

# Pervious Concrete: The Environmental Solution

## Georgia Gets an Education on Pervious Read All About It



**Project:**  
East Atlanta Branch  
Library

**Location:**  
457 Flat Shoals Ave. SE  
Atlanta, GA

**Client Contact:**  
Belinda A. Morrow,  
LEED

**Project Type:**  
Parking lot with  
retention pond below  
945 Cultec Recharger®



Pervious concrete is a mixture of coarse aggregate, Portland cement, water and little to no sand. A typical pervious concrete pavement has a 15-25% void structure and allows 3-8 gallons of water per minute to pass through each square foot.

<b>Product:</b>	Pervious concrete
<b>Completed:</b>	Targeted for completion March 2005
<b>Concrete Contractor:</b>	PCI Systems, LLC
<b>General Contractor:</b>	Newco Construction
<b>Ready Mix Supplier:</b>	Thomas Concrete
<b>Specifier:</b>	Dave Blackley, Fulton County
<b>Sq. Ft. Poured:</b>	10,000
<b>Thickness:</b>	6 inches
<b>Base Thickness &amp; type:</b>	6 to 24 inches of #57 stone
<b>Use of Fabric:</b>	Geotextile fabric
<b>Soil Type:</b>	Clay

Fulton County Government, working collaboratively with the construction management team, specified pervious concrete for the material's environmental benefits and to facilitate their LEED—Leadership in Energy & Environmental Design—Green Building Rating System™ certification (LEED certification recognizes building projects that demonstrate a commitment to sustainability and meet the highest performance standards. An example would be more environmentally responsible and sustainable surfaces). Stormwater chambers were used beneath the pervious concrete foundation to increase water storage capabilities and to eliminate the need for a separate retention pond. Cultec, Inc. of Brookfield, CT, manufactured the stormwater chambers.

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