

Infrastructure, Sewer & Water Improvements for Pratt Avenue Area, Bronx NY

The firm was retained by NYCDDC to provide engineering services for the Pratt Avenue reconstruction project. The plan was to improve and update the Pratt Avenue area of the Bronx, bounded by East 233rd Street to the north, Conner Street to the east, Marolla Place and Palmer Avenue to the south, and Crawford Avenue to the west. Project work included roadway reconstruction; pavement resurfacing; installation of storm and sanitary sewers; and new water mains, house connections, and appurtenances to upgrade the existing distribution system. The work also included new sidewalks, curbs, handicapped-accessible ramps, street lighting, traffic signals, signing, and pavement markings. New York City is making a concerted effort to eliminate combined sewers and replace them with separate sanitary and storm sewers. This project included the installation of new storm sewers in 233rd Street, Seton Avenue, and Amundson Avenue in order to separate the combined sewer flow into sanitary and storm. The project also went beyond the expected limits, and we were able to incorporate a new design for the full-depth reconstruction of Light Street into the project without increasing the project budget. New concrete sidewalks and curbing were designed and installed where none previously existed, and the existing roadway was redesigned and reconstructed with a 6" concrete base and 3" asphalt overlay to new final grades for proper drainage flow to new catch basins in order to eliminate roadway flooding.



Reconstruction of Pratt Avenue Area
Bronx, NY

Client:
NYCDDC
Long Island City, NY



Entrant:
KS Engineers, P.C.
New York City, NY