

SEEPAGE CONTROL > TRENCH DAMS/ANTI-SEEP COLLARS

ANGLER MOUNTAIN DEVELOPMENT

SILVERTHORNE, CO [COMPLETED JULY, 2016]

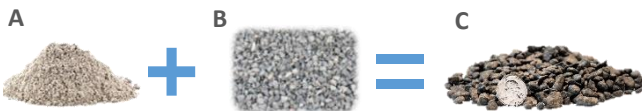


New development in the popular Silverthorne, CO region meant construction of infrastructure on steep grades. Local codes required trench dams spaced on periodic intervals of sewer main construction to prevent underground water flow against the outside of the pipe. Installing trench dams perpendicular to the pipe trench was a critical measure in this soil environment to prevent pipe bedding degradation and washouts. Trench Dams are sometimes constructed using native clay soils, sand-cement mixtures, or even

concrete. The frequency of required dams for this development, and the depth of the trench called for a much simpler and faster method of seepage prevention. AquaBlok was chosen based on its ease of installation, and the elimination of backfill compaction around the pipe in the deep trench. The pliable yet impervious bentonite-based AquaBlok was less expensive than concrete or grout and minimized concerns with future cracking from seismic or fatigue.

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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