

East Norriton WWTP Expansion

Plymouth Meeting, PA



Project Description: Expansion of the East Norriton Wastewater Treatment Plant in Plymouth Meeting, PA required foundation support in challenging subsurface conditions (Karst geology).

GeoStructures provided both design and installation of high capacity micropiles bonded into rock for support of a new disinfection building and brine tank foundation in pinnacled limestone. Pre-production verification testing and production proof testing were employed to verify pile load carrying capacity and to optimize the pile design. The installation of twenty (20) micropiles with a design load of 150 kips in compression was completed in the first quarter of 2009.

Owner: East Norriton, Plymouth, Whitpain Joint Sewer Authority, Plymouth Mtg, PA

General Contractor: Quad Construction, Lumberton, NJ

Structural Engineer: Rummel Klepper and Kahl, Baltimore, MD

Geotechnical Engineer: Rummel Klepper and Kahl, Baltimore, MD