

# Purpose of the Manual

The Connecticut Stormwater Quality Manual (Manual) provides guidance on the measures necessary to protect the waters of Connecticut

from the adverse impacts of stormwater runoff. States like Connecticut, which are National Pollutant Discharge Elimination System (NPDES) authorized, are required to address stormwater pollution from three potential sources: construction activities, municipal separate storm sewer systems (MS4s), and industrial activities. While the NPDES permits are the driver for the requirements, this Manual provides guidance for operators of these sources to evaluate and select the best stormwater design options to meet the requirements in these various permits. The guidance provided in this Manual is applicable to post-construction stormwater controls for new development, redevelopment, and upgrades to existing development (i.e., retrofits).

The Manual emphasizes the use of source controls and pollution prevention, non-structural Low Impact Development (LID) site planning and design strategies, and structural stormwater Best Management Practices (BMPs). Related topics such as construction-phase soil erosion and sediment control and storm drainage system design are integral components of a comprehensive stormwater management strategy. These topics, which are included in the

## What's New in this Chapter?

- ❖ Summary of major revisions to the Manual and where to find information on future updates
- ❖ Updates to the organization and use of the Manual
- ❖ Updates to the applicability and regulatory basis of the Manual
- ❖ Updated descriptions of federal, state, and local regulatory stormwater programs as they relate to the Manual (moved to the Manual appendices)

## Connecticut Stormwater Quality Manual

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Manual as secondary considerations, are addressed in detail in other related state-wide design manuals. Specifically, construction-phase soil erosion and sediment control guidance is provided in the [Connecticut Guidelines for Soil Erosion and Sediment Control](#).

The Manual does not address agricultural<sup>1</sup> nonpoint source runoff. However, many of the LID and structural stormwater BMPs contained in this manual should be considered for existing and new agricultural uses, in addition to other agricultural conservation practices, to address water quality concerns.