

## Guiding Stormwater Management Principles

A comprehensive stormwater management strategy should prevent or mitigate stormwater runoff problems and protect beneficial uses of receiving waters in a cost-effective manner. The stormwater management measures described in this Manual are designed to accomplish this objective by adhering to the following guiding principles:

- Preserve pre-development site hydrology (i.e., runoff, infiltration, interception, evapotranspiration, groundwater recharge, and stream baseflow).
- Provide minimum average annual reductions in post-development pollutant loads for sediment, floatables, nutrients, and other pollutants.

## Connecticut Stormwater Quality Manual

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- Preserve and protect wetlands, stream buffers, natural drainage systems and other natural features that provide water quality and quantity benefits.
- Manage runoff velocity and volume in a manner that maintains or improves the physical and biological character of existing drainage systems and prevents increases in downstream flooding/streambank erosion.
- Prevent pollutants from entering receiving waters and wetlands in amounts that exceed the systems' natural ability to assimilate the pollutants and provide the desired functions.
- Seek multi-objective benefits (i.e., flood control, water quality, recreation, aesthetics, habitat) from stormwater control measures.