

SLRD HARRIS LANDFILL MULLICA HILL, NJ

LANDFILL RETAINING WALL

Products: "L" Panel Wall System,
MacGrid® WG, BioMac®

Problem

The former Henry Harris Landfill site was purchased by SLRD-Mullica Hill, Inc., a private developer for remediation. In order to contain the fill material needed to cap the landfill, a system was needed to go along the entire perimeter of the site. The system needed to reach heights of over 100 feet, and be easily installed in stages to accommodate the backfill material as it was delivered to the site.

Solution

Maccaferri worked along with the engineer, Pennoni Associates, Inc., to design a Mechanically Stabilized Earth wall that met the requirements of the project. The welded wire "L" panel wall system was chosen due to its ease of installation, and cost effectiveness.

The "L" panel face units were installed along with Maccaferri's MacGrid® WG geogrid which served as both a primary and secondary reinforcement. Maccaferri's BioMac® C3 erosion control blanket was installed at the fascia of the wire panels to provide a hospitable environment to establish vegetation. The primary geogrid reinforcement lengths were determined by the overall height of the wall, so achieving the specified height was not an issue.

Client

SLRD – MULLICA HILL, INC.

Main Contractor

LOPES EXCAVATING–DEMOLITION

Designer

PENNONI ASSOCIATES, INC.

Products Used

"L" PANEL WALL SYSTEM, MACGRID® WG, BIOMAC® C3

Date of Construction

MARCH 2013



Attaching BioMac® and MacGrid® WG to the fascia



Placing backfill over MacGrid® WG



Front view of the MSE wall under construction

MACCAFERRI

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