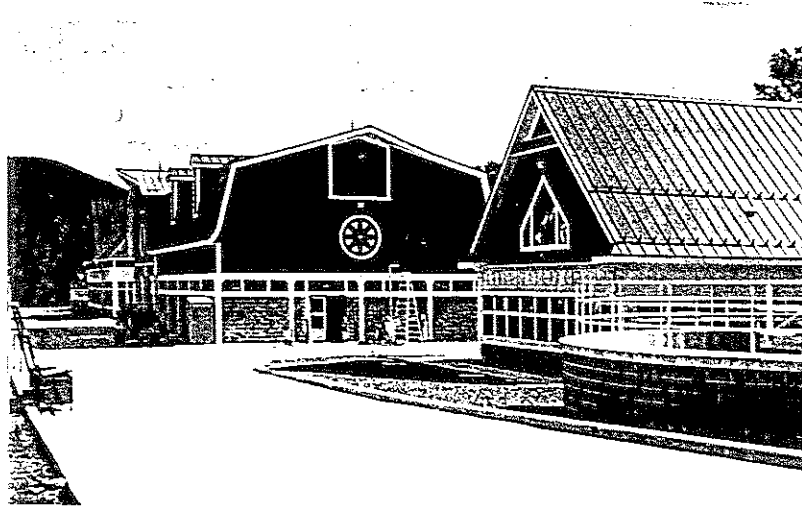


# AWARD OF MERIT

## Pine Hill Wastewater Treatment Facility Upgrade



*What the Jury Said: This project exemplifies effective use of precast concrete to blend a treatment plant into a neighborhood.*

As part of its Watershed Protection Program, the Department of Environmental Protection is undertaking a variety of measures designed to safeguard the quality of the drinking water that New York City gets from the Catskill watershed.

The replacement and upgrade of the Pine Hill Wastewater Treatment Plant to tertiary treatment status is an important step in the process. The plant, originally built in the 1920s, is operated by DEP.

In its new design, the Pine Hill plant consists of 14 buildings and structures housing wet stream facilities, solids handling facilities, and mechanical and administrative areas.

The project used over 7,000 cu. yds of cast-in-place

concrete, 16,000 sq. ft. of precast concrete plank, and 13,500 sq. ft. of architectural precast concrete ornamentation.

Designed with individual buildings for each of the major facilities, the project features Victorian-style architectural, the concept for which was developed in a close working relationship with the town.

The custom-designed ornamental precast concrete frieze, door and window trim, and medallions were cast in hand-made, single-use plaster molds using 8,000 psi high strength concrete. White cement and white aggregate were used, and the work was abrasive-blasted to expose the aggregate. ■

Owner  
New York City Deptment of  
Environmental Protection

Architect & Structural Engineer  
Malcolm Pirnie, Inc.

General Contractor  
M.A. Bongiovanni, Inc.

Construction Manager  
URS Greiner

Testing Laboratories  
Advance Testing Company, Inc.  
Soil and Material Testing, Inc.

Cement Manufacturer  
Blue Circle Cement, Inc.

Concrete Mix Supplier  
Wadler Bros., Inc.

Precast Subcontractors  
American Trim Stone, Inc.  
J.P. Carrara & Sons, Inc.

Precast Erector  
Sweet Associates, Inc.

Formwork Shoring Supplier  
Safway Steel Products, Inc.

Concrete Admixture Suppliers  
Sika Corporation  
St. Lawrence Cement Co. LLC  
W. R. Grace & Co.

Reinforcing Steel & Accessories  
Barker Steel Co., Inc.