

# Pervious Solutions LLC

Consulting, Design, Installation, Inspection & Maintenance for Pervious Surfaces

Formally organized in 2005, Pervious Solutions LLC is an environmentally conscience paving firm, specializing in pervious surfaces. We consult with engineers, architects, landscape architects, contractors, developers, home owners, and regulatory agencies to help educate and build a more sustainable alternative to impervious ground coverage. Through planning, design, and use of permeable pavement systems, we are able to reduce the adverse impacts of developmental stormwater runoff.

A Permeable Pavement system is defined as an engineered hard surface which captures and temporarily retains stormwater runoff. The captured stormwater is then exfiltrated through an under-drain system, or allowed to infiltrate in to the sub-soil, thus recharging the water table. These systems including but are not limited to Pervious Concrete, Permeable Interlocking Concrete Pavers, Permeable Concrete Paver Systems, Concrete Grid Pavers, and Plastic Turf Reinforcing Grid.

Permeable pavements are a unique and effective means to address important environmental issues, and support sustainable growth. By capturing rainwater and allowing it to seep into the ground, permeable pavement is instrumental in recharging the groundwater aquifer, reducing stormwater runoff, and meeting the U.S. Environmental Protection Agency (EPA) stormwater regulations. In fact, the use of permeable pavement is among the Best Management Practices (BMPs) for the management of stormwater runoff recommended by the Environmental Protection Agency (EPA), and North Carolina Department of Environmental and Natural Resources (NCDENR). This pavement technology creates more efficient land use by eliminating the need for retention ponds, swales, and other stormwater management devices. In doing so, permeable pavement has the ability to lower an overall project costs, on a first-cost basis. Also, as commented on in the *Wall Street Journal* and *Smart Money* magazine, permeable paver systems offer a greater return on investment, by added value to a project through curb appeal.

Todd King, owner of Pervious Solutions LLC, has attained the accreditation of 'Craftsman' through the National Ready Mix Concrete Association (NRMCA), and Certified Installer through the Interlocking Concrete Pavement Institute (ICPI). We are active members of the USGBC, NRMCA, CRMCA and the Cape Fear Green Building Alliance (CFGBA). We are recognized in our industry as a professional organization who takes pride in the quality of our finished work.

Recently, Pervious Solutions LLC and Pirate Concrete have teamed together, to offer our clients a complete concrete service. This collaborative effort will allow our residential and commercial clients to take advantage of a 'One Stop Shop' for all of their concrete needs.

## **Areas of expertise:**

Pervious concrete -	Driveways, sidewalks and parking lots
Permeable pavers -	Driveways, walkways, patios, pool surrounds
Conventional pavers -	Driveways, walkways, patios, pool surrounds
Broom finished concrete -	Driveways, sidewalks, slabs and parking lots
Slick finished concrete -	House slabs, garage slabs and commercial buildings
Decorative concrete -	Stamping, precision grinding & cutting, coloration and sealing
Concrete removal -	Removal and recycling of existing concrete surfaces
Maintenance -	Inspection, maintenance & certifying pervious surfaces, resealing decorative concrete
Education -	On-site educational seminars/classes and quality control services for industry professionals

The following are links to the NCDENR website:

[h2o.enr.state.nc.us/su/documents/Ch18-Permpavement.pdf](http://h2o.enr.state.nc.us/su/documents/Ch18-Permpavement.pdf)

[h2o.enr.state.nc.us/su/documents/O\\_M\\_PermeablePavement\\_Rev3.doc](http://h2o.enr.state.nc.us/su/documents/O_M_PermeablePavement_Rev3.doc)

Pervious Solutions LLC is a distributor and certified installer of several types of pervious paving systems, including but not limited to:

Belgard = [www.belgard.biz/environmental-pavers.htm](http://www.belgard.biz/environmental-pavers.htm)

Turfstone: [www.belgard.biz/shapes-turfstone.htm](http://www.belgard.biz/shapes-turfstone.htm)

Subterra: [www.belgard.biz/docs/SubterraCS\\_REV12-23.pdf](http://www.belgard.biz/docs/SubterraCS_REV12-23.pdf)

Aqua-Bric: [www.belgard.biz/docs/AquaBricCS.pdf](http://www.belgard.biz/docs/AquaBricCS.pdf)

Eco-Stone: [www.belgard.biz/docs/Madera Community Case Study Eco-Stone.pdf](http://www.belgard.biz/docs/Madera Community Case Study Eco-Stone.pdf)

Low Country Pavers = [www.lcpaver.com/step\\_one/Pavers](http://www.lcpaver.com/step_one/Pavers)

Invisible Structures = [www.invisiblestructures.com/index.html](http://www.invisiblestructures.com/index.html)

GrassPave2: [www.invisiblestructures.com/grasspave2.html](http://www.invisiblestructures.com/grasspave2.html)

Cobble Systems = [www.cobblesystems.com](http://www.cobblesystems.com)

Products: [www.cobblesystems.com/product-details/product-styles-2/](http://www.cobblesystems.com/product-details/product-styles-2/)

Testing: [www.cobblesystems.com/ucf-permeability-testing/](http://www.cobblesystems.com/ucf-permeability-testing/)

EcoSystems Grout = [www.ecosystemsgROUT.com](http://www.ecosystemsgROUT.com)

Pervious Concrete = [www.pervious.info](http://www.pervious.info)

Basic info.: [www.perviouspavement.org/index.html](http://www.perviouspavement.org/index.html)

Maintenance: [www.perviouspavement.org/inspection\\_and\\_maintenance.htm](http://www.perviouspavement.org/inspection_and_maintenance.htm)

NRMCA list of Certified Pervious Concrete Craftsmen, Installers and Technicians:

[www.nrmca.org/Education/Certifications/Pervious\\_Contractor.htm](http://www.nrmca.org/Education/Certifications/Pervious_Contractor.htm)

Also, please visit the following links for Interlocking Concrete Paver Institute (ICPI) for more information regarding permeable pavers:

[www.icpi.org/node/352](http://www.icpi.org/node/352)

[www.icpi.org/permeablepavement](http://www.icpi.org/permeablepavement)

We invite you to explore our capabilities at [www.pervioussolutions.com](http://www.pervioussolutions.com), or to call one of our associates for information specific to your needs.

Best regards,

Todd



**Todd King**

PLS/ LEED AP BD&C/ NRMCA Craftsman/ BMP Inspection & Maintenance  
CFGBA - Advisory Committee 2010/2011

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