

New Jersey Stormwater Design: A Process Overview

Phase 1: Planning & Analysis

Establish Regulatory Framework & Site Layout



Map & Model Water Flow



Establish Regulatory Framework & Site Layout

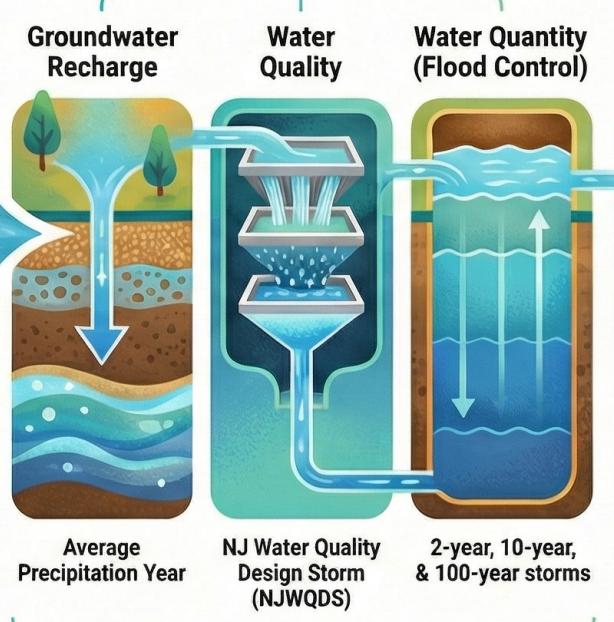
Determine all rules and apply low-impact development principles to the site plan.

Map & Model Water Flow

Identify discharge points, map catchment areas, and model pre- and post-development runoff.

Phase 2: BMP Design & System Verification

Size BMPs for 3 Key Requirements



Supporting Detail: Design systems to meet groundwater recharge, water quality, and flood control standards.

Engineer the Conveyance System



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Design the storm sewer pipe network using the design storm specified by local authorities.

Verify System for Extreme Events



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Conduct hydraulic modeling for emergency management using storms exceeding design standards (e.g., 500-year storm).