

Dolph Rotfeld Engineering, P.C.

JAMES A. NATARELLI, P.E.

Mr. Natarelli joined Dolph Rotfeld Engineering, PC in August 2009 and has since been a full time engineer contributing to municipal and private development projects of various sizes and objectives.

Mr. Natarelli has served as project engineer for New York Racing Association (NYRA) at Saratoga Racecourse and has been involved in an ongoing project to revamp all 15 of the racecourse's connections to the City of Saratoga Springs' water supply system. The project consists of replacing existing meters and pits with new subsurface vaults, water-department-approved meters and New York State-approved backflow preventers. The project also aims to bring multiple service lines together where feasible to reduce the overall number of meters and accounts to be monitored by the City and NYRA. Mr. Natarelli has been responsible for the design of the new vaults and watermain alignments as well as the coordination of these designs with City officials, NYRA personnel, contractors, component manufacturers and New York State Department of Health engineers.

Previous to the abovementioned work at Saratoga Racecourse, Mr. Natarelli designed and worked to implement plans to address an initiative to capture all effluent from horse-washing operations and discharge the runoff into the municipal sanitary sewer system. Mr. Natarelli assembled a map of existing utilities for a 42-acre section of the property and designed new sanitary sewer lines, water mains and storm drain lines including areas designated for horse-washing operations, limits of new paving and a series of detention basins to capture runoff from the site.

Mr. Natarelli also served as project engineer for the 420-plus acre Belmont Park complex. In order to develop and modernize the infrastructure it was necessary to evaluate and map existing utilities. Mr. Natarelli coordinated the investigation of the utilities including the mapping of subsurface structures and mains and completed the drafting so that the maps could be used to lay out several new connections for subsequent development, existing flow monitoring and assessment of existing system capacity.

In Rye, N.Y., Mr. Natarelli designed a low-pressure sanitary sewer forcemain in an effort to decommission existing septic fields and allow additional development of a residential, waterfront neighborhood. The system's design required the mapping of the residences' existing septic tanks, pressure calculations for pump specification, the coordination of utility mark-outs and the creation of plans and contract bid documents.

For the City of New Rochelle Mr. Natarelli has been tasked with conducting a feasibility study including evaluating the cost of relocating Department of Public Works operations versus redeveloping the site. The study involved a number of points of comparison including the assessment of existing utilities, the installation of new utilities and structures, and the layout of assorted DPW operations.

Mr. Natarelli graduated and earned a Bachelor of Science in Civil Engineering from Rensselaer Polytechnic Institute in Troy, N.Y. He is the recipient of the 2012 Young Engineer of the Year honor awarded by the New York State Society of Professional Engineers, Westchester Putnam Chapter. He is a licensed Professional Engineer in New York.