

SEEPAGE CONTROL > TRENCH DAMS/ANTI-SEEP COLLARS

WEST NORRITON DETENTION BASIN REPAIR

WEST NORRITON, PA (COMPLETED JUNE 2007)



Issue



Solution



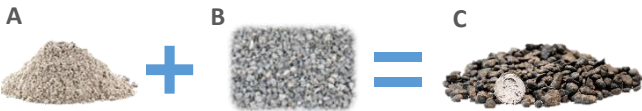
Result

The West Norriton Township near Philadelphia, PA has been a target for more commercial development as population has grown significantly over the last two decades. With development comes increased stormwater runoff, exceeding the capacity of existing drainage infrastructure. One new shopping center development required an enhanced detention basin and outflow piping to safely convey stormwater flow from peak runoff events, but failed to account for seepage creating a preferential path through the basin's

embankment. With the basin and utility system at risk of collapse, AquaBlok was selected for use in trench dams built along the basin's principal outlet piping. The rapid and easy installation, self-compaction, and performance as a hydraulic barrier made AquaBlok a smart choice for protection of critical stormwater infrastructure for the Township. Compared to other methods of seepage control, including rigid concrete, AquaBlok saved upfront installation cost as well as long term maintenance and repair cost.

GEOTECHNICAL sealing solutions

COMPOSITE BENTONITE AGGREGATE composed of a specific gradation of stone coated with sodium bentonite and a proprietary binder.



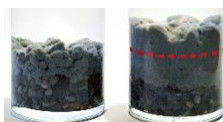
HOW AQUABLOK WORKS AquaBlok Composite particles expand when hydrated, transforming the material into the cohesive seal that self-compacts and conforms to uneven surfaces. The result is a natural and sustainable hydraulic barrier.



AquaBlok Dry



AquaBlok Hydrated



AquaBlok Hydrated [24 hr]

SEEPAGE CONTROL	POND SEALING	REPAIRS
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For technical support or questions regarding geotechnical engineering applications, please contact

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