addition to the requirements of this Division, all other city, county, state, and federal requirements related to erosion control and sediment prevention, surface water resource protection, and stormwater management applicable to the Regulated Construction Activity.

## Plan Sheets Showing

- Boundaries
  - Development Site boundaries
  - Common plan of development boundaries (if applicable)
  - All delineated Regulated Areas
  - Any no-build or non-disturbance area boundaries
  - All existing easements or other encumbrances boundaries
  - Location of any required buffers
  - Boundary of 100-year floodplain and regulated wetlands (where applicable)
  - All points of egress from the Development Site to a public right-of-way
  - The locations and descriptions of all access drive easements necessary to allow for construction, inspection, operation and maintenance of all proposed SCMs
- Surface Features
  - Created or replaced impervious cover
  - Existing and proposed topography (minimum of 2-foot contours, 1-foot contours recommended)
  - Locations of all existing surface water features, including streams, ditches, swales, ponds, and wetlands
  - Locations of geotechnical investigations
- Stormwater Management Features
  - Location, numbering and size of all conveyance and SCMs
  - Identification and location of all proposed and existing stormwater conveyance and storage features. Label features to match all other documentation. Include dimensions, size, type, material and other pertinent information necessary to construct and understand the design intent.
  - Details and sections of SCMs with pertinent elevations labeled
  - Details of all proposed structures, including inlets, outlets, manholes, flow control devices, etc.

- Details and profile of all stormwater conveyance systems including pipe networks, swales and drains
- Planting plans for all vegetated stormwater features
- Location of all existing and proposed roof drains and yard drains, including their connection points to sewers or to SCMs
- Post-development stormwater flow direction arrows, drainage areas, and discharge points from the site including type of discharge. Tributary drainage areas shall be shown to key stormwater features and labeled to match all other documentation.
- Spot elevations at all inlets, outlets, manhole inverts & sumps, manhole rims, orifices, weirs, or other control devices, risers, emergency spillways, top of slope and bottom of practice

### Drainage Fee Credit Calculations

- Preliminary calculations on proposed Stormwater Control Measures necessary to obtain a drainage charge credit using the City of Detroit's Drainage Program Guide (hyperlinks below):

[A Guide to Credit Application Process and Renewals \(hyperlink\) City of](#)

[Detroit Drainage Charge Credit Calculator \(hyperlink\)](#)