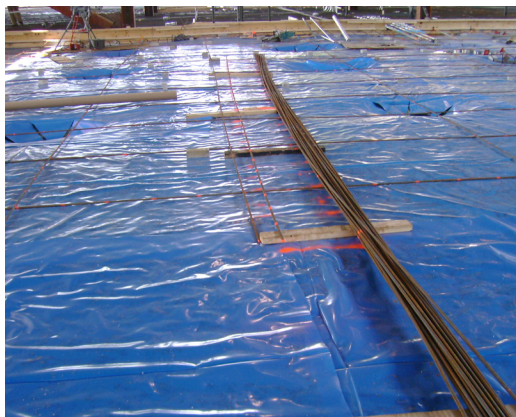


CETCO vapor mitigation system chosen as VOC protection barrier for school campus

The Mott Haven School Campus was to be built on a former manufacturing site with residual contaminants in the soil.



Left to right: The installed spray-applied vapor membrane attaches to the piles and conforms to the haunch; completed vapor membrane is covered with ULTRASHIELD™ P-150 protection material; upon completion, other trade installations can begin.

PROJECT DETAILS

Mott Haven School

Engineer: The Shaw Group, Inc.

Certified Installer: Restor Technologies, Inc.

LOCATION

Bronx, New York, USA

PRODUCTS USED

LIQUID BOOT® Spray-Applied Vapor Barrier

CHALLENGE:

The site for the school development underwent a series of environmental remediation procedures and concern over vapor migration of VOCs and BTEXs in the soil needed to be addressed.

SOLUTION:

Among other remedial activities, a comprehensive spray applied gas vapor barrier with sub-slab depressurization system (SSDS) was designed and recently installed on the site to protect the school and its occupants from vapor intrusion. The LIQUID BOOT® gas vapor barrier was successfully installed in approximately 16 weeks. The barrier met and exceeded strict chemical resistance and diffusion testing requirements, and was designed to conform to stringent quality control testing procedures, including smoke testing; ensuring a vapor tight seal beneath the building. CETCO solutions were chosen based on our company reputation, design assistance and because we were capable of accommodating a tough construction schedule. CETCO was instrumental in helping the engineer complete the proper membrane design.

RESULT:

The use of a gas vapor barrier ensured the school was protected from any potential sub slab vapor intrusion issues. Additionally, the system was fundamental to the remediation design and integral in ensuring the site met the environmental health and safety requirements.

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