

## The Heights High School Houston, TX

**Client:**  
413 E 13th St.  
Houston, Texas 77008

**Date:**  
September 15, 2017

**Fees:**  
\$75,000

**Highlights:**  
Below-grade waterproofing

The Heights High School is an existing facility within the Houston Independent School District (HISD) that was originally constructed in the 1920s. The school, previously known as Reagan High School, is located at 413 East 13th Street in the Houston Heights area of Houston, Texas. The Heights High School has undergone various additions and renovations dating most recently to 2004. The basement structure is cast-in-place concrete and previously included an indoor pool. The pool has been



abandoned and backfilled within a concrete infill slab placed over the opening. The basement has since been converted into ROTC classroom and office space. Water penetration following heavy rain events has been reported in the basement since its conversion to classroom/office space.

The project scope included building envelope consulting services for the remediation for on-going water infiltration in the basement and sub-basement of the Heights High School. For the remediation, Terracon performed an evaluation of the sub-grade building envelope and surrounding areas and developed a waterproofing restoration design. This design is extensive incorporating civil, plumbing, waterproofing, and interior finish work to mitigate the exposure of the basement to ground water and to remediate the water infiltration.