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## Wee Wah Dam Rehabilitation

*Tuxedo Park, NY*

Wee Wah Dam is a 30-foot-high, 330-foot-long earth embankment dam retaining a recreational lake covering 60 acres. The primary and secondary spillway structures consist of earth-filled stone masonry.

Mueser Rutledge Consulting Engineers (MRCE) conducted a subsurface investigation, including borings, injection tests with colored dye, and installation of piezometers.

MRCE designed and prepared contract drawings and specifications for rehabilitating the dam. Rehabilitation measures include installation of an upstream cutoff blanket, capping and sealing of stone filter beds; grouting of spillway piping; and replacement of the secondary spillway floor.