

Cumberland County Landfill

Cumberland, VA



Project Description: As part of expansion of the Cumberland County Landfill, a new Industrial Access Road Bridge crossing Maxey Mill Creek required foundation support in challenging subsurface conditions.

GeoStructures provided design and installation of high capacity micropiles bonded into rock for the support of abutments for a new bridge at the Cumberland County Landfill. A pile foundation was required in order to transfer foundation loads through soft alluvial materials into a competent rock strata below. GeoStructures' micropile design was the most economical solution. The installation of one hundred thirty four (134) micropiles with a design load of 150 kips was completed in the fourth quarter of 2008.

Owner: Allied Waste, Richmond, VA

General Contractor: D.W. Lyle Corporation, Clarksville, VA

Structural Engineer: Dewberry, Fairfax, VA

Geotechnical Engineer: Brown and Caldwell, Nashville, TN