

AquaBlok® Installation Profile



Site Location: US EPA Region 7

Deer Creek, St. Louis, MO

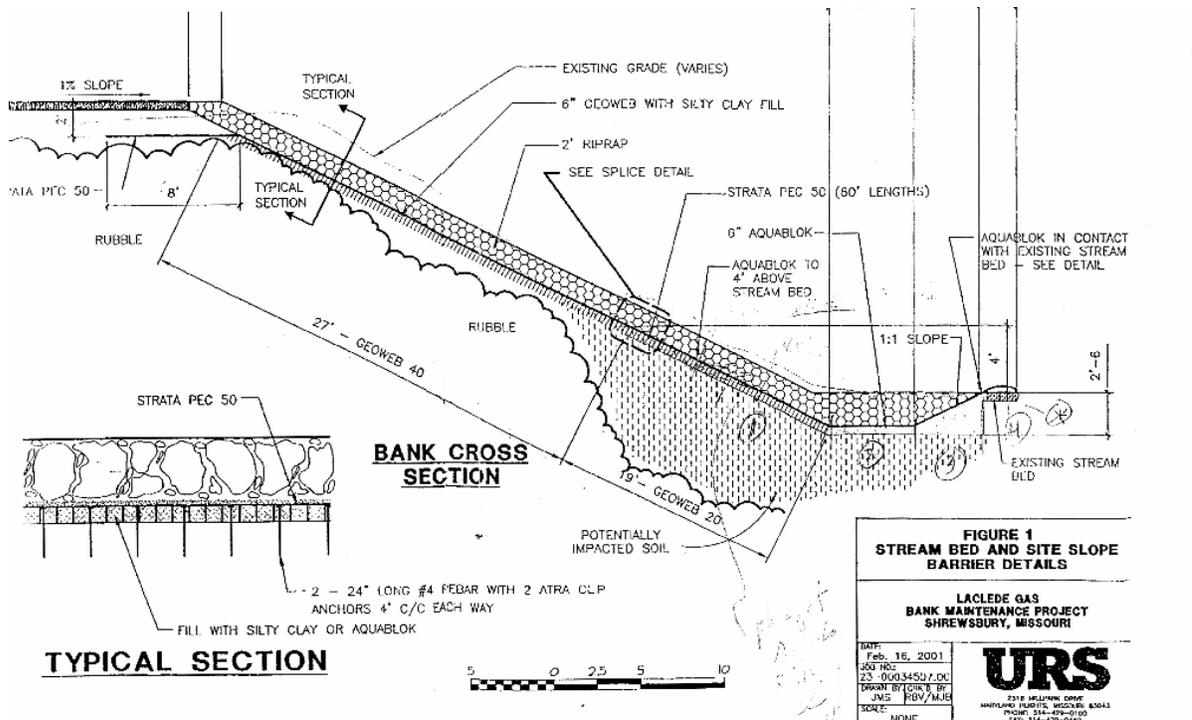
Project Status: Completed February 2002

Setting / Purpose: River (freshwater). Encapsulation of contaminated sediments, within the context of a bank stabilization project.

Contaminant(s) of Concern: Hydrocarbon/petroleum based (creosote) from a historic manufactured gas plant (MGP).

AquaBlok Cap Design / Site Area: Multi-component design:

- River-channel area: Layer of hydrated AquaBlok (~6 inches or ~15 cm in target thickness) covered by a non-woven geotextile covered by a surficial layer of aggregate and riprap stone (~26 inches or ~66 cm in target thickness).
- Bank-slope area: Layer of hydrated AquaBlok (~6 inches or ~15 cm in target thickness) placed in Geoweb cells covered by a non-woven geotextile covered by a surficial layer of aggregate and riprap stone (~26 inches or ~66 cm in target thickness).
- Site was 510 square meters (5,500 square feet).



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Installation of Geoweb Material: To accommodate the installation of AquaBlok on the steep slope above the creek, a geoweb (Presto Products) was utilized. The geoweb material was supplied to the site in rolls, which were secured by stakes and expanded down the slope to the necessary length to provide open cells to accept the AquaBlok. The photos below show the extent of the slope (approximately 1:1) and the securing of the geoweb.



Method of AquaBlok Placement: Material placed directly from Supersacks suspended from a shore-based excavator (shown on previous page).