

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

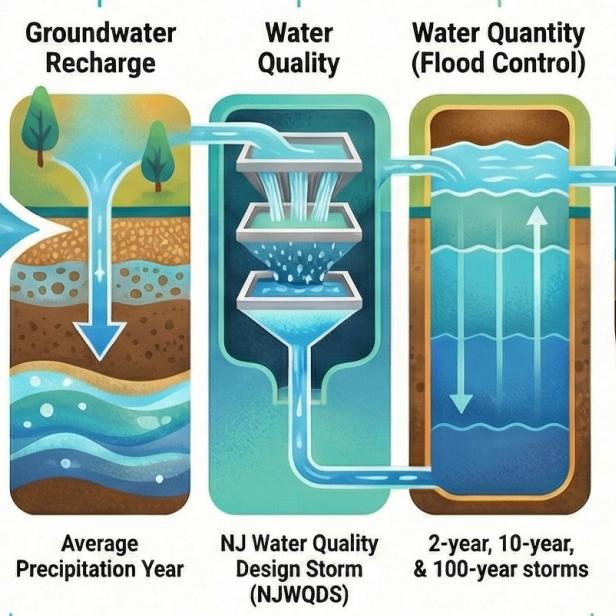
Determine all rules and apply low-impact development principles to the site plan.

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



Verify System for Extreme Events



Engineer the Conveyance System

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

Verify System for Extreme Events

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