

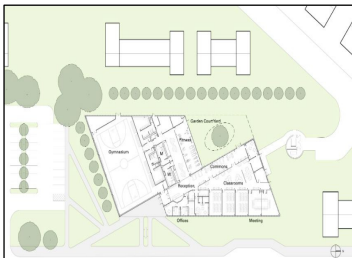
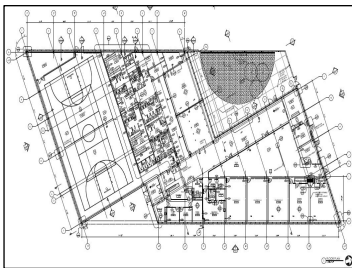


KS Engineers, P.C.

Engineers . Surveyors
Construction Managers

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Training Recreational Education Center 39-121 Ludlow Street, Newark, NJ

Newark, New Jersey

PROJECT NAME

Training Recreational Education Center at 39-121 Ludlow Street, Newark, NJ

PROJECT OWNER

Newark Housing Authority

PROJECT CLIENT

ikon.5 Architects

START/END DATES

2013 – Present



PROJECT DESCRIPTION

KS Engineers, P.C. (KSE) is providing structural, civil, geotechnical, and traffic engineering; landscape architecture design; surveying services; and supporting documentation for development of this site. The site comprises approximately three acres fronting on Ludlow Street and will be developed to contain a Training Recreational and Education Center housed in a new 28,000± square foot building.

The site/civil engineering effort included development of the following:

- Site clearing and miscellaneous removals
- Site grading and drainage details
- Site civil plan and lighting
- Soil erosion and sediment control plans
- Construction details and Specifications

The structural design for the new NHA Training Facility includes structural steel, reinforced concrete, timber design, and/or masonry work required by the architectural design of the new building. The work includes the foundation design for individual columns and walls, as well as the structural design of any below-grade portions of the new building, if required, such as a basement to house mechanical equipment. The building envelope was designed to include any required bracing and was designed for the building loads required by the most recent building code. All loading cases were evaluated for the new building, including seismic and wind loading.

The landscape architecture has posed certain challenges and includes a combination of visual screening from the abutting properties and a tree canopy, seasonal color, and protection from traffic noise and some protection from the parking lot.

KSE surveyors utilized the Global Positioning System (GPS), to establish right-of-way lines based on the information contained in the City of Newark Commissioners Maps. Vertical control was established from City Benchmarks or from the GPS. The vertical datum was converted from NAVD 88 to NGVD 29 to abide by the City of Newark standards.