Con Edison Exploratory Excavation - ConduFill®
March 5, 1998

In October of 1997, Thermal Science Technologies, LLC was contracted to thermally restore approximately 350 LF of 8" high-pressure steam piping on 27th Street between 2nd & 3rd Avenue. This particular section of buried steam piping in New York City was housed within an 18" Class A-type steel casing with 3" of existing asbestos insulation. In order to verify that the void was completely filled with ConduFill®, Con Edison excavated a randomly-selected section of piping and exposed a 3 square-foot section of the piping system for inspection.

The photographs below were taken at the site on March 5, 1998, six (6) months after the system was insulated with ConduFill®. The photos reveal that TST successfully filled the void between the carrier pipe and the outer steel casing which reduced heat losses and sealed the piping system from future ground water intrusion.

The 18-inch outer steel casing is marked prior to cutting/grinding.

The outer steel casing is carefully cut with a grinder by a Con Edison employee.

The casing is removed to reveal that ConduFill® (gold) had indeed filled the entire void while compressing and encapsulating the existing asbestos insulation (grey).

A closer look of the opened steel casing reveals that the ConduFill® insulation adhered to the outer casing when it was removed. The existing asbestos insulation (grey) also adhered to the inner layer of ConduFill®.

A closer look at the section of ConduFill® that was manually peeled away from the existing asbestos insulation.