

Grade Crossing Improvements, Wood-Ridge, NJ



GTS Consultants provided topographic survey and right of way mapping for improvements to the existing railroad grade crossing at Anderson Avenue and Park Place East in Wood-Ridge, NJ on New Jersey Transit's Pascack Valley Line.

The survey included detailed ground elevations for critical profile analysis, surface and sub-surface utility locations, track location with top of rail and top of tie elevations, railroad equipment locations, and general intersection geometry. In addition, utility poles and overhead wires were located with various wire array elevations to analyze the clearance constraints and conflicts with proposed railroad gates.

This grade crossing, located in a heavily industrial area of Bergen County, provided significant geometric challenges due to the presence of heavy truck traffic and the need to accommodate vehicular turning movements in close proximity to the proposed railroad gate and equipment locations.