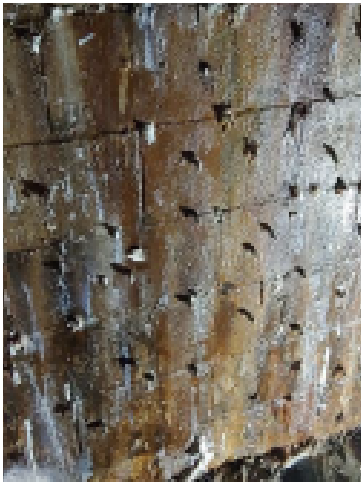
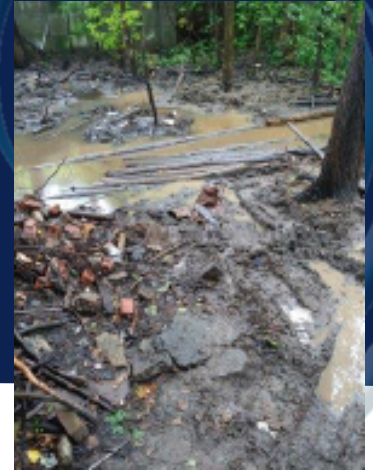


OVERVIEW

A retirement home in the Bronx, New York was experiencing significant infiltration through a non-core filled block wall. The property was formerly a hotel that had a parking garage under the structure that now acts as its basement/storage area. Prior to the retirement home taking ownership of the property, a contractor had started to build another basement next store, however the job was cut short after the foundation was dug leading to a pit of clay/muddy soils that was right up against the home's block walled basement.



PROBLEM

The water infiltration coming through non-core filled block wall created an opportunity for mold growth and mildew in the basement of the retirement home. The General Contractor Ethic Corporations had tried to fix the project with multiple contractors to no avail.

CHALLENGE

The Non-Core filled basement structure had a massive number of holes drilled into it already in an attempt to stop the infiltration, yet nothing was working.

SOLUTION

Camden Group selected Avanti's AV-275 Soilgrout™ because it is an expansive grout that fills voids and binds loose soils. AV-275 with AV-276 Soilcat™ (catalyst) is a hydrophilic grout that permeates well, and reacts quickly with water to form dense, impermeable semi-rigid foam. AV-275 was designed to bind together and waterproof loose granular soils and withstands wet/dry cycles. AV-275 was to be used to curtain grout around the exterior of the wall.

Camden Drilled through the block pumping the AV-275 in a way to create a plume that built a shelf to hold the rest of the foam underneath. After mixing AV-275 with its AV-276 catalyst, Camden began pumping through the wall with Graco 495 pump into the soil. After pumping the wall with approximately 200 gallons the wall was completely dry. A few days after finalizing the injection it rained, and no infiltration was spotted. After final inspection the wall was coated.



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