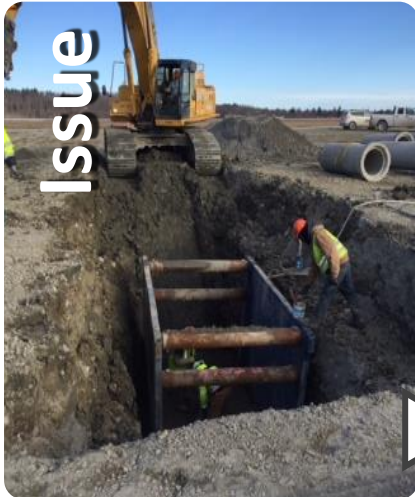


SEEPAGE CONTROL > TRENCH DAMS/ANTI-SEEP COLLARS

# WORCESTER REGIONAL AIRPORT STORM DRAINS

WORCESTER, MA [COMPLETED JANUARY 2018]



Important drainage issues needed to be resolved when the Worcester, MA Regional Airport's taxiway was extended in late 2017. Installed reinforced concrete pipe (RCP), in diameters up to 24 inches, required anti-seep collars (trench dams) to be installed at 50-foot intervals along the pipe runs and adjacent to each manhole or structure. AquaBlok was recommended as an appropriate product to construct the collars in the field, as moisture causes the bentonite clay within the composite bentonite aggregate material to swell and

self-compact upon contact with groundwater, creating an impermeable seal at each anti-seep collar location. The first truckload of AquaBlok arrived on the jobsite within two days of order placement, and ultimately a total of nine truckloads [360,000 pounds] of AquaBlok was delivered to the site. By forming a watertight seal at each location, the AquaBlok has performed well in protecting the installed pipes and helped with on-time completion of the overall project.

## GEOTECHNICAL sealing solutions

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



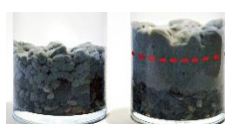
**HOW AQUABLOK WORKS** AquaBlok Composite particles expand when hydrated, transforming the material into the cohesive seal that self-compacts and conforms to uneven surfaces. The result is a natural and sustainable hydraulic barrier.



AquaBlok Dry



AquaBlok Hydrated



AquaBlok Hydrated [24 hr]

SEEPAGE  
CONTROL

POND  
SEALING

REPAIRS

For technical support or questions regarding geotechnical engineering applications, please contact

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