



**Mueser Rutledge
Consulting Engineers**



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Conde Nast Building at 4 Times Square

New York, NY

This 48-story, 1.6 million-sf tower, with two-stories underground, is located at the northeast corner of Broadway and 42nd Street in Manhattan, and straddles several urban spaces with diverse identities, including: the commercial Times Square, the urban Bryant Park, and the bustling midtown business district. The firm's special knowledge of the effects of excavation and construction on adjacent facilities was taken into account during the subsurface investigation and the formulation of the foundation design. The building was the first speculative office tower built in Manhattan since 1988, and was the first "Green" skyscraper in the United States—the first office building of its size to adopt standards for energy efficiency, indoor ecology, sustainable materials and responsible construction, operations and maintenance procedures.

Mueser Rutledge Consulting Engineers (MRCE) provided subsurface investigation and foundation recommendation services for this major new office tower. Specific services included a research of available information on ground conditions and existing subway structures from MRCE files, in addition to data obtained from the NYCT on their subways and stations. A boring investigation was also conducted prior to demolition of the existing buildings. MRCE prepared a foundation report with recommendations for supporting the new building and protecting adjacent buildings and subways. We also designed temporary excavation support for foundations next to the subways and obtained approval for drawings from the NYCT.