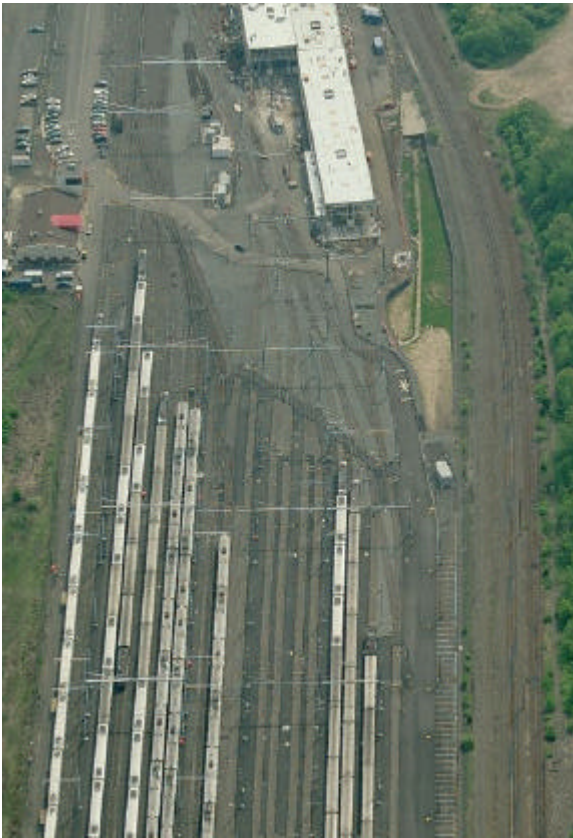


Morrisville Yard, Falls Township, Pennsylvania



GTS Consultants provided detailed topographic survey for improvements to and expansion of New Jersey Transit's Morrisville Yard, in Falls Township, Bucks County, Pennsylvania.

The topographic base mapping included detailed location of existing tracks with top of rail and top of tie elevations, point of switch and point of frog locations, catenary towers, wire heights, surface and sub-surface utility features, storm drainage structures, and ground elevations.

Ground elevations were used to determine earthwork volumes for excess soil stockpiles and to confirm storm water management basin storage volume.

GTS further established survey control baselines and bench marks for construction layout.

Project survey control was established in the New Jersey State Plane Coordinate System for compatibility with NJ Transit system wide communications and monitoring requirements. The Morrisville Yard serves as southern anchor for New Jersey Transit operations on the Northeast Corridor which runs from Trenton, New Jersey to Penn Station in New York City. The Yard contains vehicle maintenance and repair shops, train washing facilities, crew quarters, and communications offices.