

Enhanced Station Program

MTA Metro North Railroad

Westchester County, NY



Project Owner:
Metropolitan
Transportation
Authority/
Arup (Prime)

Professional Services:
2018

Construction:
2018-2019

Est. Construction Cost:
\$108 million

Professional Fees:
\$485,000

KEY ELEMENTS

- Topographic survey
- LiDAR survey
- 3D laser scanning



SUMMARY DETAIL:

PDC Survey crew conducted horizontal and vertical adjusted baseline traverse as subcontractor to project prime, Arup. PDC then performed the topographic survey of five stations, rails, and surrounding property: White Plains Station (6 acres), Crestwood Station (2 acres), Harlem 125th Station (0.25 acres), Port Chester Station (7 acres), and Riverdale Station (2 acres) for the MTA Metro North Railroad.

Survey details included condition surveys, photographic records, and utility/electrical runs/sewer connections.

Survey included the location of all utilities, structural and ground features in order to produce a base map suitable for use in improvement design.

Exterior site topography was completed at each station, right-of-way/temper easements at several of the stations, and interior 3D high definition laser scanning of the stations at White Plains and Harlem 125th Street Stations.