GREENPOINT LANDING GRES WALL
BROOKLYN, NY

RETAINING WALL & SOIL REINFORCEMENT

Product: MacGrid®, MacTex®, Welded Wire Wall Panels

MFM Contracting Corp. (MFM) was already underway on a project in Brooklyn, NY. The contractor was looking for the best solution to construct a load appropriate access ramp for construction equipment and material deliveries. Maccaferri’s technical department worked with the project’s designer, Titian Engineers, utilizing a combination of Maccaferri’s geotextile’s and welded wire panels to create a solution that would satisfy load requirements.

Problem
The contractor, MFM needed a cost effective solution to create an access ramp to get construction materials and heavy equipment onto their project site. Not only did they need a solution that met their budgetary needs but the solution also needed to meet certain load criteria to accommodate loaded trucks and heavy construction equipment entering and exiting the site.

The project is located in Brooklyn, NY along the East River just across from mid-town Manhattan. Since this is an urban area space was very limited. Construction, already underway on the site, meant even less space to work in a solution. The solution had to limit excavation in order to ensure other trades already on the project were able to continue their work. Additionally, construction could not be stopped while it was being installed.

Client:

Main Contractor:
MFM CONTRACTING CORP.

Designer:
TITAN ENGINEERS

Products used:
MACGRID®, MACTEX®, WELDED WIRE WALL PANELS

Date of Construction:
JANUARY 2017 - APRIL 2017
Solution

Maccaferri’s technical group and Titian Engineers designed a solution using Maccaferri welded wire wall (GRES) system. The MacGrid® WG5 was chosen as the primary reinforcement grid because it met the strength needed for the load requirements of the ramp. This was also the optimal material due to the grid’s strength; We were able to keep the reinforcement length to a minimum which meant less excavation and a quicker installation time. Maccaferri’s MacTex® W1 315 Woven Geotextile was chosen to line the face of the baskets because of its ability to contain fine backfill material and prevent soil from passing through. Maccaferri’s proposed solution provided an entire “system” in which all components work together to provide the requirements needed for the access ramp.

“We were very pleased with the technical assistance we got from Maccaferri to get the GRES system designed and approved”

- MFM Contracting Corp.

Click here to contact our technical department for assistance on your project.