

# case study

# TDT Plumbing

Better than a Repipe...without Destroying Walls!

## Pipe Restoration

**RICE UNIVERSITY**  
Houston, TX

Rice University was founded in 1891 by Houston entrepreneur William Marsh Rice and held its first classes in 1912. Currently, the university is actively involved in collaborative research programs with the Johnson Space Center (NASA), the Med Center, and Houston's energy and technology industries. And it was in Anderson Hall, biology labs for Rice's Wiess School of Natural Science, that a drainage problem required immediate attention.

### THE PROBLEM:

A leak was detected on a 4-inch welded steel storm drain line running from the roof to the ground between a brick and cinder block wall at Anderson's Biological Laboratories. A large hole (3"+ in diameter) was located in the pipe. Water began migrating from pipe's interior to its exterior via the massive hole. The migratory water would pool in the basement as a result. Conventional replacement of the line would have necessitated carefully removing the brick fascia of the building's exterior to access and replace the line. This option was both time-consuming and uneconomical.

### THE SOLUTION:

Traditional pipe repairs of this nature typically required removal of the exterior and cinder bricks to access the failed pipe. But thanks to new technology from TDT Plumbing, no cosmetic damage or reconstruction would be required. TDT Plumbing utilized ACE DuraFlo®'s new "trenchless" technology to repair a 4-inch, storm drain riser in-place. The repair utilized a bladder technology that constructed a new epoxy composite pipe inside the existing pipe. The drain line was restored from the roof drain to the horizontal main line at the basement and placed back into operation in less than 8-hours with no cosmetic repairs or additional access required.



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