



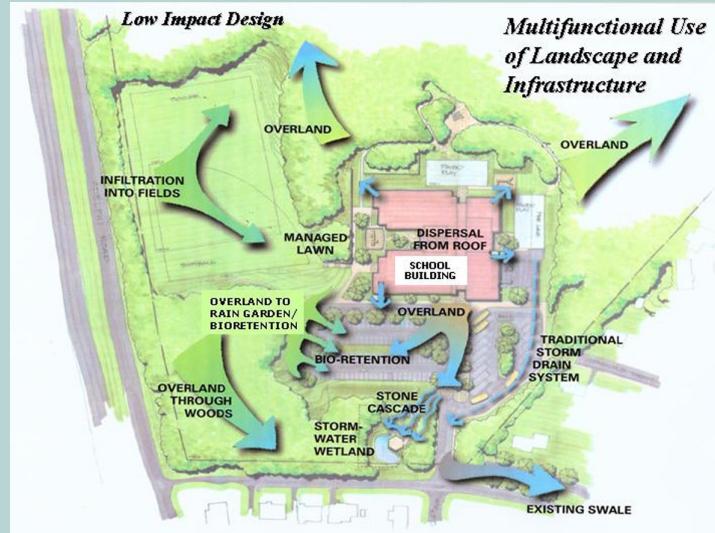
PINELANDS
PRESERVATION
ALLIANCE

STORMWATER CONTROL

Going Above and Beyond the Minimum for Pinelands Municipalities

ATTENTION MUNICIPAL OFFICIALS: The New Jersey Stormwater Regulations and Best Management Practices Manual allow municipalities to REQUIRE low impact development strategies or green stormwater infrastructure. The Pinelands rules provide greater protections of surface waters, but do not include or require the practices identified below. See below for a variety of strategies to go above and beyond the minimum for stormwater control.

How Green Infrastructure Works



Stormwater runoff from developed land is polluted by pet waste, herbicides and pesticides, chemical fertilizer and other “people pollution.” Green infrastructure prevents this runoff pollution.

STORMWATER MANAGEMENT PRACTICES

EASY PICKINGS – Site Planning (Pre-Application Meeting)

- ✓ As a first step, sit down with the project owner/developer to discuss objectives and site features; look for ways to add things that soak up or conserve water
- ✓ Identify opportunities for cluster development, with smaller lots and more open space
- ✓ Reduce site fingerprint during construction
- ✓ Disconnect downspouts and impervious surfaces
- ✓ Replace curbing with vegetation and direct gutters to rain gardens
- ✓ Install meadows or protect wooded areas rather than creating turf areas

STRUCTURAL TECHNIQUES

- ✓ Require at least one LID technique such as a rain garden, wet pond, vegetated filter strip or swale, or porous pavement
- ✓ Bioretention basins in place of detention basins

STORMWATER MANAGEMENT PRACTICES

MANAGEMENT (Post Development/Retrofit) TECHNIQUES

- ✓ Green Streets - adopt a complete streets policy that includes "green streets" stormwater features, to encourage transforming impervious surfaces into permeable spaces that capture water, filter pollutants and support street trees and other vegetation.
- ✓ Detailed Operation and Maintenance Plan including schedules for inspection and maintenance
- ✓ Maintain healthy soils by reducing compaction
- ✓ Review municipal capital plan with an eye toward incorporating green infrastructure into to municipal road and park projects.



For example, Seattle Public Utilities estimates that a local street converted to the SEAStrip (Green Street) design saves \$100,000 per block (330 linear feet) compared to a traditional street design, while achieving the same level of porosity (35 percent impervious area). In addition to these avoided-cost savings, the program claims these designs have provided additional community benefits such as traffic calming, improved neighborhood aesthetic and bioremediation.¹

¹ Seattle Public Utilities. (2010) "Green Stormwater Infrastructure." Accessed 19 Aug 2010.

THE BENEFITS

Green Infrastructure Benefits Everyone!

- ✓ Manage stormwater at reduced costs
- ✓ Enhance public health and neighborhood liveability
- ✓ Increase community and property values
- ✓ Enhance pedestrian and bicycle access and safety
- ✓ Protect precious surface and groundwater resources for drinking water and agriculture
- ✓ Help meet regulatory requirements for pollutant reduction and watershed resource management

TO LEARN MORE

about how your municipality can implement low impact development technique into its ordinance and planning, contact Jaclyn Rhoads at Pinelands Preservation Alliance at 609.859.8860 jaclyn@pinelandsalliance.org.