



BERGER ENGINEERING AND SURVEYING

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POROUS PAVEMENT DESIGN

Berger Engineering and Surveying has been providing stormwater management design for new and existing sites for the past 20 years. Berger Engineering and Surveying can assist you in the design and installation of **porous pavement** as part of your stormwater management plan.

Porous Pavement will allow your project to meet the new stormwater reduction requirements of the NYSDEC Stormwater Management Design Manual August 2010 Section 5.3 Green Infrastructure Techniques; Part 5.3.11 Porous Pavement

"Permeable paving provides an alternative to conventional asphalt and concrete surfaces and are designed to convey rainfall through the surface into an underlying reservoir where it can infiltrate, thereby reducing stormwater runoff from a site. In addition, permeable paving reduces impacts of impervious cover by augmenting the recharge of groundwater through infiltration, and providing some pollutant uptake in the underlying soils. Due to the potential high risk of clogging the pavement voids and the underlying soils, permeable paving should be limited in its use and should require strict adherence to manufacturer's specifications for installation and maintenance." "Permeable paving is intended to capture, infiltrate and/or manage small frequent rainfall events (i.e., channel protection)."

FIGURE 1

Typical porous pavement cross section

