



PaveDrain®

Fountainhead Engineering Ltd. is working in conjunction with PaveDrain® to develop a mix design using manufactured lightweight aggregate (trade name Versalite™) from the former Universal Aggregates, LLC facility in King George, VA to produce a permeable articulating concrete block/mat (P-ACB/M) that creates an aesthetic and durable pavement integrated with a stone reservoir to temporarily store surface runoff and allow for direct infiltration to the subsoil.

The patented arch within the block serves as a reservoir for increased storage in the event of the "100 Year Storm." This product can replace traditional impervious asphalt and concrete pavement, be used to control runoff, minimize the use of retention basins and allow storm water to receive beneficial water quality treatment. The product clearly provides environmental benefits as a designated structural solution for compliance with local regulatory storm water requirements. Due to greater durability and savings in life cycle storm water management costs, this product is often a very cost effective alternative to traditional pavements.

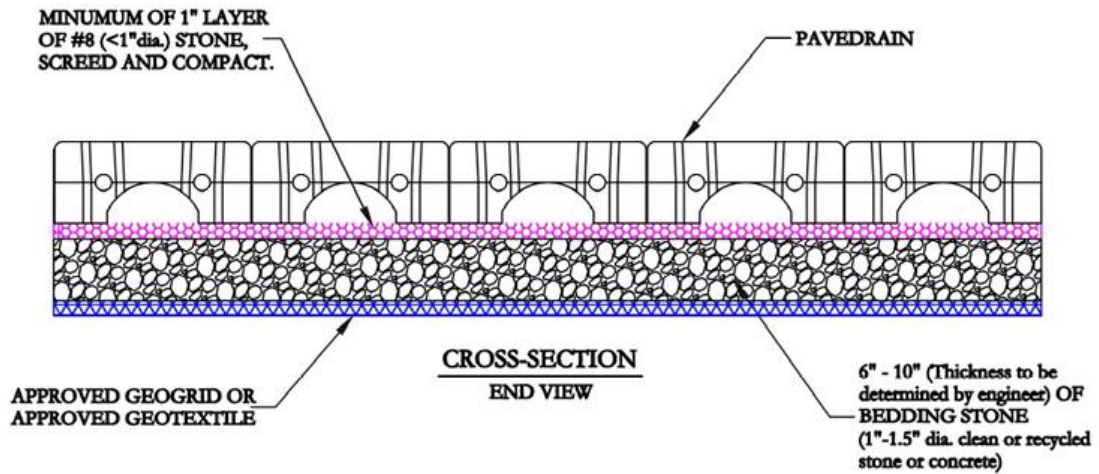
PaveDrain® meets the requirements of ASTM C 936, and is a structural Best Management Practice (BMP) for storm water infiltration. The USEPA identifies concrete grid pavements, consisting of concrete blocks with regularly inter-dispersed void areas that can be filled with permeable materials, such as AASHTO #8 or #9 stone, to be a BMP.

Ernest Maier Inc., a PaveDrain® vendor that is a masonry block manufacturer serving the Washington D.C. area has installed a 960 sq. ft. parking lot at the Bladensburg, MD Town Hall using this premier articulating permeable paving surface in December 2010.

More information on this product can be found at <http://www.pavedrain.com/> .



Installation at Bladensburg, Maryland Town-Hall parking lot during December 2010.



Typical cross section of a PaveDrain® installation.



Installation at Bladensburg, Maryland Town-Hall parking lot during December 2010.



Finished installation of Bladensburg, MD Town-Hall parking lot.