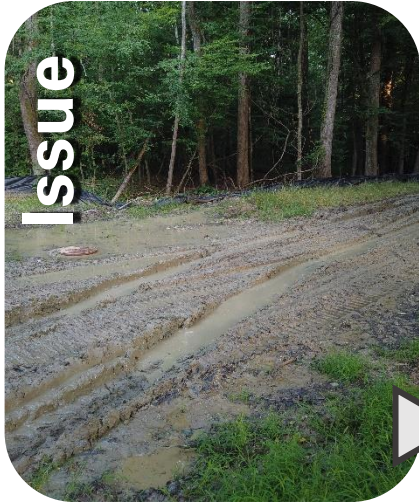


SEEPAGE CONTROL > TRENCH DAMS/ANTI-SEEP COLLARS

GWINNETT COUNTY SEWER UPGRADES

PEACHTREE CORNERS, GA (COMPLETED JULY 2021)



As the most populated county in the metro Atlanta region, Gwinnett County maintains over 3,000 miles of sewer lines and treats 56 million gallons of wastewater per day. With a diverse ecological landscape throughout the county, there are many instances where new sewer interceptors serving continuous commercial and residential development growth must intersect dedicated wetlands and stream buffers. One such 18-inch diameter interceptor installed through a neighborhood in Peachtree Corners, GA raised concern over the ability for ground water in a wetland area to gradually seep (and eventually exit) through the pipe trench. The County needed a solution to mitigate potential

seepage to preserve the integrity of the wetland, and had the contractor install multiple Composite Bentonite Aggregate (by AquaBlok) trench dams along the interceptor trench. Typical trench dams in Gwinnett County have been constructed with concrete, but the access to this sewer involved tight neighborhood roads and a muddy easement that would have prevented concrete trucks from traversing. AquaBlok was an ideal choice because of its ease and speed of installation, without sacrificing any seepage control performance. The contractor was able to install six trench dams in less than two days to protect the wetland with minimal disturbance during construction.

GEOTECHNICAL sealing solutions

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



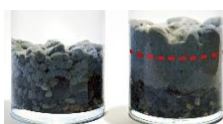
HOW AQUABLOK WORKS AquaBlok Composite particles expand when hydrated, transforming the material into the cohesive seal that self-compacts and conforms to uneven surfaces. The result is a natural and sustainable hydraulic barrier.



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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