Chapter 12 – Stormwater Management Plan

Introduction

A Stormwater Management Plan documents how the proposed stormwater management measures meet the stormwater management standards, performance criteria, and design guidelines contained in this Manual, as well as other local, state, and federal stormwater management requirements.

A Stormwater Management Plan is required as described in Chapter 4 - Stormwater Management Standards and Performance Criteria, a Stormwater Management Plan is required (Standard 5 – Stormwater Management Plan) for all new development, redevelopment, retrofits, and other land disturbance activities that require a local, state, or federal permit or approval. A Stormwater Management Plan is not required for retrofit projects that do not require review and approval, although designers are encouraged to document the design basis for all stormwater retrofits following good engineering/design practice. A Stormwater Management Plan should be prepared by the project proponent and designing qualified professional, as defined in the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and submitted for review by the local or state reviewing authority.

The chapter presents the recommended minimum content for a Stormwater Management Plan. Many municipalities and state agencies have stormwater management submission requirements as specified by municipal land use regulations and state permit programs. The recommended Stormwater Management Plan presented in this chapter is provided as guidance only and does not replace other local and state submission requirements. Municipalities or state agencies may adopt this or similar Stormwater Management Plan requirements into future updates of municipal land use regulations and state permit programs.

Plan Content

A Stormwater Management Plan should include the following major elements:

- Stormwater Management Report (narrative)
- Design Calculations
- Design Drawings (plans)
- Soil Erosion and Sediment Control Plan
- Operation and Maintenance Plan
- Other Supporting Documents
Appendix E contains a checklist that can be used in preparing or reviewing a Stormwater Management Plan.

**Stormwater Management Report**

The stormwater management report provides a written narrative of the project, including existing and proposed conditions, proposed stormwater management measures, and how the project meets the stormwater management standards and performance criteria contained in this Manual. The stormwater management report should include, but is not limited to, the following sections and information.

**General Information**

- Applicant’s name, address, contact information (email & phone)
- Licensed professional engineer’s name, address, contact information (email & phone)
- Street address of project site
- Site locus map
- Current use and zoning of property
- Proposed use of property

**Project Summary**

- Project description and purpose
- Project schedule and project phasing (if any)
- Applicable local, state, and federal regulatory permits, approvals, and associated regulatory requirements related to post-construction stormwater management
- Applicable regulatory authority(ies)

**Existing (Pre-Development) Conditions Description (As Applicable)**

- Site area, ground cover, vegetation, existing development features (roads, buildings, utilities, septic systems, etc.)
- Site topography (2-foot contours based on aerial or field survey), slopes, drainage patterns, drainage systems, drainage areas, and stormwater discharge locations
- Existing impervious area and existing Directly Connected Impervious Area (DCIA)
- On-site and adjacent waterbody information
  - Water quality classifications
  - Water quality impairments and Total Maximum Daily Loads (TMDLs)
- Site soils as identified by USDA NRCS mapping or soil scientist
  - Soil types
  - Hydrologic Soil Groups
- Soil evaluation results
  - Initial screening information

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74 The applicable waterbody information can be found at: [MS4 Map | CT NEMO Program (uconn.edu)](https://www.uconn.edu/ct-nemo-program/)