



Above left: Rendering of Broadway looking south. Lower left: 125th Street looking northwest. At Right: Development area.

Columbia University Future University Campus – Master Plan Study New York, NY

Mueser Rutledge Consulting Engineers (MRCE) is the geotechnical and foundation consultant for the Master Plan study for a campus expansion proposed to be developed in an industrial/commercial area on the west side of Manhattan. The site is between Dr. Martin Luther King, Jr. Boulevard (125th Street), 132nd Street, Broadway and 12th Avenue. Also considered was a future expansion of the Master Plan to 133rd Street. The Riverside Drive Viaduct is located above 12th Avenue and elevated subway tracks run above Broadway. The purpose of the Master Plan study is to evaluate the costs and feasibility of expanding an existing university into properties currently occupied by commercial and industrial uses.

The buildings now on the site are one to ten story properties. Because the proposed university buildings would supplant those structures, MRCE gathered and evaluated historical data, and provided a general subsurface evaluation of site. Reports of findings were produced, offering general consulting on construction issues and feasibility of new foundations. Also, MRCE performed preliminary foundation and excavation support design in order to estimate their construction and material costs. MRCE consulted the project team on the impacts of foundations and construction on adjacent structures, particularly the elevated subway.

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