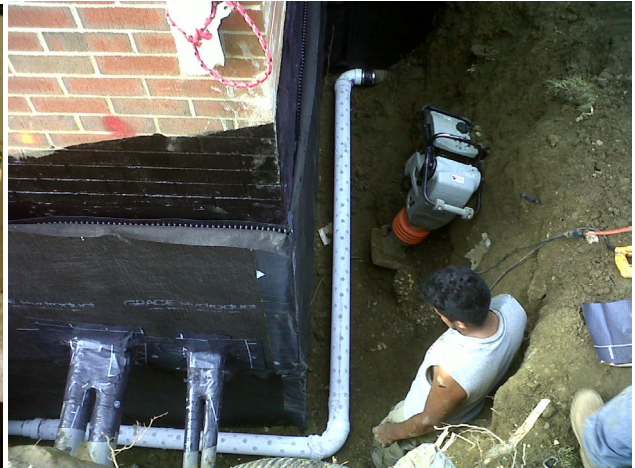


Covington Community Center **Forensic Analysis and Waterproofing Repairs**



Two-story, recreation center serving five adjacent residential communities and containing a social hall, meeting spaces and offices on the upper (street) level and fitness center, locker rooms and pool facilities on the partially, below-grade lower level. The lower level has CMU foundation walls clad with brick veneer at exposed elevations. The upper level is clad with brick veneer and vinyl siding over wood framing. The project is located in Bowie, MD.

Challenge: Ongoing water infiltration at the lower level was saturating carpet, damaging interior wall and ceiling finishes, resulting in a pervasive musty odor and concerns of microbial growth. Of significant concern was infiltration through the walls supporting the switchgear of the main electrical room.

Value Added: Davidson & Associates (D&A) utilized a combination of visual observations, a review of original construction drawings, non-destructive moisture detection and excavation of strategically located test pits to identify deficiencies within the below grade damp proofing and inadequately sealed penetrations along with inadequate drainage provisions at an adjacent segmental masonry retaining wall entrapping water against the foundation. Repair scope included installing below grade waterproofing and drainage to mitigate water penetration.

Service performed: Preparation of forensic analysis, repair scope of work and detailing, and quality assurance during repairs.

Client: Zalco (First Services) Realty
Magnitude: \$20,000.00

Contractor: Assured Services Inc.
Duration: 2009 - 2010