

NORTHPARK AT FRESH KILLS
STATEN ISLAND, NEW YORK, U.S.A.**Reinforced Soil Walls and Slope Reinforcement****Problem**

The Fresh Kills Landfill in Staten Island, New York was in operation from 1948 – 2001, and was once one of the largest landfills in the world. It stretched over 2,200 acres, and at its peak, received 29,000 tons of waste per day. Over time, pollution damages, pests, and destruction of the land began to take a toll on the surrounding community. As a result of community pressure, a law was passed in 1996 requiring the landfill to cease operation by the end of 2001.

The New York City Department of Parks & Recreation is responsible for creating park land from the decommissioned Fresh Kills Landfill. In October 2008, reclamation of the site began for a multi-phase, 30-year site development. The Fresh Kills Landfill is to be transformed into Fresh Kills Park, to include reclaimed wetlands, recreational facilities, and landscaped public parkland.

As a part of this reclamation, the New York City Department of Parks & Recreation needed to create a roadway and pedestrian walkway leading up to a lookout area and comfort station. They needed a system that would be able to be vegetated in order to blend into the park like surroundings, so they contacted Maccaferri for a retaining wall system.

Solution

Green Terramesh was chosen as the best solution because it can be live staked in order to provide the green wall that the New York City Department of Parks & Recreation was looking to achieve. The contractor was able to bury sonotubes in the top of the wall during installation as locations for a necessary guard rail to be installed later on in the project. They were also able to prepare the locations during installation where trees will be planted along the top of the wall. They achieved this by marking the location of each tree and placing a round steel form in that area and filling with the appropriate soil. Then they would backfill the form with the wall fill material then remove the form.

Client: ACF Environmental**Designer / Consultant:** NYC Department of Parks & Recreation**Contractor:** Lomma Construction**Products used (Qty.)**

- Green Terramesh 405

Date of construction: 12/2019 - 12/2019

Start of installation



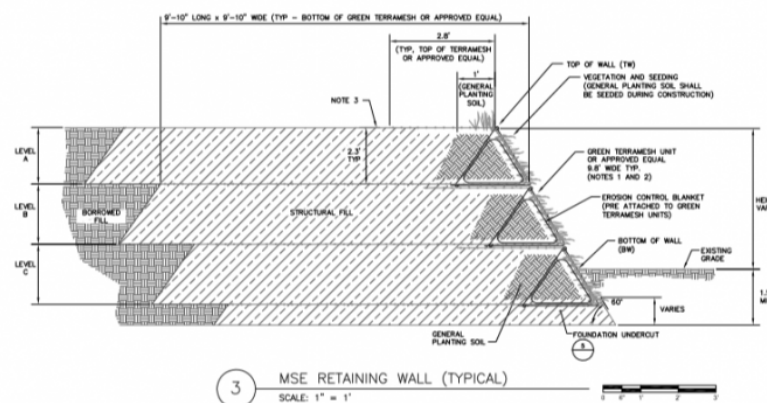
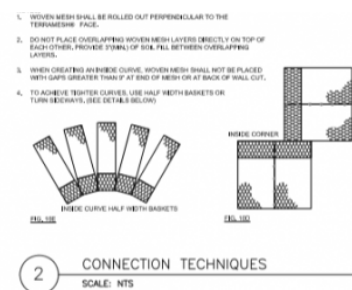
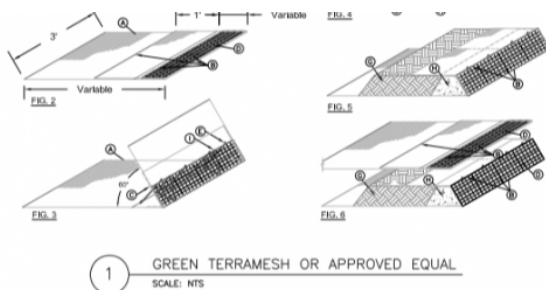
Start of installation



Sonotubes embedded in the wall for guardrail installation



Completion of section



Wall cross section