Mueser Rutledge
Consulting Engineers

*Founded in 1891, New York Law School is an independent law school located in lower Manhattan near the city's centers of law, government, and finance. Currently, it is undergoing a significant expansion that involves a site adjacent to the school pictured above. Upper left: Tight construction site in December 2006. Lower left: 60 ft. reinforcing cage ready to be installed in one of the excavated slurry wall corner panels.*

## New York Law School Expansion and Rehabilitation (New Community Facility)

*New York, NY*

Mueser Rutledge Consulting Engineers (MRCE) is providing geotechnical and foundation engineering and instrumentation and monitoring services during New York Law School's $190 million expansion and renovation of their TriBeCa campus. This two-phase project began in 2006 and is scheduled for completion in 2010. The project comprises 216,000 sf of new construction and 150,000 sf of renovations to three existing buildings that will result in a functional complex, and an attractive new identity. The new building maximizes the site; it is surrounded on all sides by buildings and the NYCT #1, 2, and 3 subway lines run along West Broadway in front of the site. MRCE's instrumentation services utilize 34 Micro-Electro-Mechanical System (MEMS) tilt sensors and 10 seismographs equipped with alarm notification systems, 100 crack gauges, 19 inclinometers & 10 piezometers; instrumentation includes data logging equipment for remote reading of instruments.. MRCE installed all baseline and will monitor equipment for the estimated 10 month construction period.

MRCE's Services include:

- Field exploratory work, with borings and test pits; design sheeting and bracing for the shallow excavation
- Design of the slurry wall for the support of the deep excavation (four basements)
- Staging of the top-down method for excavation and floor slab construction
- Field inspection during slurry wall construction and excavation
- Contract drawings
- Geotechnical report
- Condition surveys for seven adjacent buildings
- Design, procurement, installation and monitoring instrumentation for five adjacent buildings and 150 lineal feet of the NYCT subway tunnel for vibration and settlement.