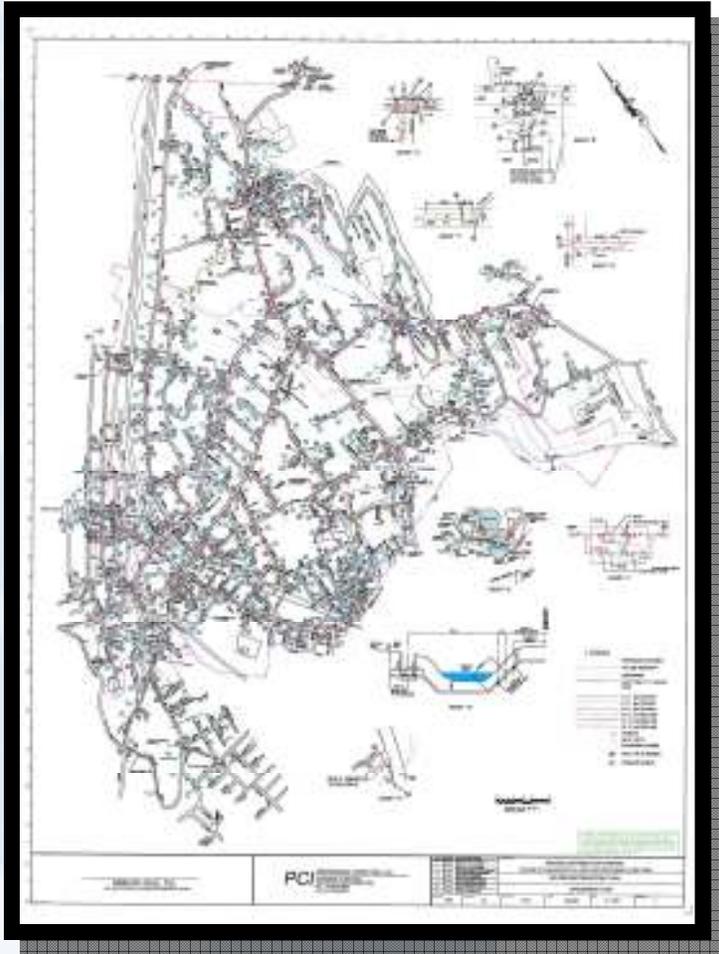


Village of Pleasantville – Water Distribution System Evaluation



Design Data

Owner

The Village of Pleasantville

Location

The Village of Pleasantville,
Westchester County, New
Jersey

Project Components

Evaluation of a 1.2 mgd
water distribution system

Laboratory analysis of
water mains

Creation of a phase pipe
restoration plan



Our experienced staff has prepared numerous water distribution system improvement studies. A comprehensive study was prepared for the Village of Pleasantville, New York, which encompassed an evaluation of the 1.2 mgd water distribution system. The system is comprised of water mains of varying sizes from 1.5" to 16" in diameter, two 1.0 MG storage water standpipes, booster and a main distribution pumping stations, NYC aqueduct and well water interconnections, etc. As part of the study, laboratory analysis of water mains were performed to determine the remaining useful life. Areas of inadequate flow and pressures were identified and the necessary system modifications were highlighted.

A phase pipe restoration plan, prioritizing the needed modifications, was prepared and implemented. As part of the modifications, several miles of water mains were cleaned and cement lined, undersized mains were replaced with lines of adequate size. Parallel water mains were abandoned and their services were transferred, new valves and hydrants were installed. The results have been improved system efficiency, reduced pipe failures, increased low service pressures, and elimination of red water complaints.

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