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Survey of the Columbus Circle Station Complex

Borough of Manhattan

PROJECT NAME

Survey Services for the Rehabilitation of the 59th Street, Columbus Circle Station Complex (CM – 1217), in Manhattan, New York City

PROJECT OWNER

MTA NYC Transit

SERVICES PROVIDED

- Topographic, Utilities, Boundary, R.O.W. Surveying
- Railroad Track Survey

PROJECT DESCRIPTION

As a subconsultant KS Engineers, P.C. (**KSE**) provided all surveying services for this complex NYCT project. **KSE** is responsible for providing three-dimensional field surveys, which include all levels, areas, and access to Columbus Circle Station Complex as well as the adjacent street.

KSE's scope included the following:

- Establishing survey base line and bench marks throughout the project to which all surveys were originated
- Three-dimensional surveying to include all platforms, mezzanines, corridors and utilities within the areas of improvement including street level, stairs, ventilator structures, sidewalks, curbs
- Survey of base-of-rail to top-of-platform elevations at all platform edges at 25 ft. intervals
- Survey of elevations of all levels of the station and vertical variations within those levels
- Locating all vertical columns and walls within the areas of improvements
- Survey of dimensions and location of safety niches, depth of niches and centerline of track to back wall of niches at the IND Station
- Detail mapping of the ceilings at selected areas of the mezzanine, IRT, and IND levels.

Submission of all survey information formatted in accordance with NYCT standards (Microstation V8) in a 3D format.

